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July 14, 2009

Mr. Don Heller
U.S. Environmental Protection Agency, Region 5
Waste Management Division
77 West Jackson Blvd., HRP-8J
Chicago, IL 60604-3590

RE: Second Quarter 2009 Progress Report
RCRA Corrective Action
Allison Transmission, Speedway, IN
USEPA ID Nos. IND006413348 and IND000806828

Dear Mr. Heller:

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 (GM), please find the attached progress report for the second quarter of 2009 (April 1, 2009 through June 30, 2009).

It is noted that as a result of GM's bankruptcy, the current operating assets of GM were sold on July 10, 2009, to a newly formed company, which will be known as General Motors Company. Existing, non-continuing assets will remain the property of "old" GM, which will be known as Motors Liquidation Company (MLC), in its capacity as a debtor-in-possession in the bankruptcy case. The project team is currently waiting for the bankruptcy process to determine which entity will have responsibility for this project.

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

Sincerely,

Heather Justinus-Lyons for

David M. Favero, P.G.
Project Manager

Attachment A – Second Quarter 2009 Progress Report

C: Glynda Oakes, IDEM Office of Land Quality (CD)
Adam Rickert, Marion County Health Department (CD)
Marilyn Dedyne/Jean Caufield, GM/ENCORE (CD)
Kim Crame/Sue Barto, Allison Transmission, Inc. (CD)
Speedway Library (Public Information Repository (CD)

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ATTACHMENT A
SECOND QUARTER 2009 PROGRESS REPORT
PERFORMANCE-BASED RCRA CORRECTIVE ACTION
ALLISON TRANSMISSION
APRIL 1, 2009 TO JUNE 30, 2009

WORK PERFORMED THIS QUARTER

- Completed and submitted *Stage III Additional Sampling Matrix* to USEPA on June 19, 2009.

- Began operation of the LNAPL recovery system interim measure for the Waste Treatment Area (AOI 19).

- Completed and submitted the report on the installation and upgrade of the Plant 12 Former Degreaser Area SVE/Groundwater Recovery System interim measure to USEPA on April 15, 2009.

- Continued updating an evaluation of water use at and in the vicinity of the Facility.

- Met with a representative of the Marion County Health Department to discuss expanding the existing no-well zone #2 to cover the remainder of the Facility and some adjacent properties.

- Continued operation and maintenance of interim measures; the SVE/groundwater recovery system at the Plant 12 Former Degreaser Area (AOI 51), passive free product recovery and groundwater recovery related to the diesel fuel impacted groundwater plume (AOI 40), and passive free product recovery at the Transmission Test Assembly Area (AOI 53).

DATA AVAILABLE DURING THIS QUARTER

- Analytical results from monitoring air emissions from the Plant 12 former degreaser area SVE and air stripper exhaust stacks (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, First Half 2009).

- Analytical results from monitoring the 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 2009).

- Analytical results from groundwater monitoring, (included in the enclosed *RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report*, First Half 2009).

PROBLEMS ENCOUNTERED

- None.

SUMMARY OF PROBLEM RESOLUTION

- None.

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)	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 September 25, 2008.	100%
• Environmental Indicator Groundwater Migration – CA750 Determination (Due by March 31, 2008 and Submitted on March 28, 2008)	100%
• Sampling to Support Corrective Measures Proposal and Confirm RFI Results	100%
• Data Report for Additional Sampling	100%
• AOI 2-1 Interim Measures Work Plan (Approved by USEPA on November 6, 2008)	100%
• 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 (Submitted March 27, 2009)	100%
• Stage III Sampling Matrix	100%

(Submitted June 19, 2009)

- Stage III Additional Sampling Implementation 0%

- Data Report For Stage III Additional Sampling 0%

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

- 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 41%
  - Plant 12 PCE Groundwater Recovery System 5%
  - Plant 12 Transmission Test Assembly Area 65%
  - Diesel Fuel Plume Recovery System 54%
  - Waste Treatment LNAPL Recovery System 5%

SUMMARY OF CONTACTS WITH INTERESTED PARTIES

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

  - *First Quarter 2009 Progress Report, RCRA Corrective Action, Allison Transmission, Speedway, IN, USEPA ID Nos. IND000806836 and IND094469913*, April 14, 2009.
  - *Soil Vapor Extraction / Groundwater Recovery System Installation and Upgrade Report*, Former Degreaser Area, Plant 12, Allison Transmission, Inc., ARCADIS U.S., Inc., April 15, 2009.
  - *Stage III Additional Sampling Matrix*, RCRA Corrective Action, Allison Transmission, Inc., Speedway, IN, USEPA ID #IND006413348 and IND000806828, ARCADIS U.S., Inc., June 2009.

- Met with Marion County Health Department and Allison Transmission, Inc. on May 26, 2009 to discuss impacts of expanding the existing no-well zone #2 to cover the remainder of the Facility and some adjacent properties.

CHANGES IN PERSONNEL

- None.

PROJECTED WORK FOR NEXT REPORTING PERIOD

- Complete and submit an evaluation of water use at and in the vicinity of the Facility.
- Implement and complete field work portion of the *Stage III Additional Sampling Matrix*, 2009.
- Follow-up with Marion County Health Department and Allison Transmission, Inc. regarding expanding the existing no-well zone to cover the remainder of the Facility.
- Prepare responses, summaries of meetings, data reviews, or other conference calls with USEPA, as appropriate.
- Perform routine operation, monitoring and maintenance for operating remediation systems.

*****

Enclosure:

RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, ARCADIS, July 14, 2009.

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Environmental Corporate Remediation Company, Inc.

RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report - First Half 2009

Allison Transmission

Plants 3, 12, and 14: EPA ID IND006413348

Plant 2: EPA ID IND000806828

July 14, 2009

ARCADIS

Heather Gastineau-Lyons
Senior Project Geologist

Sarah E. Fisher, C.H.M.M.
Senior Project Scientist

Jason Cosgrove, P.E.
Senior Engineer

RCRA Corrective Action Interim Measures Semi-Annual Status and Groundwater Monitoring Report- First Half 2009

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

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July 14, 2009

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Executive Summary

On April 7, 2009, depth to groundwater was measured in 147 monitoring wells at the Site to obtain site-specific groundwater flow patterns in the S1, S2 and S3 sand and gravel units. Groundwater samples were collected from 53 monitoring wells between April 6, 2009 and April 10, 2009. The groundwater samples were analyzed for volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), arsenic, and lead. A light non-aqueous phase liquid (LNAPL) was observed in monitoring well MW-0636-S3 and was collected and analyzed for VOCs, SVOCs and polychlorinated biphenyls (PCBs). Additionally, a sample of the LNAPL from that well was collected and submitted to Zymax for C3-C44 finger print analysis.

An 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. Upon finalizing operation and maintenance (O&M) procedures, the system became operational on April 16, 2009. The recovered LNAPL is being recovered and stored in a tank with secondary containment prior to being shipped offsite for incineration in accordance with Toxic Substances Control Act (TSCA) regulations.

The Diesel Fuel Plume Groundwater Recovery System (AOI 40) has been in operation since 1973. This system was upgraded in 2001. Since the 2001 upgrade, approximately 21.05 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 5.13 million gallons of pre-treated groundwater have been discharged to the Town of Speedway's sanitary sewer system. From January 2009 through June 2009, the Diesel Fuel Plume Recovery System removed an estimated 1,429 pounds of total petroleum hydrocarbons (TPH) –Diesel Range Organics (DRO). Since the upgrade in 2001, the estimated cumulative total for TPH-DRO is 92,859 pounds, or 13,000 gallons (based on a specific gravity of 0.85).

As part of the O&M activities for the Diesel Fuel Plume Groundwater Recovery System, absorbent socks are placed in monitoring wells which exhibit LNAPL, and inspected on a frequency commensurate with their LNAPL accumulation rate. From January 2009 through June 2009, approximately 10.62 gallons of LNAPL have been recovered by the absorbent socks.

In January 2009, approximately 32.5 tons of soil was excavated in the vicinity of the remediation system to remove diesel-impacted soil from a previous release of water and diesel fuel. Six post-excavation soil samples were collected and analyzed for TPH – extended range organics (ERO). TPH-ERO was not detected in any of the soil samples.

The AOI 51 soil vapor extraction (SVE) system installed at Plant 12 for the removal of tetrachloroethene (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 2009, approximately 26,838 pounds (13.4 tons) of PCE have been removed in the vapor phase (from soil), which includes approximately 263 pounds in the first half of 2009. The dense non-aqueous phase liquid (DNAPL) recovery system was installed in October 2003; however, this portion of the system was operated on a limited capacity. In February 2005, the DNAPL recovery component of the system was 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. System operation was monitored as recovery wells were incrementally turned on in order to ensure that air and water discharge permit limits were not exceeded.

To date, an estimated 12.3 million gallons of total fluids with an estimated 693.4 pounds of PCE have been removed by groundwater recovery activities associated with AOI 51. Approximately 1,260 pounds of PCE have been recovered since the upgrade and restart of the system in November 2007, of which approximately 604 pounds were recovered between January 2009 and June 2009.

O&M activities associated with the Transmission Test Cell Area (AOI 53) were completed from January 2009 through June 2009. 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, three (3) monitoring wells have absorbent socks maintained because either measurable amounts of LNAPL or LNAPL globules have occasionally been observed. From January 2009 through June 2009, measurable product was observed in two monitoring wells, however due to low accumulation rates, no measureable LNAPL has been recovered by the absorbent socks at AOI 53.

1. Introduction

ARCADIS has prepared this semi-annual status report on behalf of Environmental Corporate Remediation Company, Inc. (ENCORE). This semi-annual status report summarizes the April 2009 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), and the AOI 51 soil vapor extraction (SVE) and Groundwater Recovery System 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 2009 through June 2009. Drawing 1 is a map of the Site. Drawing 2 depicts the specific location of the above-mentioned AOIs in addition to the monitoring wells located at the facility.

2. Groundwater Gauging

On April 7, 2009, depth to groundwater was measured in 147 monitoring wells at the Site to obtain site-specific groundwater flow patterns in the S1, S2 and S3 sand units. The gauging data are presented in Table 1 and were used to calculate groundwater elevations at each of the monitoring wells. The groundwater elevations for the S1 sand unit perched zones are presented in Drawing 3. The groundwater elevation contours in the S2 and S3 sand and gravel units are provided as Drawings 4 and 5, respectively.

Groundwater flow direction in the S2 sand and gravel unit beneath the Site is generally south towards Big Eagle Creek. During this gauging event, it appears that groundwater in the eastern portion of the Site is flowing towards Little Eagle Creek; however, Little Eagle Creek is identified in literature as a losing stream. The S2 sand unit is influenced in the area of the AOI 40 and AOI 51 by the groundwater recovery systems.

During the gauging event, the groundwater flow direction in the S3 sand and gravel unit beneath the Site is southwest as presented in Drawing 5 with a ridge divide that appears in the northern portion of Plant 14. The S3 sand unit is influenced in the area of AOI 51 by the groundwater recovery system.

During the gauging event, an LNAPL was encountered in monitoring well MW-0636-S3. The presence of an LNAPL in this monitoring well is suspected to be the result of surface infiltration. The monitoring well is screened in a confined unit from 45 ft to 55 ft below ground surface (bgs). Prior to the gauging event, a water line ruptured in this

area of the plant and there was standing water in the area for an unknown period of time, which may have allowed water containing LNAPL to enter the well. LNAPL and groundwater were pumped from the monitoring well during redevelopment. The monitoring well has been gauged several times since the redevelopment occurred and no measurable LNAPL has been identified.

3. Groundwater Sampling Event

Groundwater samples were collected from 53 monitoring wells between April 6, 2009 and April 10, 2009. Depth to groundwater was measured prior to purging the monitoring wells for sample collection. Groundwater sampling was performed utilizing a low-flow/low-stress technique. A stainless steel bladder pump equipped with a disposable polyethylene bladder was used to purge the monitoring wells prior to sampling. Approximately 300 gallons of water were purged from the 53 monitoring wells during the Spring sampling event. After field measurements stabilized, groundwater samples were collected in laboratory-supplied containers. The containers were immediately sealed, labeled and placed in an ice-packed cooler that was transported to Pace Analytical Services, Inc. (Pace), located in Indianapolis, Indiana, observing proper chain-of-custody procedures. The groundwater samples were analyzed for VOCs in accordance with USEPA SW-846 Method 8260; SVOCs in accordance with USEPA SW-846 Method 8270; and arsenic and lead in accordance with USEPA SW-846 Method 6010. The LNAPL identified in monitoring well MW-0636-S3 was collected and analyzed for VOCs, SVOCs and PCBs in accordance with USEPA SW-846 Method 8082. Additionally, a sample of the LNAPL was collected and submitted to Zymax for C3-C44 finger print analysis.

VOC and SVOC analytical results are summarized in Tables 2 and 3, respectively. The constituents identified on the table are the constituents of concern identified through the RCRA Facility Investigation process or related to the operation of the interim measures systems (i.e., tetrachloroethene (PCE) and its breakdown products). The organic analytical results for groundwater samples collected from April 2009 are provided on Drawings 6 through 10. The laboratory analytical results are provided in Appendix A.

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. An 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, Arochlor 1248 was detected at 14 mg/kg and during a subsequent re-sampling event completed on March 17, 2006, it was detected at 31 mg/kg.

Numerous soil and groundwater samples have been collected and sampled 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 is Drawing 11). Concentrations of PCBs were not detected in the soil samples above site-specific soil screening criteria, 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 has been delineated.

4.2 LNAPL Recovery System

The Waste Treatment LNAPL Recovery System consists of a specific gravity pneumatic skimmer pump installed in monitoring well MW-0413-S1. Upon finalizing the O&M procedures, system installation was completed on April 16, 2009. The recovered LNAPL is being stored in a tank with secondary containment prior to being shipped offsite for incineration in accordance with TSCA regulations. To date, it is estimated that less than 5 gallons have accumulated in the tank.

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 includes extracting groundwater from six wells (BW-5 through BW-10) installed along the creek. Groundwater is 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 on November 1, 2005 pursuant the Town of Speedway's Industrial Waste Discharge Permit Number 2003-1. The discharge goes through a pre-treatment system (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. Presently, groundwater recovered from the three wells located near Plant 3 is still transferred via an aboveground pipeline to the Allison waste treatment system. The containment boom in Big Eagle Creek is maintained as a precautionary measure to contain and capture any sheen that does enter the creek.

5.2 Monitoring

Water level measurements were collected monthly from monitoring wells that have historically demonstrated LNAPL accumulation rates requiring monthly absorbent sock change-out. The absorbent sock is removed from the monitoring well in advance of the water and LNAPL thickness measurements.

In January, February, March, April and June 2009, 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-0523-S2,

MW-0526-S2A, MW-0526-S2B, and MW-0625-S2A, MW-0622-S2A, and 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 12 shows the extent of observed LNAPL in the vicinity of AOI 26 and AOI 40. Drawing 13 presents the potentiometric surface maps for the recovery well system as measured in each of the above mentioned months of data collection.

As previously stated, effluent from recovery wells BW-5 through BW-10 is discharged to the Town of Speedway sanitary sewer system as permitted by Industrial Waste Discharge Permit Number 2007-3. ARCADIS personnel recorded flow data via the supervisory control and data acquisition (SCADA) system or Site visits for January through June 2009. Table 4 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 2007-3, 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. In January 2009, the field protocol for sample collection was modified such that the grab sample port is now purged of approximately 1L or more, prior to collecting the monthly TPH/O&G sample. Previous sampling events had periodically introduced solids into the compliance sample from residue in the sample valve and/or piping. Flushing the line with effluent appears to have improved the representativeness of the samples. 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 2007-3. Table 5 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

Extracted well water samples were collected on February 10, 2009 and June 16, 2009 from each of the recovery wells and analyzed for TPH-ERO. TPH laboratory analytical results ranged from 4.3 mg/l (BW-6) to 199 mg/l (BW-4) during the February 2009 sampling event and from 1.6 mg/l (BW-9) to 1,400 mg/l (BW-7) during the June 2009 event. Analytical results for the recovery wells can be found in Table 6. Laboratory analytical results for the February 10, 2009 and June 16, 2009 sampling events are included in Appendix A.

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. Based on readings from individual well flow meters, approximately 21.05 million gallons of groundwater has been recovered from the nine recovery wells. Approximately 15.92 million gallons of the recovered groundwater has been processed through the Allison wastewater treatment system, and 5.13 million gallons have been pre-treated and discharged to the Town of Speedway's sanitary sewer system. 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.

Table 7 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 7, the calculated mass of TPH-Diesel removed from the recovery wells (BW-4 through BW-12) from January 2009 through June 2009 ranges from zero pounds at BW-11 to 907.94 pounds at BW-7, with an estimated total mass of 1,429 pounds TPH-Diesel removed in the recent six month period. Since the system was upgraded in April 2001, the total estimated amount of TPH-Diesel removed from all recovery wells is estimated at 92,859 pounds. Cumulative TPH-Diesel discharged over time and for the Diesel Fuel Plume Recovery System is presented in Appendix B.

Groundwater levels north of Big Eagle Creek are influenced by pumping from the recovery wells, BW-5 through BW-10. Groundwater capture in the vicinity of the Diesel Fuel Groundwater Recovery System is being further evaluated and will be presented in a separate report.

5.4 Diesel Fuel Plume Groundwater Recovery System Operation & Maintenance

Monthly O&M activities were performed from January 2009 through June 2009. Maintenance of pumps and flow meters was performed as needed by qualified personnel. Upgraded pump controllers (installed in September 2008) are continuously adjusted to optimize hydraulic control.

Beginning in September 2002, absorbent socks were installed in monitoring wells associated with the diesel fuel plume groundwater recovery system. During monthly O&M activities for January 2009 through June 2009, the absorbent socks were replaced if saturated with LNAPL. Maintenance on wells with absorbent socks is conducted on a monthly, quarterly, or semi-annual frequency based on previous

observation of LNAPL recovery rates in each well. Table 8 presents data from select monitoring wells containing absorbent socks, and their approximate saturation at periodic intervals. The monitoring well absorbent socks contain approximately six to eight ounces of polymer each. Therefore, approximately 10.62 gallons of LNAPL have been removed between January 2009 through June 2009 using the absorbent socks, and a total of 124.11 gallons of LNAPL have been removed since absorbent socks were installed in September of 2002. Drawing 12 shows the extent of observed LNAPL in the vicinity of AOI 40

In January 2009, approximately 32.5 tons of soil was excavated in the vicinity of the remediation system to remove diesel impacted soil from a previous release of water and diesel fuel. Six post-excavation soil samples were collected and analyzed for TPH-ERO. TPH-ERO was not detected in any of the soil samples. A letter was provided to IDEM on February 5, 2009, responding to the Compliance Evaluation Inspection conducted by IDEM on December 11, 2008. The letter included documentation of the soil removal activities, manifests for excavated soil, post-excavation sampling, and analytical results.

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

6.1 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 soil vapor extraction system (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 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.

Groundwater treatment consists of receiving influent groundwater water from the source area recovery wells and processing the groundwater 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 combined influent is treated through bag filters (for solids removal) and an air stripper (for VOC removal). 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. Table 9 provides a summary of effluent water data collected from Outfall 004.

6.2 Monitoring

ARCADIS personnel recorded weekly flow data via the SCADA system (or Site visits) for January 2009 through June 2009. Table 10 lists the amount of water discharged (by month) to the Town of Speedway's sanitary sewer system.

During the first half of 2009, water level measurements were collected from monitoring wells within the vicinity of AOI 51. Water elevation data is summarized in Table 1. Drawings 14, 15 and 16 present the February 2009 potentiometric groundwater contours for the S2A, S2B and S3 sand units. The potentiometric groundwater contours for March 2009 and April 2009 will be presented in a subsequent report detailing the operational efficiency of the groundwater recovery system. The SVE and recovery well systems were operating during the gauging events and the resulting potentiometric surface maps display the influence the recovery wells have on groundwater in the vicinity of the system.

Groundwater samples were collected from the recovery wells associated with the Groundwater Recovery System on February 10, 2009 and June 16, 2009. The groundwater samples were analyzed for VOCs via USEPA Method 8260. The groundwater analytical results are presented in Table 11. The analytical results collected from RW-0501-S3 on February 10, 2009 appear to be anomalous, as the magnitude of the result was not replicated during the June 16, 2009 sampling event. Specifically, the February analytical results demonstrated significant results for PCE (<200 ppb), and had detections for TCE and cis-DCE. In previous sampling events, all

listed compounds were below detection limits, and again were shown to be below the same detection limits in June 2009.

Air samples from the SVE and air stripper emission stacks were formerly collected on a monthly basis. Since 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), ARCADIS recommended that ENCORE reduce the frequency of air stripper vapor sampling from monthly to quarterly. Due to the varying nature of the influent water VOC concentrations in the air stripper feed water, the data is highly variable and not helpful for performance monitoring purposes. By way of an example, if the DNAPL separator has just transferred water to the EQ tank, the air stripper emission stack concentration is relatively high compared with more typical operation. However, ARCADIS recommended ENCORE continue monthly vapor sampling of the SVE remediation system so that evaluation and adjustments can be made to the system, as needed. As a result of this recommendation, the air stripper was sampled in January and February for the first quarter of 2009, and in April for second quarter 2009. The SVE system has continued to be sampled on a monthly basis. 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 2009 through June 2009 are included in Appendix A.

6.3 AOI 51 SVE and Groundwater Recovery System Performance

The SVE System has been in operation since October 30, 2003. During this period, a total of approximately 26,838 pounds (13.42 tons) of PCE have been removed from the subsurface soil vapor (Table 12 summarizes constituents of concern removed to date). Cumulative PCE Discharged over time and monthly PCE discharged over time for the SVE System are presented in Appendix C.

The Groundwater Recovery System started operation on September 7, 2007. During the first half of 2009, an estimated 199 pounds (0.1 tons) of PCE have been removed from the groundwater via air stripping (Table 13 summarizes constituents of concern removed to date from the air stripper). Cumulative PCE discharged over time and monthly/quarterly PCE discharged over time for the Groundwater Recovery System are presented in Appendix C.

Groundwater levels in saturated portion of sand unit S2A, and units S2B and S3 are controlled in the vicinity of AOI 51 by the recovery wells screened in their respective saturated sand units. Groundwater control in the saturated portion of sand unit S2A is

demonstrated on Drawing 14 and is controlled by recovery wells RW-0201-S2A through RW-0205-S2A. Groundwater control in the saturated sand unit S2B is demonstrated on Drawing 15 and is controlled by recovery wells RW-0501-S2B, RW-0502-S2B, RW-0602-S2A/S2B, and RW-0604-S2B. The sand unit S3 is demonstrated on Drawing 16 and is controlled by recovery wells RW-0501-S3, RW-0602-S3, RW-0603-S3, RW-0604-S3, and RW-0605-S3.

To date, an estimated 12.3 million gallons of total fluids with an estimated 1,320 pounds of PCE have been removed by groundwater recovery activities. Approximately 1,260 pounds of PCE have been recovered since the upgrade and restart of the system in November 2007, of which approximately 627 pounds were recovered between January 2009 through June 2009 (605 pounds of PCE from the recovery wells and 22 pounds of PCE from the air stripper). Additionally, on March 16, 2009, one (1) drum of PCE sludge containing DNAPL and water was removed from the Site. After settling, the drum was gauged to determine the amount of DNAPL removed. It was estimated that 11 gallons (150 pounds) were removed via the DNAPL separator. Table 13 summarizes the mass removal of PCE from the air stripper, and Table 14 summarizes the mass removal of PCE in the liquid phase.

6.4 AOI 51 SVE and Groundwater Recovery System Operation & Maintenance

Monthly O&M activities were performed from January 2009 through June 2009. Maintenance of pumps and flow meters was performed as needed by ARCADIS personnel. Routine maintenance, including bag filter changes and air compressor maintenance, is scheduled for completion on a weekly basis. Air stripper cleaning 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 2009, ARCADIS has continued to utilize sequestering agent in the treatment train prior to air stripping. The addition of sequestering agent has reduced premature air stripper fouling. Upgrades to PLC and data logging capabilities are ongoing.

7. Transmission Test Assembly Area (AOI 53)

7.1 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 transmission fluid recycling vault. The transmission test assembly area was removed from service in

2006. A storm water drain, which traverses east to west beneath the northern half of the test cells area, connects the roof drains to the storm water sewer. 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 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 of transmission fluid have been identified in three of the seven monitoring wells (MW-0111-S2, MW-0203-S2A, and MW-0205-S2A). A measurable amount of LNAPL has occasionally been observed in wells MW-0111-S2, and MW-0205-S2A. The observed LNAPL thickness at these three locations has ranged from 0.01 to 0.25 feet since monitoring began. The wells were gauged during the April 2009 monitoring event and are presented on Drawing 4 and Table 1. LNAPL measurements collected at the Transmission Test Cells Area are tabulated on Table 1 and the extent of observed LNAPL is presented on Drawing 3.

7.2 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 2009, 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, three monitoring wells have absorbent socks maintained because either measurable amounts of LNAPL or LNAPL globules have been observed. The monitoring well socks used contain approximately six to eight ounces of absorbent polymer each. Therefore, an estimated total in excess of 20 gallons has been removed since absorbent socks were installed in February 2003.

Appendix A

Analytical Laboratory Reports
(Provided as a Compact Disc)

Appendix B

Cumulative TPH-Diesel Recovered

Appendix C

AOI 51 SVE and Groundwater
Recovery System PCE Discharge

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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 02-01								
	MW-0615-S2	4/7/2009	725.17	21.32	14.20	710.97	--	--
	MW-0640-S2	4/7/2009	724.48	22.55	13.72	710.76	--	--
	MW2-1-S2	4/7/2009	721.55	22.50	11.58	709.97	--	--
AOI 02-02								
	MW-0702-S2	4/7/2009	724.09	23.75	14.08	710.01	--	--
	MW2-2-S2	4/7/2009	723.74	24.28	13.65	710.09	--	--
AOI 02-03								
	MW2-3-S2	4/7/2009	724.32	24.54	14.15	710.17	--	--
AOI 02-04								
	MW-0616-S2	4/7/2009	725.03	22.20	15.07	709.96	--	--
	MW-0617-S2	4/7/2009	725.22	20.60	13.86	711.36	--	--
	MW-0642-S2	4/7/2009	722.93	19.60	12.86	710.07	--	--
	MW-0703-S2	4/7/2009	722.07	18.76	13.07	709.00	--	--
AOI 02-06								
	MW-0618-S2	4/7/2009	721.54	20.60	11.53	710.01	--	--
	MW-0619-S2	4/7/2009	724.75	20.36	13.93	710.82	--	--
	MW-0643-S2	4/7/2009	725.24	21.30	15.13	710.11	--	--
	MW-0644-S2	4/7/2009	725.37	21.04	15.19	710.18	--	--
	MW-0645-S2	4/7/2009	725.03	21.00	14.34	710.69	--	--
	MW-0647-S2	4/7/2009	725.56	24.80	19.07	706.49	--	--
	MW-0706-S2	4/7/2009	725.37	23.87	14.83	710.54	--	--
AOI 01								
	MW-0620-S1	4/7/2009	722.00	17.50	10.42	711.58	--	--
	MW-0621-S1	4/7/2009	715.11	8.71	03.57	711.54	--	--
	MW-0649-S1	4/7/2009	721.75	13.85	10.71	711.04	--	--
	PZ-01-0701-S2	4/7/2009	729.98	24.46	20.84	709.14	--	--
AOI 02								
	MW-0408-S2	5/19/2004	719.80	NM	17.50	702.30	--	--
		11/19/2004	719.80	NM	17.13	702.67	--	--
		6/30/2005	719.80	NM	17.21	702.59	--	--
		12/6/2005	719.80	NM	17.19	702.61	--	--
		2/28/2006	719.80	22.11	18.15	701.65	--	--
		4/11/2006	719.80	22.03	17.00	702.80	--	--
		2/2/2007	719.80	22.00	16.36	703.44	--	--
		1/18/2008	NM	NM	NM	NM	--	--
	MW-0601-S2A	4/7/2009	723.30	24.55	19.20	704.10	--	--
	MW-0601-S2B	4/7/2009	723.75	46.23	19.22	704.53	--	--
	MW-21-S2	5/23/2003	723.67	NM	19.14	704.53	--	--
	MW-22-S2	5/23/2003	717.47	NM	19.21	698.26	--	--
AOI 06								
	MW-0603-S1	4/7/2009	721.91	12.41	10.09	711.82	--	--
AOI 08								
	MW-0650-S1	4/7/2009	722.09	14.49	10.51	711.58	--	--
AOI 09								
	MW-0651-S2	4/7/2009	721.49	23.08	18.04	703.45	--	--
	MW-13-S2	12/17/2001	722.25	NM	12.59	709.66	--	--
	MW-23-S2	12/17/2001	717.87	NM	18.28	699.59	--	--
		3/20/2002	717.87	NM	19.20	698.67	--	--
		5/23/2003	717.87	NM	19.07	698.80	--	--
		11/19/2003	717.87	NM	18.81	699.06	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		5/19/2004	717.87	NM	18.66	699.21	--	--
		11/19/2004	717.87	26.42	18.27	699.60	--	--
		6/30/2005	717.87	26.42	18.63	699.24	--	--
		12/6/2005	717.87	26.42	18.66	699.21	--	--
		4/11/2006	717.87	24.24	18.88	698.99	--	--
		2/2/2007	717.87	24.26	18.56	699.31	--	--
		10/8/2007	717.87	24.21	20.13	697.74	--	--
		4/7/2009	717.87	24.21	18.02	699.85	--	--
AOI 13								
	MW-0652-S1	4/7/2009	722.10	17.42	16.00	706.10	--	--
AOI 14								
	MW-20-S1	5/17/2001	721.31	NM	14.38	706.93	--	--
		12/17/2001	721.31	NM	13.24	708.07	--	--
		3/13/2002	721.31	NM	14.30	707.01	--	--
		8/14/2002	721.31	NM	15.50	705.81	--	--
		5/23/2003	721.31	NM	14.25	707.06	--	--
		11/20/2003	721.31	NM	14.12	707.19	--	--
		5/19/2004	721.31	NM	14.14	707.17	--	--
		11/19/2004	721.31	20.22	14.02	707.29	--	--
		6/30/2005	721.31	20.22	13.94	707.37	--	--
		12/6/2005	721.31	20.45	14.41	706.90	--	--
		1/19/2006	721.31	20.34	14.25	707.06	--	--
		4/10/2006	721.31	20.25	14.03	707.28	--	--
		2/2/2007	721.31	20.29	14.05	707.26	--	--
		10/8/2007	721.31	20.56	14.39	706.92	--	--
		4/7/2009	721.31	20.25	14.10	707.21	--	--
		4/22/2009	721.31	NM	NM	NM	--	--
		5/22/2009	721.31	NM	NM	NM	--	--
AOI 15								
	MW-3-2-S1	12/17/2001	721.17	NM	11.92	709.25	--	--
		3/13/2002	721.17	NM	14.20	706.97	--	--
		8/14/2002	721.17	NM	14.59	706.58	--	--
		5/23/2003	721.17	NM	14.81	706.36	--	--
		11/19/2003	721.17	NM	14.53	706.64	--	--
		5/19/2004	721.17	17.12	14.00	707.17	--	--
		11/19/2004	721.17	16.91	14.19	706.98	--	--
		1/19/2006	721.17	17.03	14.23	706.94	--	--
		4/10/2006	721.17	16.98	14.30	706.87	--	--
		2/2/2007	721.17	16.98	14.21	706.96	--	--
		4/7/2009	721.17	NM	NM	NM	--	--
	MW-3-9-S2	12/17/2001	723.74	NM	25.15	698.59	--	--
		3/15/2002	723.74	NM	25.75	697.99	--	--
		5/23/2003	723.74	NM	19.15	704.59	--	--
		11/19/2003	723.74	NM	25.75	697.99	--	--
		5/19/2004	723.74	NM	24.84	698.90	--	--
		11/19/2004	723.74	37.35	24.45	699.29	--	--
		6/30/2005	723.74	37.35	25.47	698.27	--	--
		12/6/2005	723.74	37.35	25.51	698.23	--	--
		4/11/2006	723.74	37.31	25.52	698.22	--	--
		2/2/2007	723.74	37.21	24.42	699.32	--	--
		4/7/2009	723.74	37.27	25.82	697.92	--	--
AOI 16								
	MW-0626-S1	4/7/2009	721.08	18.02	15.41	705.67	--	--
AOI 19								
	MW-0204-T	3/14/2002	721.48	NM	19.90	701.58	--	--
		8/13/2002	721.48	NM	18.76	702.72	--	--
		5/23/2003	721.48	NM	17.87	703.61	--	--
		11/20/2003	721.48	NM	18.16	703.32	--	--
		5/19/2004	721.48	NM	18.24	703.24	--	--
		12/6/2005	721.48	34.85	18.25	703.23	--	--
		1/18/2006	721.48	34.80	18.73	702.75	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		4/10/2006	721.48	34.64	17.99	703.49	--	--
		2/2/2007	721.48	34.67	16.71	704.77	--	--
		1/18/2008	721.48	NM	18.25	NM	--	--
		4/7/2009	721.48	34.52	18.27	703.21	--	--
	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	NM	NM	12.51	NM	11.81	NM
		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
		3/30/2006	720.70	NM	NM	NM	NM	NM
		4/10/2006	721.94	15.32	12.51	709.43	--	NM
		4/28/2006	720.70	NM	NM	NM	NM	NM
		5/30/2006	720.70	NM	NM	NM	NM	NM
		6/26/2006	720.70	23.10	17.26	703.44	12.13	5.13
		2/2/2007	721.94	15.35	12.44	709.50	--	NM
		1/18/2008	721.94	NM	12.44	709.50	--	0.70
		4/3/2008	721.94	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	--	0.02
	MW-0506-S1	11/18/2005	721.35	26.21	21.57	699.78	--	--
		2/28/2006	721.35	24.69	17.27	704.08	--	--
		4/10/2006	NM	NM	19.95	NM	--	--
		2/7/2007	NM	NM	NM	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	NM	NM	--	--
		4/7/2009	721.94	15.35	12.24	709.70	--	Slight Sheen
	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	09.58	711.08	--	--
		10/8/2007	720.66	14.75	10.50	710.16	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	10.18	NM	--	--
		4/7/2009	720.66	14.36	10.72	709.94	--	--
	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	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	10.18	NM	--	--
		4/7/2009	721.21	25.15	16.97	704.24	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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-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	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	10.18	NM	--	--
		4/7/2009	721.33	29.64	12.46	708.87	--	--
	MW-11-S1	5/17/2001	721.06	NM	13.25	707.81	--	--
		12/17/2001	721.06	NM	13.06	708.00	--	--
		3/14/2002	721.06	NM	13.11	707.95	--	--
		8/13/2002	721.06	NM	13.24	707.82	--	--
		5/23/2003	721.06	NM	12.96	708.10	--	--
		11/19/2003	721.06	NM	13.01	708.05	--	--
		5/19/2004	721.06	NM	13.00	708.06	--	--
		11/19/2004	721.06	NM	12.61	708.45	--	--
		1/18/2006	721.06	16.90	13.43	707.63	--	--
		2/2/2007	721.06	16.84	11.99	709.07	--	--
		1/18/2008	721.06	NM	NM	NM	--	--
		5/20/2008	721.06	NM	12.39	NM	--	--
		4/7/2009	721.06	16.80	12.44	708.62	--	--
AOI 24								
	MW-9-S1	12/17/2001	722.16	NM	12.43	709.73	--	--
		12/6/2005	722.16	17.35	12.38	709.78	--	--
		4/10/2006	722.16	17.11	12.19	709.97	--	--
		4/7/2009	722.17	NM	NM	NM	--	--
AOI 26								
	IW-0201-S1	5/23/2003	722.02	NM	13.85	708.17	--	--
		11/19/2003	722.02	NM	14.73	707.29	--	--
		1/18/2008	NM	NM	12.71	NM	--	--
		4/7/2009	721.50	16.76	11.32	710.18	--	--
	IW-0202-S1	4/7/2009	721.62	16.76	11.70	709.92	--	--
	IW-0203-S1	4/7/2009	721.78	17.50	10.39	711.39	--	--
	MW-0103-S1	5/17/2001	722.04	14.85	12.25	709.79	--	--
		11/1/2001	722.04	14.82	12.20	709.84	--	--
		3/13/2002	722.04	NM	12.05	709.99	--	--
		5/24/2002	722.04	NM	12.07	709.97	--	--
		8/15/2002	722.04	NM	12.35	709.69	--	--
		5/22/2003	722.04	NM	12.19	709.85	--	--
		11/19/2003	722.04	NM	12.31	709.73	--	--
		5/18/2004	722.04	NM	12.34	709.70	--	--
		11/19/2004	722.04	14.72	11.74	710.30	--	--
		6/30/2005	722.04	14.72	12.13	709.91	--	--
		12/6/2005	722.04	14.72	12.24	709.80	--	--
		1/18/2006	722.04	14.65	12.01	710.03	--	--
		4/10/2006	722.04	14.56	12.03	710.01	--	--
		2/2/2007	722.04	14.61	12.27	709.77	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	15.13	NM	15.12	--
		4/7/2009	722.04	14.55	11.83	710.21	--	--
	MW-0113-S1	3/20/2002	721.92	NM	14.57	707.35	--	--
		8/14/2002	722.28	NM	14.86	707.42	--	--
	MW-0114-S1	3/20/2002	721.33	29.61	13.45	707.88	--	--
	MW-0115-S1	3/20/2002	722.37	NM	09.85	712.52	--	--
		5/22/2002	722.37	NM	12.68	709.69	--	--
		8/13/2002	722.37	NM	13.28	709.09	--	--
		5/22/2003	722.37	NM	11.93	710.44	--	--
		11/19/2003	722.37	NM	10.67	711.70	--	--
		5/19/2004	722.37	NM	09.70	712.67	--	--
		11/19/2004	722.37	16.82	10.59	711.78	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		12/6/2005	722.37	16.82	12.60	709.77	--	--
		1/18/2006	722.37	16.90	10.85	711.52	--	--
		4/10/2006	722.37	16.81	12.24	710.13	--	--
		1/18/2008	NM	NM	12.82	NM	--	--
		4/7/2009	722.37	NM	NM	NM	--	--
	MW-0211-S1	8/14/2002	721.62	NM	13.98	707.64	--	--
		5/23/2003	721.62	NM	13.44	708.18	--	--
		11/19/2003	721.62	NM	14.63	706.99	--	--
		11/19/2004	721.62	16.80	11.61	710.01	--	--
		6/30/2005	721.62	16.80	13.69	707.93	--	--
		4/10/2006	721.62	16.70	13.01	708.61	--	--
		1/18/2008	NM	NM	11.48	NM	--	--
		4/7/2009	721.62	16.87	09.69	711.93	--	--
	MW-0212-S1	8/14/2002	721.64	NM	13.98	707.66	--	--
		5/23/2003	721.64	NM	13.11	708.53	--	--
		11/20/2003	721.64	NM	12.63	709.01	--	--
		5/19/2004	721.64	NM	09.85	711.79	--	--
		6/30/2005	721.64	NM	13.46	708.18	--	--
		1/18/2008	721.64	16.67	10.20	711.44	--	--
		4/7/2009	721.64	16.73	09.71	711.93	--	--
	MW-0411-S2	5/19/2004	722.13	NM	19.91	702.22	--	--
		6/24/2004	722.13	28.40	19.83	702.30	--	--
		11/19/2004	722.13	28.00	21.08	701.05	21.06	0.02
		1/31/2005	722.13	28.40	22.41	699.72	22.39	0.02
		2/24/2005	722.13	28.40	19.02	703.11	--	Sheen
		3/29/2005	722.13	28.40	20.91	701.22	--	Sheen
		4/28/2005	722.13	28.40	18.73	703.40	--	Sheen
		5/31/2005	722.13	28.40	21.14	700.99	21.09	0.05
		6/29/2005	722.13	27.43	22.86	699.27	--	Sheen
		7/29/2005	722.13	27.69	20.55	701.58	--	Sheen
		8/31/2005	722.13	27.69	20.83	701.30	--	Sheen
		9/30/2005	722.13	28.40	21.06	701.07	--	Sheen
		10/31/2005	722.13	28.40	20.68	701.45	--	Sheen
		11/29/2005	722.13	28.40	19.93	702.20	--	Sheen
		12/22/2005	722.13	28.40	21.78	700.35	--	Sheen
		1/31/2006	722.13	28.40	20.64	701.49	--	Sheen
		2/28/2006	722.13	28.40	20.20	701.93	--	Sheen
		3/30/2006	722.13	28.40	19.53	702.60	19.52	0.01
		4/10/2006	722.13	28.40	19.57	702.56	--	Sheen
		4/28/2006	722.13	28.40	19.49	702.64	--	Sheen
		5/30/2006	722.13	28.40	19.70	702.43	19.69	0.01
		6/26/2006	722.13	28.40	19.72	702.41	--	Sheen
		8/16/2006	722.13	NA	NA	NA	NA	NA
		8/29/2006	722.13	27.65	21.30	700.83	--	Sheen
		9/26/2006	722.13	27.65	21.27	700.86	21.26	0.01
		10/18/2006	722.13	27.65	21.45	700.68	--	--
		11/23/2006	722.13	27.65	20.32	701.81	--	--
		12/18/2006	722.13	27.65	20.17	701.96	--	--
		1/16/2007	722.13	27.65	18.42	703.71	--	--
		2/22/2007	722.13	27.65	18.31	703.82	--	Sheen
		3/20/2007	722.13	27.65	19.15	702.98	--	--
		4/24/2007	722.13	27.65	19.52	702.61	--	--
		5/17/2007	722.13	27.65	19.58	702.55	--	--
		6/26/2007	722.13	NA	NA	NA	NA	NA
		7/24/2007	722.13	23.14	17.00	705.13	--	--
		8/20/2007	722.13	NA	NA	NA	NA	NA
		10/22/2007	722.13	NA	NA	NA	NA	NA
		11/15/2007	722.13	23.10	17.00	705.13	16.25	0.75
		1/18/2008	NM	NM	NM	NM	Abandoned	Abandoned
	MW-0628-S2B	4/7/2009	721.66	47.55	15.02	706.64	--	--
	MW-0629-S3	2/7/2007	NM	NM	NM	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)
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	19.95	NM	--	--
		3/27/2009	721.31	73.88	27.18	694.13	--	--
		4/7/2009	721.31	73.82	25.11	696.2	--	--
	MW-0630-S3	3/27/2009	719.47	56.38	16.77	NM	--	--
		4/7/2009	719.47	56.35	16.58	702.89	--	--
	MW-0630-S4	4/6/2009	719.47	100.00	17.31	702.16	--	--
	RW-0101-S1	3/20/2002	722.31	NM	15.38	706.93	--	--
		8/14/2002	722.31	NM	15.17	707.14	--	--
		5/23/2003	722.31	NM	15.08	707.23	--	--
		11/20/2003	722.31	NM	15.26	707.05	--	--
		11/19/2004	722.31	18.81	15.04	707.27	--	--
		1/18/2008	NM	NM	15.22	NM	--	--
AOI 26/29								
	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	--	--
AOI 27								
	MW-0631-S1	12/10/2008	NM	NM	14.45	NM	--	--
		4/7/2009	NM	19.22	14.32	NM	--	--
AOI 30								
	MW-0609-S2	2/7/2007	NM	NM	NM	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/20/2008	NM	NM	19.95	NM	--	--
		4/7/2009	722.06	36.75	20.98	701.08	--	--
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
		8/16/2006	722.17	NA	NA	NA	NA	NA
		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	722.17	--	1.17
		2/8/2008	722.17	NM	NM	722.17	--	0.79
		3/10/2008	722.17	NM	NM	722.17	--	0.91
		4/7/2008	722.17	NM	NM	722.17	--	0.61
		5/20/2008	722.17	NM	NM	722.17	--	2.80
		6/26/2008	722.17	NM	NM	722.17	--	0.45

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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)
		7/31/2008	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
		9/25/2008	722.17	NM	NM	NM	NM	NM
		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	NM	NM	18.01	NM	17.65	0.36
		3/24/2009	NM	NM	18.05	NM	17.56	0.49
		4/7/2009	722.17	28.85	18.71	705.11	16.77	1.94
	MW-0632-S2	1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	23.18	NM	--	--
		4/7/2009	720.66	29.22	22.10	698.56	--	--
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	--	--
		8/16/2006	721.85	NA	NA	NA	NA	NA
		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	721.85	--	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	--	--
	MW-0412-S2	5/18/2004	721.85	NM	19.20	702.65	--	--

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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)
		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	Dry	Dry	Dry	Dry
		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
		8/16/2006	721.85	NA	NA	NA	NA	NA
		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
		11/23/2006	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	NM	NM	22.78	NM	22.56	0.22
		3/24/2009	NM	NM	22.84	NM	22.76	0.08
		4/7/2009	721.85	28.71	20.63	701.45	20.36	0.27
	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
		8/16/2006	722.09	NA	NA	NA	NA	NA
		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
		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	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		6/26/2007	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	722.09	--	0.01
		2/8/2008	722.09	NM	NM	722.09	--	0.03
		3/10/2008	722.09	NM	NM	722.09	--	0.02
		4/7/2008	722.09	NM	NM	722.09	--	0.02
		5/20/2008	722.09	NM	NM	722.09	--	--
		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
		9/25/2008	722.09	NM	NM	NM	NM	NM
		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	NM	NM	16.03	NM	15.91	0.12
		3/24/2009	NM	NM	16.01	NM	15.89	0.12
		4/7/2009	722.09	23.20	14.93	707.16	--	--
	MW-0709-S2	1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	22.33	NM	--	--
		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	--	--
	MW-0803-S3	4/7/2009	720.11	NM	NM	NM	--	--
AOI 33								
	MW-0633-S2	4/7/2009	721.79	22.81	19.52	702.27	--	--
	MW-0634-S2B	4/7/2009	719.66	36.31	12.75	706.91	--	--
AOI 40								
	BW-10	5/16/2001	721.23	NM	30.65	690.58	--	--
		8/17/2001	721.23	37.30	Dry	Dry	Dry	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	--	--

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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)
		12/7/2004	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
		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	NM	--	--	--
		12/13/2007	721.23	36.00	33.81	687.42	--	--
		1/18/2008	721.23	NM	NM	NM	--	--
		5/19/2008	721.23	NM	29.90	691.33	--	--
		9/25/2008	721.23	NM	30.20	NM	--	Sheen
		12/10/2008	721.23	NM	27.67	693.56	--	--
		1/26/2009	NM	38.00	27.91	693.33	27.90	0.01
		2/24/2009	NM	38.00	29.35	691.99	29.22	0.13
		3/17/2009	NM	38.00	27.81	693.42	--	--
		4/7/2009	721.23	38.00	29.70	691.53	--	--
		6/15/2009	NM	36.38	27.11	694.12	--	--
	BW-11	12/10/2008	NM	NM	22.91	NM	22.89	0.02
	BW-12	12/10/2008	NM	NM	25.31	NM	23.12	2.19
	BW-4	6/24/2004	NM	43.10	24.85	NM	24.80	0.05
		1/18/2008	NM	NM	21.80	NM	21.76	0.04
		12/10/2008	NM	NM	22.49	NM	22.48	0.01
	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	--	--

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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)
		4/22/2003	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	--	--
		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	NM	NM	722.02	--	0.04
		5/19/2008	722.02	NM	28.65	693.37	28.61	--
		9/25/2008	722.02	NM	31.13	690.89	--	Sheen
		12/10/2008	722.02	NM	27.92	694.10	--	--
		1/26/2009	NM	35.00	33.32	688.7	--	--
		2/24/2009	NM	35.00	34.37	687.65	--	--
		3/17/2009	NM	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	NM	34.50	29.31	692.80	29.20	0.11
	BW-6	5/16/2001	721.71	NM	27.26	694.45	--	--
		8/17/2001	721.71	36.50	Dry	Dry	Dry	Dry
		12/17/2001	721.71	NM	29.65	692.06	29.64	0.01
		3/14/2002	721.71	NM	30.35	691.36	--	--

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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)
		4/16/2002	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	--	--
		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	NM	--	--	--
		12/13/2007	721.71	35.70	29.44	692.27	--	--
		1/18/2008	721.71	NM	NM	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		5/19/2008	721.71	NM	27.55	694.16	--	--
		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	NM	37.00	33.73	687.98	--	--
		2/24/2009	NM	37.00	29.78	691.96	29.76	0.02
		3/17/2009	NM	37.00	27.28	694.43	--	--
		4/7/2009	721.71	37.00	32.80	688.91	--	--
		6/15/2009	NM	35.64	29.82	691.89	29.82	0.00
	BW-7	5/16/2001	722.34	NM	33.40	688.94	--	--
		8/17/2001	722.34	37.10	Dry	Dry	Dry	Dry
		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

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		10/18/2006	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	--	--	--
		12/13/2007	722.34	36.40	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	NM	40.00	30.02	692.46	29.85	0.17
		2/24/2009	NM	40.00	30.08	693.07	29.10	0.98
		3/17/2009	NM	40.00	29.97	692.37	--	--
		4/7/2009	722.34	40.00	33.05	690.01	32.18	0.87
		6/15/2009	NM	35.91	30.71	691.64	30.70	0.01
	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	--	--

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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)
		11/29/2005	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	--	--
		5/17/2007	721.38	31.22	29.64	691.74	--	--
		6/26/2007	721.38	31.22	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	NM	37.00	33.07	688.38	32.99	0.08
		2/24/2009	NM	37.00	29.90	692.29	28.92	0.98
		3/17/2009	NM	37.00	32.94	688.44	--	--
		4/7/2009	721.38	37.00	29.65	691.81	29.55	0.10
		6/15/2009	NM	35.09	31.68	691.17	29.90	1.78
	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	--	--

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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)
		12/7/2004	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	--	--
		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	--	--	--
		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	NM	35.00	32.43	687.93	--	--
		2/24/2009	NM	35.00	32.45	687.91	--	--
		3/17/2009	NM	35.00	28.56	691.8	--	--
		4/7/2009	720.36	35.00	29.27	691.09	--	--
		6/15/2009	NM	35.45	32.23	688.13	--	--
	Eagle Creek (Lynhurst bridge)	4/7/2009	733.52	NM	NM	733.52	--	--
	Eagle Creek Surface Elevation	1/26/2009	NM	NA	30.15	693.15	--	--
		2/24/2009	NM	NA	30.47	692.83	--	--
		3/17/2009	NM	NA	30.48	692.82	--	--
		4/7/2009	NM	NA	30.05	693.25	--	--
		6/15/2009	NM	NM	30.11	693.19	--	--
	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
		8/15/2002	719.04	NM	NM	NM	NM	NM
		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

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		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
		12/22/2005	719.04	NM	NM	NM	NM	NM
		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
		8/16/2006	719.04	NA	NA	NA	NA	NA
		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	NM	NM	NM	--	--
		5/20/2008	719.04	NM	26.56	692.48	--	--
		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	--	--
	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	--	--
		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

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		12/6/2005	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	NM	NM	NM	--	0.02
		2/7/2008	721.49	NM	NM	NM	--	0.16
		3/10/2008	721.49	NM	NM	NM	--	0.06
		4/7/2008	721.49	NM	NM	NM	--	0.04
		5/20/2008	721.49	NM	NM	NM	--	--
		6/26/2008	721.49	26.65	23.31	698.18	23.29	--
		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
		9/25/2008	721.49	NM	NM	NM	NM	NM
		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	NM	NM	24.78	NM	24.44	0.34
		3/24/2009	NM	NM	24.87	NM	24.54	0.33
		4/7/2009	721.49	NM	NM	NM	NM	NM
	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	--	--

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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)
		12/22/2005	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	--	--
		1/18/2008	721.75	NM	NM	NM	--	--
		5/19/2008	721.75	NM	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	--	--
	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	<0.01
		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	--	--
		1/18/2008	719.98	NM	NM	NM	--	--
		5/20/2008	719.98	NM	22.24	697.74	--	--
		12/10/2008	719.98	NM	23.61	696.37	--	--
		4/7/2009	719.98	27.31	22.01	697.97	--	--
	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	<0.01
		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	--	--

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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)
		6/26/2006	722.02	30.22	26.24	695.78	--	--
		2/2/2007	722.02	30.24	25.21	696.81	--	--
		1/18/2008	722.02	NM	NM	NM	--	--
		5/19/2008	722.02	NM	22.24	699.78	--	--
		12/10/2008	722.02	NM	27.46	694.56	--	--
		4/7/2009	722.02	30.21	24.64	697.38	--	--
	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	--	--
		1/18/2008	719.55	NM	NM	NM	--	--
		5/19/2008	719.55	NM	22.24	697.31	--	--
		12/10/2008	719.55	NM	24.74	694.81	--	--
		4/7/2009	720.74	27.65	23.16	697.58	--	--
	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	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		4/7/2009	719.95	43.06	23.20	696.75	--	--
	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	--	--
		1/18/2008	721.87	NM	NM	NM	--	--
		5/19/2008	721.87	NM	22.24	699.63	--	--
		9/25/2008	721.87	NM	29.21	692.66	--	--
		12/10/2008	721.87	NM	29.54	692.33	--	--
		1/26/2009	NM	36.69	28.80	693.07	--	--
		2/24/2009	NM	36.69	28.70	693.17	--	--
		3/17/2009	NM	36.69	28.85	693.02	--	--
		4/7/2009	721.87	36.69	26.84	695.03	--	--
		6/15/2009	NM	36.71	28.17	693.7	--	--
	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	--	--
		1/18/2008	720.09	NM	NM	NM	--	--
		5/19/2008	720.09	NM	22.24	697.85	--	--
		12/10/2008	720.09	NM	24.49	695.60	--	--
		4/7/2009	720.09	26.25	22.83	697.26	--	--
	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	--	--
		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	--	--
		1/18/2008	720.02	NM	NM	NM	--	--
		5/19/2008	720.02	NM	22.24	697.78	--	--
		4/7/2009	720.02	41.85	22.85	697.17	--	--
	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	--	--
		1/18/2008	719.95	NM	NM	719.95	--	--
		5/19/2008	719.95	NM	22.24	697.71	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		12/10/2008	719.95	NM	23.64	696.31	--	--
		4/7/2009	719.95	26.75	21.97	697.98	--	--
	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	NM	NM	720.11	--	1.23
		5/19/2008	720.11	NM	22.24	697.87	--	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	NM	30.42	25.50	695.34	24.60	0.90
		2/24/2009	NM	30.42	23.86	696.30	23.79	0.07
		3/17/2009	NM	30.42	24.60	695.86	24.16	0.44
		3/24/2009	NM	NM	26.54	NM	25.78	0.76
		4/7/2009	720.10	30.42	24.00	696.10	--	Globules
		6/15/2009	NM	30.81	22.72	697.56	22.46	0.26
	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	NM	41.90	25.28	695.46	--	--
		2/24/2009	NM	41.90	24.45	696.29	--	--
		3/17/2009	NM	41.90	24.82	695.92	--	--
		4/7/2009	720.74	41.90	24.45	696.29	--	--
		6/15/2009	NM	42.08	23.12	697.62	--	--
	MW-0622-S2A	5/16/2006	NM	26.40	23.25	NM	--	--
		6/26/2006	NM	26.40	23.62	NM	--	--
		8/16/2006	NM	26.48	24.79	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		8/29/2006	NM	26.50	24.90	NM	--	--
		9/26/2006	NM	26.50	24.61	NM	--	--
		10/18/2006	NM	26.50	24.68	NM	--	--
		11/23/2006	NM	26.50	23.91	NM	--	--
		12/18/2006	NM	26.50	23.48	NM	--	--
		1/16/2007	NM	26.50	21.82	NM	--	--
		2/2/2007	NM	26.20	22.59	NM	--	--
		2/22/2007	NM	26.20	21.44	NM	--	--
		3/20/2007	NM	26.20	22.87	NM	--	--
		4/24/2007	NM	26.20	22.64	NM	--	--
		5/17/2007	NM	26.20	23.03	NM	--	--
		6/26/2007	NM	26.20	25.75	NM	25.17	0.58
		10/8/2007	NM	26.61	26.05	NM	25.47	0.58
		12/13/2007	NM	26.48	25.60	NM	25.44	0.16
		1/18/2008	NM	NM	NM	NM	--	0.30
		5/19/2008	NM	NM	22.24	NM	--	NM
		7/31/2008	NM	26.45	23.32	NM	22.45	0.87
		8/27/2008	NM	26.45	24.34	NM	24.34	Sheen
		9/25/2008	NM	NM	25.35	NM	25.05	0.30
		10/29/2008	NM	26.53	26.15	NM	25.51	0.64
		11/24/2008	NM	NM	26.13	NM	25.63	0.50
		12/10/2008	NM	NM	26.15	NM	25.51	0.64
		1/26/2009	NM	26.45	24.98	695.43	24.80	0.18
		2/24/2009	NM	26.45	23.93	696.35	23.91	0.02
		3/17/2009	NM	26.45	24.31	695.95	--	--
		3/24/2009	NM	NM	25.98	NM	25.64	0.34
		4/7/2009	720.26	26.45	24.11	696.15	--	--
		6/15/2009	NM	26.54	22.58	697.68	--	--
	MW-0623-S2A	5/16/2006	NM	28.80	22.42	NM	--	--
		6/26/2006	NM	28.80	22.79	NM	--	--
		8/16/2006	NM	28.91	23.90	NM	--	--
		8/29/2006	NM	28.91	23.96	NM	--	--
		9/26/2006	NM	28.91	23.61	NM	--	--
		10/18/2006	NM	28.91	23.66	NM	--	--
		11/23/2006	NM	NA	NA	NA	NA	NA
		12/18/2006	NM	28.91	22.64	NM	--	--
		1/16/2007	NM	28.91	20.88	NM	--	--
		2/2/2007	NM	28.63	20.87	NM	--	--
		2/22/2007	NM	28.63	20.64	NM	--	--
		3/20/2007	NM	28.63	21.16	NM	--	--
		4/24/2007	NM	28.63	21.24	NM	--	--
		5/17/2007	NM	28.63	22.11	NM	--	--
		6/26/2007	NM	28.63	24.31	NM	--	--
		10/8/2007	NM	28.85	25.41	NM	--	--
		12/13/2007	NM	28.83	24.60	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		9/25/2008	NM	NM	24.22	NM	--	--
		12/10/2008	NM	NM	24.75	NM	--	--
		1/26/2009	NM	28.51	23.98	695.08	--	--
		2/24/2009	NM	28.51	23.10	695.96	--	--
		3/17/2009	NM	28.51	23.46	695.6	--	--
		4/7/2009	719.06	28.51	23.08	695.98	--	--
		6/15/2009	NM	NM	NM	NM	--	--
	MW-0624-S2B	5/16/2006	NM	23.71	38.41	NM	--	--
		6/26/2006	NM	38.41	24.08	NM	--	--
		8/16/2006	NM	38.59	25.16	NM	--	--
		8/29/2006	NM	38.70	25.27	NM	--	--
		9/26/2006	NM	38.70	25.16	NM	--	--
		10/18/2006	NM	38.70	25.02	NM	--	--
		11/23/2006	NM	38.70	24.32	NM	--	--
		12/18/2006	NM	38.70	23.98	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		1/16/2007	NM	38.70	22.11	NM	--	--
		2/2/2007	NM	38.50	22.06	NM	--	--
		2/22/2007	NM	38.50	21.91	NM	--	--
		3/20/2007	NM	38.50	22.65	NM	--	--
		4/24/2007	NM	38.50	22.89	NM	--	--
		5/17/2007	NM	38.50	23.58	NM	--	--
		12/13/2007	NM	38.50	25.90	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		9/25/2008	NM	NM	25.49	NM	--	--
		12/10/2008	NM	NM	26.16	NM	--	--
		1/26/2009	NM	38.35	25.38	696.34	--	--
		2/24/2009	NM	38.35	24.43	697.29	--	--
		3/17/2009	NM	38.35	24.78	696.94	--	--
		4/7/2009	721.72	38.35	24.51	697.21	--	--
		6/15/2009	NM	38.72	22.85	698.87	--	--
	MW-0625-S2A	5/16/2006	NM	31.67	24.53	NM	--	--
		6/26/2006	NM	31.67	24.90	NM	--	--
		8/16/2006	NM	31.81	25.97	NM	--	--
		8/29/2006	NM	31.79	25.91	NM	--	--
		9/26/2006	NM	31.79	25.53	NM	--	--
		10/18/2006	NM	31.79	25.46	NM	--	--
		11/23/2006	NM	31.79	25.04	NM	--	--
		12/18/2006	NM	31.79	24.67	NM	--	--
		1/16/2007	NM	31.79	22.66	NM	--	--
		2/2/2007	NM	31.55	23.10	NM	--	--
		2/22/2007	NM	31.55	22.06	NM	--	--
		3/20/2007	NM	31.55	22.91	NM	--	--
		4/24/2007	NM	31.55	22.75	NM	--	--
		5/17/2007	NM	31.55	23.47	NM	--	--
		6/26/2007	NM	31.55	26.38	NM	--	--
		12/13/2007	NM	37.76	26.46	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	22.24	NM	--	--
		9/25/2008	NM	NM	26.22	NM	--	--
		12/10/2008	NM	NM	26.72	NM	--	--
		1/26/2009	NM	31.50	25.89	694.06	--	--
		2/24/2009	NM	31.50	25.17	694.78	--	--
		3/17/2009	NM	31.50	25.53	694.42	--	--
		4/7/2009	719.95	31.50	24.99	694.96	--	--
		6/15/2009	NM	31.70	24.76	695.19	--	--
	MW-0814-S2	12/10/2008	NM	NM	29.01	NM	--	--
		1/26/2009	NM	30.95	28.03	694.34	--	--
		2/24/2009	NM	30.95	26.97	695.40	--	--
		3/17/2009	NM	30.95	27.83	694.54	--	--
		4/7/2009	722.37	30.95	26.70	695.67	--	--
		6/15/2009	NM	31.28	26.81	695.56	--	--
	MW-0815-S2	12/10/2008	NM	NM	29.06	NM	--	--
		1/26/2009	NM	31.26	28.28	693.95	--	--
		2/24/2009	NM	31.26	27.38	694.85	--	--
		3/17/2009	NM	31.26	28.09	694.14	--	--
		4/7/2009	722.23	31.26	26.62	695.61	--	--
		6/15/2009	NM	31.68	26.89	695.34	--	--
	MW-0816-S2	12/10/2008	NM	NM	29.06	NM	--	--
		1/26/2009	NM	35.90	28.30	693.81	--	--
		2/24/2009	NM	35.90	28.08	694.03	--	--
		3/17/2009	NM	35.90	28.30	693.81	--	--
		4/7/2009	722.11	35.90	26.60	695.51	--	--
		6/15/2009	NM	36.33	26.81	695.30	--	--
	MW-16-S2	5/17/2001	720.56	24.50	22.31	698.25	--	--
		3/15/2002	720.56	NM	21.60	698.96	--	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)
		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	--	--
	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	--	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	--	--
	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	Dry	Dry	Dry	Dry
		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	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		3/29/2005	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	722.34	--	0.10
		5/19/2008	722.34	NM	28.74	693.60	28.64	--
		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
		12/10/2008	722.34	NM	29.21	693.13	28.82	0.39
		1/26/2009	NM	31.23	29.10	693.31	29.01	0.09
		2/24/2009	NM	31.23	27.21	695.13	--	--
		3/17/2009	NM	31.23	27.81	694.53	--	--
		3/24/2009	NM	NM	28.86	NM	28.74	0.12
		4/7/2009	722.34	31.23	27.46	694.88	--	Globules
		6/15/2009	NM	31.56	26.71	695.63	--	--
	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	--	--
		1/21/2003	721.25	NM	NM	NM	NM	NM
		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	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		1/21/2004	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	--	--
		1/18/2008	721.25	NM	NM	NM	--	--
		5/19/2008	721.25	NM	26.91	NM	--	--
		9/25/2008	721.25	NM	27.91	NM	27.85	0.06
		12/10/2008	721.25	NM	28.00	NM	--	--
		1/26/2009	NM	33.29	28.20	693.05	--	--
		2/24/2009	NM	33.29	26.84	694.41	--	--
		3/17/2009	NM	33.29	27.25	694	--	--
		4/7/2009	721.25	33.29	26.03	695.22	--	--
		6/15/2009	NM	33.41	26.01	695.24	--	--
	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	--	--
		12/22/2005	721.10	NM	NM	NM	NM	NM
		3/30/2006	721.10	NM	NM	NM	NM	NM
		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	--	--
		1/18/2008	721.10	NM	NM	NM	--	--
		5/19/2008	721.10	NM	25.28	NM	--	--
		12/10/2008	721.10	NM	26.83	NM	26.79	0.04
		1/26/2009	NM	31.80	25.80	695.3	--	--
		2/24/2009	NM	31.80	24.54	696.56	--	--
		3/17/2009	NM	31.80	25.27	695.83	--	--
		4/7/2009	721.10	31.80	24.86	696.24	--	--
		6/15/2009	NM	32.05	23.75	697.35	--	--
	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

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		5/24/2002	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	--	--
		1/18/2008	722.45	NM	NM	NM	--	--
		5/19/2008	722.45	NM	27.69	694.76	--	--
		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	NM	31.58	28.08	694.49	27.94	0.14
		2/24/2009	NM	31.58	26.88	695.60	26.84	0.04
		3/17/2009	NM	31.58	27.68	694.77	--	--
		4/7/2009	722.45	31.58	27.27	695.18	--	--
		6/15/2009	NM	31.48	27.10	695.35	--	--
	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

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		3/14/2002	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	NM	NM	720.77	--	Sheen
		2/8/2008	720.77	NM	NM	720.77	--	0.66
		3/10/2008	720.77	NM	NM	720.77	--	0.51
		4/7/2008	720.77	NM	NM	720.77	--	Sheen
		5/19/2008	720.77	NM	NM	720.77	--	0.14
		6/26/2008	720.77	NM	25.10	695.67	25.10	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	NM	30.03	25.60	695.17	--	--
		2/24/2009	NM	30.03	24.16	696.61	--	--
		3/17/2009	NM	30.03	24.98	695.79	--	--
		3/24/2009	NM	NM	27.03	NM	26.41	0.62

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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	720.77	30.03	25.16	695.61	--	--
		6/15/2009	NM	30.06	23.89	697.22	23.48	0.41
	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
		5/24/2002	720.78	NM	NM	NM	NM	NM
		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	--	--
		1/18/2008	720.78	NM	NM	NM	--	--
		5/19/2008	720.78	NM	24.90	695.88	--	--
		9/25/2008	720.78	NM	25.82	694.96	--	Sheen
		12/10/2008	720.78	NM	26.41	NM	--	--
		1/26/2009	NM	29.59	25.42	695.36	--	--
		2/24/2009	NM	29.59	24.19	696.59	--	--
		3/17/2009	NM	29.59	24.76	696.02	--	--
		4/7/2009	720.78	29.59	24.74	696.04	--	--
		6/15/2009	NM	29.71	22.55	698.23	--	--
	OSBW-4	4/22/2003	NM	34.91	24.45	NM	23.80	0.65
		5/13/2003	NM	34.89	24.05	NM	23.44	0.61
		6/20/2003	NM	34.90	24.40	NM	23.85	0.55
		8/4/2003	NM	34.93	23.31	NM	22.89	0.42
		9/18/2003	NM	34.98	22.10	NM	22.05	0.05
		10/21/2003	NM	34.80	22.57	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		12/17/2003	NM	NM	20.64	NM	--	--
		1/21/2004	NM	34.80	22.21	NM	--	--
		2/24/2004	NM	34.91	23.35	NM	23.23	0.12
		3/23/2004	NM	34.91	24.36	NM	24.21	0.15
		4/23/2004	NM	NM	23.55	NM	--	--
		5/19/2004	NM	34.91	20.49	NM	20.37	0.12
		6/24/2004	NM	34.84	26.22	NM	26.21	0.01
		11/19/2004	NM	34.91	19.98	NM	19.91	0.07
		1/31/2005	NM	34.91	20.68	NM	20.57	0.11
		2/24/2005	NM	34.84	25.39	NM	25.36	0.03
		3/29/2005	NM	34.91	19.77	NM	19.74	0.03
		4/28/2005	NM	34.91	25.10	NM	25.07	0.03
		5/31/2005	NM	34.91	22.43	NM	22.38	0.05
		6/29/2005	NM	34.91	20.24	NM	20.18	0.06
		7/29/2005	NM	34.85	24.51	NM	24.12	0.39
		8/31/2005	NM	34.85	24.76	NM	24.42	0.34
		9/30/2005	NM	34.91	24.89	NM	24.68	0.21
		10/31/2005	NM	34.84	24.80	NM	24.15	0.65
		11/29/2005	NM	34.84	24.05	NM	23.48	0.57
		12/22/2005	NM	34.91	24.62	NM	24.00	0.62
		1/31/2006	NM	34.91	25.85	NM	25.26	0.59
		2/28/2006	NM	34.91	25.40	NM	25.23	0.17
		3/30/2006	NM	34.91	23.55	NM	23.47	0.08
		4/28/2006	NM	34.91	25.02	NM	24.88	0.14
		5/30/2006	NM	34.91	24.89	NM	24.68	0.21
		6/26/2006	NM	34.91	24.73	NM	24.51	0.22
		8/16/2006	NM	NA	NM	NM	NA	NA
		8/29/2006	NM	34.82	26.53	NM	25.77	0.76
		9/26/2006	NM	34.82	26.44	NM	25.81	0.63
		10/18/2006	NM	34.82	26.44	NM	25.99	0.45
		11/23/2006	NM	34.82	25.75	NM	25.38	0.37
		12/18/2006	NM	34.82	25.48	NM	25.26	0.22
		1/16/2007	NM	34.82	23.82	NM	23.71	0.11
		2/22/2007	NM	34.82	23.64	NM	23.57	0.07
		3/20/2007	NM	34.82	23.45	NM	23.36	0.09
		4/24/2007	NM	34.82	24.89	NM	24.83	0.06
		5/17/2007	NM	34.82	24.57	NM	24.48	0.09
		6/26/2007	NM	34.82	31.10	NM	31.03	0.07
		7/24/2007	NM	34.82	27.72	NM	25.74	1.98
		8/20/2007	NM	34.82	27.70	NM	25.65	2.05
		10/22/2007	NM	34.82	27.25	NM	25.37	1.88
		11/15/2007	NM	34.82	27.18	NM	25.28	1.90
		12/13/2007	NM	33.35	26.87	NM	24.10	2.77
		1/18/2008	NM	NM	NM	NM	--	2.69
		2/8/2008	NM	NM	NM	NM	--	2.30
		3/10/2008	NM	NM	NM	NM	--	2.27
		4/7/2008	NM	NM	NM	NM	--	2.29
		5/20/2008	NM	NM	NM	NM	--	2.85
		6/26/2008	NM	NM	26.08	NM	23.39	1.32
		7/31/2008	NM	34.83	27.70	NM	25.68	2.02
		8/27/2008	NM	34.80	27.97	NM	25.68	2.29
		9/25/2008	NM	NM	NM	NM	NM	NM
		10/29/2008	NM	33.24	25.81	NM	24.11	1.70
		11/24/2008	NM	NM	25.21	NM	24.12	1.09
		12/10/2008	NM	NM	26.62	NM	24.84	1.78
		1/26/2009	NM	NM	25.34	NM	24.45	0.89
		3/24/2009	NM	NM	25.45	NM	24.56	0.89
		4/7/2009	NM	NM	21.55	NM	21.54	0.01
AOI 41								
	MW-12-S1	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	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		8/15/2002	722.24	NM	NM	NM	NM	NM
		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	--	--
		8/16/2006	722.24	NA	NA	NA	NA	NA
		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	--	--
		1/18/2008	722.24	NM	NM	NM	--	0.01
		5/20/2008	722.24	NM	15.13	707.11	15.12	--
		12/10/2008	722.24	NM	14.95	707.29	--	--
		4/7/2009	722.24	23.93	14.68	707.56	--	--
AOI 42								
	MW-0635-S2A	4/7/2009	718.41	26.62	12.96	705.45	--	--
	MW-0635-S3	3/27/2009	718.37	NM	NM	NM	--	--
		4/7/2009	718.37	49.18	11.47	706.9	--	--
	MW-0636-S2A	4/7/2009	719.12	19.86	13.98	705.14	--	--
	MW-0636-S2B	4/7/2009	719.61	30.91	12.68	706.93	--	--
	MW-0636-S3	3/27/2009	719.67	NM	NM	NM	--	--
		4/7/2009	719.67	55.50	12.95	707.47	12.07	0.88
	MW-0804-S2A	4/7/2009	719.57	27.05	14.52	705.05	--	--
	MW-0805-S2B	4/7/2009	719.68	32.57	12.68	707.00	--	--
	MW-0808-S2A	4/7/2009	719.60	20.11	14.98	704.62	--	--
	PZ-42-0701-S2A	4/7/2009	719.42	31.69	12.48	706.94	--	--
	PZ-42-0702-S2A	4/7/2009	719.71	23.57	14.26	705.45	--	--
AOI 43								
	Little Eagle Creek (10th St. Bridge)	4/7/2009	729.44	NM	25.60	703.84	--	--
	Little Eagle Creek (South)	4/7/2009	718.41	NM	16.80	701.61	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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-0612-S2B	4/7/2009	719.31	30.35	12.36	706.95	--	--
	MW-0613-S2A	4/7/2009	719.76	17.85	13.09	706.67	--	--
	MW-0614-S2B	4/7/2009	719.66	31.60	12.74	706.92	--	--
	MW-0637-S2B	4/7/2009	719.65	37.72	15.86	703.79	--	--
	MW-0637-S3	3/27/2009	719.78	NM	NM	NM	--	--
		4/7/2009	719.78	51.18	13.10	706.68	--	--
		4/22/2009	719.78	NM	NM	NM	--	--
		5/22/2009	719.78	NM	NM	NM	--	--
	MW-0707-S2B	4/7/2009	719.56	30.91	13.63	705.93	--	--
	MW-0708-S2A	4/7/2009	719.44	21.00	15.20	704.24	--	--
	MW-0806-S2A	4/7/2009	719.65	24.50	14.98	704.67	--	--
	MW-0807-S2A	4/7/2009	719.41	26.11	15.41	704.00	--	--
	MW-0812-S2A	4/7/2009	719.63	29.68	15.68	703.95	--	--
	MW-0813-S2A	4/7/2009	719.77	25.35	16.31	703.46	--	--
AOI 46								
	MW-0638-S2B	4/7/2009	719.85	33.92	16.21	703.64	--	--
AOI 50								
	MW-10-S2	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	--	--
AOI 51								
	MW-0101-S2B	5/17/2001	718.76	NM	21.80	696.96	--	--
		12/17/2001	718.76	NM	20.25	698.51	--	--
		3/20/2002	718.76	NM	19.94	698.82	--	--
		5/22/2003	718.76	34.35	18.91	699.85	--	--
		11/20/2003	718.76	34.35	20.31	698.45	--	--
		5/17/2004	718.76	NM	20.39	698.37	--	--
		11/19/2004	718.76	35.40	19.97	698.79	--	--
	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	--	--
	MW-0108-S2B	12/17/2001	719.10	NM	20.18	698.92	--	--
		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	--	--

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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)
		5/18/2004	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	--	--
	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	--	--
	MW-0110-S2A	12/17/2001	719.55	NM	16.52	703.03	--	--
		3/18/2002	719.55	NM	16.54	703.01	--	--
		8/15/2002	719.55	NM	18.23	701.32	--	--
		5/23/2003	719.55	NM	18.06	701.49	--	--
		11/20/2003	719.55	NM	15.72	703.83	--	--
		5/19/2004	719.55	27.32	16.64	702.91	--	--
		11/19/2004	719.55	27.32	16.25	703.30	--	--
	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	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		5/30/2006	719.63	31.65	20.34	699.29	--	--
		6/26/2006	719.63	31.65	20.36	699.27	--	--
		8/16/2006	719.63	NA	NA	NA	NA	NA
		8/29/2006	719.63	NA	NA	NA	NA	NA
		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
		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
		1/18/2008	719.63	NM	NM	NM	--	--
		5/20/2008	719.63	NM	22.31	697.32	--	--
		12/10/2008	719.63	NM	23.36	696.27	23.31	0.05
		2/10/2009	719.64	NM	NM	NM	--	--
		3/27/2009	719.64	NM	NM	NM	--	--
		4/7/2009	719.64	31.80	21.04	698.64	20.99	0.05
	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	--	--
		4/7/2009	719.04	NM	NM	NM	NM	NM
	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	--	--
		3/27/2009	718.61	53.38	24.17	NM	--	--
		4/7/2009	718.61	NM	NM	NM	--	--
	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	--	--
		1/18/2008	718.79	NM	NM	NM	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		5/19/2008	718.79	NM	16.50	702.29	--	--
		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	--	--
	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	--	--
		1/18/2008	718.70	NM	NM	NM	--	--
		5/19/2008	718.70	NM	16.50	NM	--	--
		2/10/2009	719.03	34.65	22.13	696.9	--	--
		3/27/2009	719.03	34.69	21.10	697.93	--	--
		4/7/2009	719.03	34.50	21.28	697.75	--	--
	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	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		5/19/2008	NM	NM	16.50	NM	--	--
		3/27/2009	718.7	52.98	24.31	694.39	--	--
		4/7/2009	718.70	52.90	23.70	695.00	--	--
	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	--	--
	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	--	--
		3/27/2009	718.47	51.50	23.24	695.23	--	--
		4/7/2009	718.47	52.47	23.27	695.20	--	--
	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	--	--

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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)
		3/29/2005	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	--	--
		8/16/2006	719.76	NA	NA	NA	NA	NA
		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	--	--
		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	--	--
		1/18/2008	719.76	NM	NM	NM	--	--
		5/19/2008	719.76	NM	NM	NM	--	--
		12/10/2008	719.76	NM	18.24	701.52	--	--
		4/7/2009	719.76	37.20	21.58	698.18	--	--
	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	--	--
		2/10/2009	719.61	NM	NM	NM	--	--
		3/27/2009	719.61	NM	NM	NM	--	--
		4/7/2009	719.61	37.76	17.69	701.92	--	--
	MW-0402-S3	3/27/2009	719.61	50.06	24.84	694.77	--	--
		4/7/2009	719.61	50.05	23.01	696.60	--	--
	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	--	--
		3/27/2009	719.13	36.23	21.72	697.41	--	--
		4/7/2009	719.13	36.14	21.04	698.09	--	--
	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	--	--

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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)
		3/27/2009	719.21	36.90	21.34	697.87	--	--
		4/7/2009	719.21	37.00	21.27	697.94	--	--
	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	--	--
	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	697.9	--	--
		4/7/2009	718.59	39.88	20.63	697.96	--	--
	MW-0409-S3	3/27/2009	718.58	54.60	23.60	694.98	--	--
		4/7/2009	718.58	54.60	24.69	693.89	--	--
	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	--	--
	MW-0414-S3	3/27/2009	719.58	46.59	24.32	695.26	--	--
		4/7/2009	719.58	46.51	22.80	696.78	--	--
	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	--	--
	MW-0417-S3	3/27/2009	719.47	50.83	24.15	695.32	--	--
		4/7/2009	719.47	50.50	24.75	694.72	--	--
	MW-0417-S4	4/6/2009	719.01	>100	16.29	702.72	--	--
	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	--	--
	MW-0418-S3	3/27/2009	719.17	51.64	24.74	694.43	--	--
		4/7/2009	719.17	51.47	23.29	695.88	--	--
	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	--	--
	MW-0419-S3	3/27/2009	719.14	52.68	23.47	695.67	--	--
		4/7/2009	719.14	52.80	23.94	695.20	--	--
	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	--	--
	MW-0420-S3	3/27/2009	718.81	52.87	23.78	695.03	--	--
		4/7/2009	718.81	52.61	23.45	695.36	--	--
	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	--	--
	MW-0421-S3	3/27/2009	718.00	54.76	22.78	695.22	--	--
		4/7/2009	718.00	52.30	22.52	695.48	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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-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	--	--
	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	--	--
	MW-0425-S2A	4/7/2009	719.79	29.15	17.21	702.58	--	--
	MW-0425-S2B	2/10/2009	719.79	29.20	18.26	701.53	--	--
		3/27/2009	719.79	29.14	18.47	701.32	--	--
	MW-0426-S2B	4/7/2009	719.27	36.29	21.23	698.04	--	--
	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	--	--
	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	--	--
	MW-0817-S3	3/27/2009	717.30	48.65	22.85	694.45	--	--
		4/7/2009	717.30	48.60	21.85	695.45	--	--
	MW-0818-S3	3/27/2009	718.16	53.41	23.31	694.85	--	--
		4/7/2009	718.16	53.34	21.71	696.45	--	--
	MW-0819-S2B	2/10/2009	719.33	37.79	22.04	697.29	--	--
		3/27/2009	719.33	37.35	21.58	697.75	--	--
		4/7/2009	719.33	37.70	21.13	698.20	--	--
	MW-S2-0601	10/27/2006	NM	NM	NM	NM	--	--
		10/8/2007	NM	NM	NM	NM	--	--
		1/18/2008	NM	NM	NM	NM	--	--
		12/10/2008	NM	NM	21.61	NM	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	--	--
	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	--	--
	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	--	--
	MW-S3-0501	3/27/2009	717.41	53.10	22.74	694.67	--	--
		4/7/2009	717.41	53.09	23.34	694.07	--	--
	MW-S3-0601	3/27/2009	718.16	52.50	24.11	694.05	--	--
		4/7/2009	718.16	52.40	23.55	694.61	--	--
	RW-0201-S2A	2/10/2009	718.88	NM	26.75	NM	--	--
		3/27/2009	718.88	NM	26.75	NM	--	--
		4/7/2009	718.88	NM	26.91	691.97	--	--
	RW-0202-S2A	2/10/2009	719.07	NM	25.77	693.30	--	--
		3/27/2009	719.07	NM	26.56	NM	--	--
		4/7/2009	719.07	NM	16.04	703.03	--	--
	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	702.5	--	--
	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	--	--
	RW-0205-S2A	2/10/2009	NA	NM	17.31	NA	--	--
		3/27/2009	NA	NM	18.10	NA	--	--
		4/7/2009	NA	NM	16.11	NA	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
	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	--	--
	RW-0501-S3	3/27/2009	716.77	NM	21.44	695.33	--	--
		4/7/2009	716.77	NM	23.02	693.75	--	--
	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	--	--
	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	--	--
	RW-0602-S3	3/27/2009	717.09	NM	24.38	692.71	--	--
		4/7/2009	717.09	NM	23.61	693.48	--	--
	RW-0603-S3	3/27/2009	718.29	NM	23.05	695.24	--	--
		4/7/2009	718.29	NM	23.88	694.41	--	--
	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	--	--
	RW-0604-S3	3/27/2009	716.90	NM	20.98	695.92	--	--
		4/7/2009	716.90	NM	23.48	693.42	--	--
	RW-0605-S3	3/27/2009	719.07	NM	25.98	693.09	--	--
		4/7/2009	719.07	NM	NM	NM	--	--
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
		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	--	--
		8/16/2006	719.59	NA	NA	NA	NA	NA
		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

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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)
		12/18/2006	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	--	--
		1/18/2008	719.59	NM	NM	NM	--	--
		5/19/2008	719.59	NM	22.31	697.28	--	--
		12/10/2008	719.59	NM	22.54	697.05	--	--
		2/10/2009	719.63	NM	NM	NM	--	--
		3/27/2009	719.63	NM	NM	NM	--	--
		4/7/2009	719.63	35.60	21.15	698.48	--	--
	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	--	--
		11/19/2003	719.63	NM	NM	NM	NM	NM
		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	--	--
		8/16/2006	719.63	NA	NA	NA	NA	NA
		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	--	--
		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
		1/18/2008	719.63	NM	NM	NM	--	0.05

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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)
		5/19/2008	719.63	NM	22.31	697.32	--	--
		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
	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	--	--
		8/16/2006	719.68	NA	NA	NA	NA	NA
		8/29/2006	719.68	NA	NA	NA	NA	NA
		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	--	--
		10/8/2007	719.68	37.92	22.29	697.39	--	--
		12/13/2007	719.68	38.02	22.39	697.29	--	--
		1/18/2008	719.68	NM	NM	NM	--	--
		5/19/2008	719.68	NM	22.31	697.37	--	--
		12/10/2008	719.68	NM	22.65	697.03	--	--
		2/10/2009	719.68	NM	NM	NM	--	--
		3/27/2009	719.68	NM	NM	NM	--	--
		4/7/2009	719.68	37.84	21.37	698.31	--	--
	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	--	--

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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)
		5/18/2004	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	--	--
		8/16/2006	719.66	NA	NA	NA	NA	NA
		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	--	--
		11/23/2006	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	--	--
		1/18/2008	719.66	NM	NM	NM	--	--
		5/19/2008	719.66	NM	22.31	697.35	--	--
		12/10/2008	719.66	NM	22.62	697.04	--	--
		2/10/2009	719.66	NM	NM	NM	--	--
		3/27/2009	719.66	NM	NM	NM	--	--
		4/7/2009	719.66	33.37	21.21	698.45	--	--
	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	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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)
		5/31/2005	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	--	--
		8/16/2006	719.59	NA	NA	NA	NA	NA
		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	--	--
		1/18/2008	719.59	NM	NM	719.59	--	--
		5/19/2008	719.59	NM	22.31	697.28	--	--
		12/10/2008	719.59	NM	22.63	696.96	--	--
		2/10/2009	719.59	NM	NM	NM	--	--
		3/27/2009	719.59	NM	NM	NM	--	--
		4/7/2009	719.59	35.14	21.23	698.36	--	--
	MW-25-S2	5/17/2001	716.21	NM	15.52	700.69	--	--
		3/13/2002	716.21	NM	12.42	703.79	--	--
		5/23/2003	716.21	NM	18.64	697.57	--	--
		11/19/2003	716.21	NM	12.73	703.48	--	--
AOI 54								
	MW-7-S2	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	--	--
AOI 57								
	MW-0639-S2A	4/7/2009	716.12	22.27	14.51	701.61	--	--
Perimeter								
	MW-0701-S2	4/7/2009	726.37	24.52	16.41	709.96	--	--
	MW-0704-S2	4/7/2009	725.67	23.75	13.65	712.02	--	--
	MW-0705-S2	4/7/2009	726.33	18.80	16.11	710.22	--	--
	MW-0802-S2	4/7/2009	725.40	21.44	15.57	709.83	--	--

Table 1. Monitoring Well Gauging Data, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009, 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-0810-S2	4/7/2009	725.86	26.31	15.95	709.91	--	--
	MW-0811-S2	4/7/2009	725.09	26.87	15.38	709.71	--	--
	MW2-4-S2	4/7/2009	725.05	23.55	13.71	711.34	--	--
	PZ-0801-S2	4/7/2009	724.78	21.30	14.77	710.01	--	--

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.) NA - Data not available
7.) <0.1 ft of LNAPL observed in bailer
8.) * - indicates well has been abandoned

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 01	MW-0620-S1	2/6/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 01	MW-0620-S1	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	< 0.01 U
AOI 01	MW-0620-S1	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	< 0.01 U
AOI 01	MW-0621-S1	2/6/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 01	MW-0649-S1	2/6/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02	LFMW-1	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	< U
AOI 02	LFMW-1	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	LFMW-1	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	LFMW-2	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	< U
AOI 02	LFMW-2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	LFMW-2	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	LFMW-3	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	< U
AOI 02	LFMW-3	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	LFMW-3	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	LFMW-4	6/1/1992		NA	NA	< U	< U	NA	< U	**0.022**	NA	< U
AOI 02	LFMW-4	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	LFMW-4	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	LFMW-5	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	< U
AOI 02	LFMW-5	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	LFMW-5	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	LFMW-6	6/1/1992	FD	NA	NA	< 0.005 U	< 0.01 U	NA	< 0.005 U	< 0.005 U	NA	< 0.005 U
AOI 02	LFMW-6	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	< U
AOI 02	LFMW-6	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	MW-0408-S2	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-0408-S2	2/28/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-0408-S2	2/6/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-0408-S2	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	< 0.01 U
AOI 02	MW-0408-S2	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	< 0.01 U
AOI 02	MW-0601-S2A	3/1/2006	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	< 0.01 U
AOI 02	MW-0601-S2A	3/1/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-0601-S2A	2/2/2007	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02	MW-0601-S2A	2/2/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-0601-S2A	10/10/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02	MW-0601-S2A	10/10/2007	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02	MW-0601-S2A	5/15/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02	MW-0601-S2B	3/1/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-0601-S2B	2/2/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02	MW-14-S2	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	< U
AOI 02	MW-14-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	MW-14-S2	10/9/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02	MW-21-S2	8/31/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
AOI 02	MW-21-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02	MW-22-S2	8/31/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
AOI 02	MW-22-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 02-01	MW-0615-S2	1/26/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0016 J	< 0.01 U
AOI 02-01	MW-0615-S2	1/26/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.001 J	< 0.005 U	< 0.005 U	0.0015 J	< 0.01 U
AOI 02-01	MW-0615-S2	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	< 0.01 U
AOI 02-01	MW-0640-S2	1/30/2007	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0238	< 0.005 U	**0.139**	**0.0026**	< 0.01 U
AOI 02-01	MW-0640-S2	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0267	< 0.005 U	**0.139**	< 0.002 U	< 0.01 U
AOI 02-01	MW-0640-S2	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0312	< 0.005 U	**0.0421**	**0.009**	< 0.01 U
AOI 02-01	MW-0640-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0617 U	< 0.005 U	**0.101**	< 0.0095 U	< 0.01 U
AOI 02-01	MW-6-S2	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	**0.31**	< 0.005 U	< 0.005 U
AOI 02-01	MW-6-S2	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 02-01	MW-6-S2	10/18/1999		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.088**	< 0.005 U	**0.53**	**0.0048**	NA
AOI 02-01	MW-6-S2	4/14/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.2**	< 0.005 U	**0.77**	**0.037**	NA
AOI 02-02	MW-0702-S2	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0022**	< 0.01 U
AOI 02-02	MW-0702-S2	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	< 0.01 U
AOI 02-02	MW-0702-S2	5/15/2008	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02-02	MW-0702-S2	5/15/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02-02	MW-0702-S2	4/9/2009	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 02-02	MW-0702-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0028 J	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-02	MW-0801-S2	6/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-02	MW-0801-S2	10/30/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0058	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-02	MW-0801-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0078	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-02	MW2-2-S2	4/14/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 02-02	MW2-2-S2	1/10/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.25**	< 0.01 U
AOI 02-02	MW2-2-S2	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.349**	< 0.01 U
AOI 02-02	MW2-2-S2	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.249**	< 0.01 U
AOI 02-02	MW2-2-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	**0.439**	< 0.01 U
AOI 02-02	MW-5-S2	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
AOI 02-02	MW-5-S2	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 02-03	MW2-3-S2	4/14/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02-03	MW2-3-S2	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	< 0.01 U
AOI 02-03	MW2-3-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	< 0.01 U
AOI 02-03	MW2-3-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0616-S2	1/27/2006	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	< 0.01 U
AOI 02-04	MW-0616-S2	1/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0616-S2	1/29/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0616-S2	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0616-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0617-S2	1/26/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0617-S2	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	< 0.01 U
AOI 02-04	MW-0642-S2	1/30/2007		< 0.005 U	< 0.005 U	0.0036 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0642-S2	5/13/2008		< 0.005 U	< 0.005 U	0.005	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0703-S2	11/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-0703-S2	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-04	MW-3-S2	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
AOI 02-04	MW-3-S2	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	0.031
AOI 02-04	MW-3-S2	8/14/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	0.011
AOI 02-04	MW-3-S2	10/29/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	0.0051
AOI 02-04	MW-3-S2	2/12/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	0.0052
AOI 02-04	MW-3-S2	12/9/1999		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02-04	MW-3-S2	5/18/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 02-04	MW-4-S2	2/19/1997		NA	NA	**2.2**	NA	NA	NA	NA	NA	1.5
AOI 02-04	MW-4-S2	8/14/1997		NA	NA	**0.82**	NA	NA	NA	NA	NA	0.52
AOI 02-04	MW-4-S2	10/29/1997		NA	NA	**0.48**	NA	NA	NA	NA	NA	0.34
AOI 02-04	MW-4-S2	2/12/1998		NA	NA	**0.17**	NA	NA	NA	NA	NA	0.11
AOI 02-04	MW-4-S2	10/18/1999		< 0.005 U	< 0.005 U	**0.01**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.01**	NA
AOI 02-04	MW-4-S2	4/14/2000		< 0.005 U	< 0.005 U	**0.0079**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0084**	NA
AOI 02-06	MW-0618-S2	1/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	0.15	0.068	< 0.005 U	0.0014 J	**0.15**	< 0.01 U
AOI 02-06	MW-0618-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0518 U	< 0.005 U	< 0.005 U	< 0.16 U	< 0.01 U
AOI 02-06	MW-0619-S2	1/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.032	< 0.005 U	0.0033 J	**0.11**	< 0.01 U
AOI 02-06	MW-0619-S2	5/12/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0211 U	< 0.01 U
AOI 02-06	MW-0643-S2	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0575	< 0.005 U	**0.0366**	**0.0278**	< 0.01 U
AOI 02-06	MW-0643-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0358 U	< 0.005 U	< 0.0288 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0644-S2	1/31/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0644-S2	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0644-S2	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0644-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0017 J	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0645-S2	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.173**	< 0.005 U	< 0.005 U	**0.0347**	< 0.01 U
AOI 02-06	MW-0645-S2	5/12/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0458 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0647-S2	1/31/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0647-S2	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 02-06	MW-0706-S2	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0167	< 0.005 U	< 0.005 U	**0.157**	< 0.01 U
AOI 02-06	MW-0706-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0212 U	< 0.005 U	< 0.005 U	**0.267**	< 0.01 U
AOI 02-06	MW-2-S2	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 02-06	MW-2-S2	10/18/1999		**0.021**	< 0.005 U	< 0.005 U	< 0.005 U	**0.57**	< 0.005 U	< 0.005 U	**0.25**	NA
AOI 02-06	MW-2-S2	4/14/2000	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	NA
AOI 02-06	MW-2-S2	4/14/2000		**0.01**	< 0.005 U	< 0.005 U	< 0.005 U	**0.31**	< 0.005 U	**0.0077**	**0.1**	NA
AOI 02-07	MW2-1-S2	4/14/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.067	< 0.005 U	< 0.005 U	**0.053**	NA
AOI 02-07	MW2-1-S2	1/10/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.067	< 0.005 U	0.0039 J	**0.059**	< 0.01 U
AOI 02-07	MW2-1-S2	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0484 U	< 0.005 U	< 0.005 U	< 0.095 U	< 0.01 U
AOI 06	MW-0603-S1	3/1/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 06	MW-0603-S1	3/1/2006	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 08	MW-0650-S1	2/6/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 09	MW-0651-S2	2/5/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 09	MW-0651-S2	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 09	MW-13-S2	6/1/1992		NA	NA	NA	NA	NA	< U	NA	NA	NA
AOI 09	MW-13-S2	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	**0.31**	< 0.005 U	< 0.005 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 09	MW-13-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 09	MW-23-S2	8/31/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
AOI 09	MW-23-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 09	MW-23-S2	9/28/2000	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 09	MW-23-S2	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	< 0.01 U
AOI 09	MW-23-S2	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	< 0.01 U
AOI 13	MW-0652-S1	2/5/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0077	**0.0057**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 13	MW-0652-S1	10/11/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 14	MW-20-S1	9/28/2000	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	0.021	< 0.005 U	< 0.005 U	**0.013**	< 0.005 U
AOI 14	MW-20-S1	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	0.02	< 0.005 U	< 0.005 U	**0.013**	< 0.005 U
AOI 14	MW-20-S1	5/17/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.19**	< 0.005 U	< 0.005 U	**0.084**	NA
AOI 14	MW-20-S1	11/1/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 14	MW-20-S1	3/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.15**	< 0.005 U	< 0.005 U	**0.037**	NA
AOI 14	MW-20-S1	8/14/2002	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.27**	< 0.005 U	< 0.005 U	**0.08**	< 0.01 U
AOI 14	MW-20-S1	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.27**	< 0.005 U	< 0.005 U	**0.083**	< 0.01 U
AOI 14	MW-20-S1	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.032	< 0.005 U	< 0.005 U	**0.15**	< 0.01 U
AOI 14	MW-20-S1	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.049**	< 0.01 U
AOI 14	MW-20-S1	1/19/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.036	< 0.005 U	< 0.005 U	**0.086**	< 0.01 U
AOI 15	MW-3-1-S1	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-1-S1	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-1-S1	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-2-S1	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-2-S1	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-2-S1	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-2-S1	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 15	MW-3-2-S1	11/1/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 15	MW-3-2-S1	3/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 15	MW-3-2-S1	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	< 0.01 U
AOI 15	MW-3-2-S1	1/19/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 15	MW-3-2-S1	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 15	MW-3-3-S1	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	8/28/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	11/25/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	2/17/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	9/7/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	1/13/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	5/19/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-3-S1	1/29/2001		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-4-S1	5/29/1998		NA	NA	**0.32**	NA	NA	NA	NA	NA	0.58
AOI 15	MW-3-4-S1	8/28/1998		NA	NA	**0.057**	NA	NA	NA	NA	NA	0.169
AOI 15	MW-3-4-S1	11/25/1998		NA	NA	**0.12**	NA	NA	NA	NA	NA	0.23
AOI 15	MW-3-4-S1	2/17/1999		NA	NA	**0.188**	NA	NA	NA	NA	NA	0.805
AOI 15	MW-3-4-S1	5/14/1999		NA	NA	**0.07**	NA	NA	NA	NA	NA	0.23
AOI 15	MW-3-4-S1	9/7/1999		NA	NA	**0.02**	NA	NA	NA	NA	NA	0.08
AOI 15	MW-3-4-S1	1/13/2000		NA	NA	**0.02**	NA	NA	NA	NA	NA	0.15
AOI 15	MW-3-4-S1	5/19/2000		NA	NA	**0.007**	NA	NA	NA	NA	NA	0.07
AOI 15	MW-3-4-S1	9/20/2000		NA	NA	**0.023**	NA	NA	NA	NA	NA	0.12
AOI 15	MW-3-4-S1	1/29/2001		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-5-S2	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-5-S2	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-5-S2	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-5-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 15	MW-3-6-S2	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-6-S2	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-6-S2	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-6-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 15	MW-3-7-S2	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-7-S2	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-7-S2	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-7-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 15	MW-3-8-S2	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-8-S2	5/14/1999		NA	NA	**0.0067**	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-8-S2	1/29/2001		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-9-S2	5/29/1998		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-9-S2	5/14/1999	FD	NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-9-S2	5/14/1999		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 15	MW-3-9-S2	9/20/2000		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-9-S2	9/29/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 15	MW-3-9-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	< 0.01 U
AOI 15	MW-3-9-S2	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	< 0.01 U
AOI 19	MW-0204-T	3/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.065**	NA
AOI 19	MW-0204-T	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.018**	< 0.01 U
AOI 19	MW-0204-T	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	< 0.01 U
AOI 19	MW-0204-T	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.021**	< 0.01 U
AOI 19	MW-0204-T	1/18/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0204-T	2/2/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0413-S1	11/23/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0506-S1	11/18/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.017	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0506-S1	2/28/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0507-S1	11/18/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.016	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0507-S1	2/28/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0027 J	0.0011 J	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0508-S1	11/18/2005	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.003 J	< 0.005 U	< 0.005 U	**0.0068**	< 0.01 U
AOI 19	MW-0508-S1	11/18/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.003 J	< 0.005 U	< 0.005 U	**0.007**	< 0.01 U
AOI 19	MW-0508-S1	2/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0037 J	< 0.005 U	< 0.005 U	**0.0067**	< 0.01 U
AOI 19	MW-0508-S1	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-0605-S2	2/28/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 19	MW-11-S1	6/1/1992		NA	NA	NA	NA	NA	< U	NA	NA	NA
AOI 19	MW-11-S1	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	**0.31**	< 0.005 U	< 0.005 U
AOI 19	MW-11-S1	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 19	MW-11-S1	1/18/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.001 J	< 0.005 U	< 0.002 U	< 0.01 U
AOI 24	MW-9-S1	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 24	MW-9-S1	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 26	IW-0201-S1	5/23/2002		**0.0078 J**	< 0.005 U	< 0.005 U	0.15 J	**0.39**	< 0.005 U	< 0.005 U	**0.46 J**	< 0.01 U
AOI 26	IW-0202-S1	5/23/2002		< 0.12 R	< 0.12 U	< 0.12 U	2.6	**0.63**	< 0.12 U	< 0.12 U	**2**	< 0.25 UJ
AOI 26	IW-0202-S1	8/14/2002		< 0.05 U	< 0.05 U	< 0.05 U	1.7	**0.58**	< 0.05 U	< 0.05 U	**0.18**	< 0.1 U
AOI 26	IW-0202-S1	9/11/2002		**0.13**	< 0.005 U	< 0.005 U	9.8	**0.25**	< 0.005 U	**0.006**	**0.094**	< 0.01 U
AOI 26	IW-0203-S1	5/22/2002		< 0.12 R	< 0.12 UJ	< 0.12 UJ	3.5 J	**0.21 J**	< 0.12 UJ	< 0.12 UJ	**1.8 J**	< 0.25 UJ
AOI 26	IW-0203-S1	10/9/2007		**0.0287**	< 0.005 U	< 0.005 U	0.934	0.0278	< 0.005 U	< 0.005 U	**0.0139**	< 0.01 U
AOI 26	MW-0103-S1	5/17/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.097**	**0.016**	**0.0056**	< 0.002 U	NA
AOI 26	MW-0103-S1	11/1/2001	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.019	**0.015**	< 0.005 U	< 0.002 U	NA
AOI 26	MW-0103-S1	11/1/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.015	**0.011**	< 0.005 U	< 0.002 U	NA
AOI 26	MW-0103-S1	3/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0081**	< 0.005 U	< 0.002 U	NA
AOI 26	MW-0103-S1	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	0.032	**0.0074**	< 0.005 U	< 0.002 R	< 0.01 U
AOI 26	MW-0103-S1	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0095	**0.011**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0103-S1	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0055	**0.0091 J**	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 26	MW-0103-S1	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	< 0.01 U
AOI 26	MW-0103-S1	5/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0062**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0103-S1	1/18/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.092**	**0.011**	**0.0053**	< 0.002 U	< 0.01 U
AOI 26	MW-0103-S1	5/15/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.00059 J	**0.0075**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0103-S1	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.00062 J	**0.0073**	0.001 J	< 0.002 U	< 0.01 U
AOI 26	MW-0115-S1	5/22/2002		< 0.005 R	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	0.0068 J	< 0.005 UJ	**0.0082 J**	**0.019 J**	< 0.01 UJ
AOI 26	MW-0115-S1	7/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.01	< 0.005 U	**0.0091**	< 0.002 U	< 0.01 U
AOI 26	MW-0115-S1	8/13/2002		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	**0.24**	< 0.05 U	< 0.05 U	< 0.02 U	< 0.1 U
AOI 26	MW-0115-S1	9/11/2002		< 0.005 U	< 0.005 U	< 0.005 U	0.01	0.038	< 0.005 U	< 0.005 U	**0.005**	< 0.01 U
AOI 26	MW-0115-S1	9/26/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	0.021	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0115-S1	11/21/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0072	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0115-S1	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	0.026	< 0.005 U	< 0.005 U	< 0.005 U	**0.011**	< 0.01 U
AOI 26	MW-0115-S1	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0115-S1	1/18/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0211-S1	5/22/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	0.061	< 0.005 U	**0.1**	**1.2 J**	< 0.01 U
AOI 26	MW-0211-S1	7/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.033	< 0.005 U	< 0.005 U	**0.0054**	< 0.01 U
AOI 26	MW-0211-S1	8/14/2002		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	**0.084**	< 0.05 U	< 0.05 U	< 0.02 U	< 0.1 U
AOI 26	MW-0211-S1	9/11/2002		**0.013**	< 0.005 U	< 0.005 U	0.023	**0.27**	< 0.005 U	< 0.005 U	**0.014**	< 0.01 U
AOI 26	MW-0211-S1	9/26/2002		< 0.005 R	< 0.005 U	< 0.005 U	0.023	0.0084	< 0.005 U	< 0.005 U	**0.0051**	< 0.01 U
AOI 26	MW-0211-S1	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 U	0.03 J	< 0.005 U	< 0.005 UJ	< 0.005 U	**0.0045 J**	< 0.01 UJ
AOI 26	MW-0212-S1	5/22/2002		< 0.05 R	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	**0.31 J**	< 0.05 UJ	< 0.05 UJ	**3.6 J**	< 0.1 UJ
AOI 26	MW-0212-S1	5/22/2002	FD	< 0.05 R	< 0.05 UJ	< 0.05 UJ	< 0.05 UJ	**0.3 J**	< 0.05 UJ	< 0.05 UJ	**1.9 J**	< 0.1 UJ
AOI 26	MW-0212-S1	7/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	0.0088	**0.11**	< 0.005 U	0.005	**0.13**	< 0.01 U
AOI 26	MW-0212-S1	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	0.065	0.024	< 0.005 U	< 0.005 U	**0.19**	< 0.01 U
AOI 26	MW-0212-S1	9/11/2002		< 0.005 U	< 0.005 U	< 0.005 U	0.11	0.012	< 0.005 U	< 0.005 U	**0.086**	< 0.01 U
AOI 26	MW-0212-S1	9/27/2002		< 0.005 R	< 0.005 U	< 0.005 U	0.019	< 0.005 U	< 0.005 U	< 0.005 U	**0.0087**	< 0.01 U
AOI 26	MW-0212-S1	11/19/2002	FD	< 0.05 U	< 0.05 U	< 0.05 U	0.068 J	< 0.05 UJ	< 0.05 U	< 0.05 U	< 0.02 UJ	< 0.1 U
AOI 26	MW-0212-S1	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 U	0.067	0.0063 J	< 0.005 UJ	< 0.005 U	**0.0059 J**	< 0.01 UJ

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 26	MW-0212-S1	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	< 0.01 U
AOI 26	MW-0212-S1	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0212-S1	1/18/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0411-S2	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.012	< 0.005 U	< 0.005 U	< 0.002 U	0.055
AOI 26	MW-0411-S2	5/19/2004	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.01	< 0.005 U	< 0.005 U	< 0.002 U	0.047
AOI 26	MW-0411-S2	11/17/2004	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0072	< 0.005 U	**0.01**	< 0.002 U	0.21
AOI 26	MW-0411-S2	11/17/2004		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.02 U	0.39
AOI 26	MW-0628-S2B	1/30/2007	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	< 0.01 U
AOI 26	MW-0628-S2B	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0628-S2B	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0630-S3	1/29/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0013 J	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0630-S3	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0128	< 0.005 U	< 0.005 U	**0.0031**	< 0.01 U
AOI 26	MW-0630-S3	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0058	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 U
AOI 26	MW-0630-S4	2/5/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0630-S4	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-0630-S4	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 26	MW-15-S2	6/1/1992		NA	NA	NA	NA	NA	**0.006**	NA	NA	NA
AOI 26	MW-15-S2	9/28/2000		0.0063	< 0.005 U	< 0.005 U	< 0.01 U	**4.6**	< 0.005 U	**0.084**	**1.8**	< 0.005 U
AOI 27	MW-0631-S1	2/5/2007		< 0.005 U	< 0.005 U	**0.2**	< 0.005 U	**0.796**	< 0.005 U	**0.25**	**0.0617**	< 0.01 U
AOI 27	MW-0631-S1	6/21/2007		< 0.005 U	< 0.005 U	**0.132**	< 0.005 U	**0.145**	< 0.005 U	< 0.005 U	**0.0381**	< 0.01 U
AOI 27	MW-0631-S1	10/11/2007		< 0.005 U	< 0.005 U	**0.0844**	< 0.005 U	**0.302 J**	< 0.005 U	**0.0472**	**0.0282**	< 0.01 U
AOI 27	MW-0631-S1	10/11/2007	FD	< 0.005 U	< 0.005 U	**0.0795**	< 0.005 U	**0.265**	< 0.005 U	**0.0475**	**0.0235**	< 0.01 U
AOI 27	MW-0631-S1	5/15/2008		< 0.005 U	< 0.005 U	**0.0652**	< 0.005 U	**1.59**	< 0.005 UJ	**0.331**	**0.118**	< 0.01 U
AOI 27	MW-0631-S1	5/15/2008	FD	< 0.005 U	< 0.005 U	**0.065**	< 0.005 U	**1.59**	< 0.005 UJ	**0.325**	**0.128**	< 0.01 U
AOI 30	MW-0609-S2	2/2/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0115	< 0.005 U	**0.0193**	**0.0047**	< 0.01 U
AOI 30	MW-0609-S2	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0104	< 0.005 U	**0.0207**	**0.008**	< 0.01 U
AOI 30	MW-0609-S2	10/11/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0087	< 0.005 U	**0.0163**	**0.0048**	< 0.01 U
AOI 30	MW-0609-S2	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0133	< 0.005 UJ	**0.0179**	**0.0092**	< 0.01 U
AOI 31	MW-0632-S2	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0039 J	< 0.005 U	< 0.005 U	**0.0073**	< 0.01 U
AOI 31	MW-0632-S2	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0067	< 0.005 U	< 0.005 U	**0.0134**	< 0.01 U
AOI 31	MW-0632-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	< 0.0061 U	< 0.01 U
AOI 32	MW-0410-S2	5/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.14**	< 0.005 U	< 0.005 U	**0.71**	< 0.01 U
AOI 32	MW-0410-S2	11/17/2004		< 0.005 U	< 0.005 U	**0.027**	0.017	< 0.005 U	< 0.005 U	< 0.005 U	**0.012**	< 0.01 U
AOI 32	MW-0410-S2	6/30/2005		< 0.005 U	< 0.005 U	**0.016**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0410-S2	2/27/2006		< 0.005 U	< 0.005 U	**0.0078**	0.0026 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0410-S2	10/9/2007		< 0.005 U	< 0.005 U	**0.0052**	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0410-S2	5/15/2008		< 0.005 U	< 0.005 U	0.0026 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	0.00069 J
AOI 32	MW-0412-S2	5/18/2004		< 0.005 U	< 0.005 U	**0.49**	0.79	0.04	< 0.005 U	**0.03**	< 0.002 U	< 0.01 U
AOI 32	MW-0412-S2	11/17/2004		< 0.005 U	< 0.005 U	**1.1**	1.7	< 0.005 U	**0.0056**	**0.0054**	< 0.002 U	< 0.01 U
AOI 32	MW-0611-S1	2/2/2007		< 0.005 U	< 0.005 U	**0.0371**	0.152	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0611-S1	5/15/2008		< 0.005 U	< 0.005 U	**0.0458**	0.0931	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0629-S2	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0303	< 0.005 U	**0.0485**	< 0.002 U	< 0.01 U
AOI 32	MW-0629-S2	10/11/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0968**	< 0.005 U	**0.0944**	< 0.002 U	< 0.01 U
AOI 32	MW-0629-S2	5/15/2008		0.00095 J	< 0.005 U	< 0.005 U	< 0.005 U	**0.0754**	< 0.005 U	**0.105**	< 0.002 U	< 0.01 U
AOI 32	MW-0629-S3	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.007**	< 0.01 U
AOI 32	MW-0629-S3	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0134**	< 0.01 U
AOI 32	MW-0629-S3	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0051**	< 0.01 U
AOI 32	MW-0629-S3	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0011 J	< 0.01 U
AOI 32	MW-0629-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	**0.0074**	< 0.01 U
AOI 32	MW-0709-S2	10/9/2007		< 0.005 U	< 0.005 U	**0.0466**	0.409	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0709-S2	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 32	MW-0803-S3	6/18/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0052**	< 0.01 U
AOI 32	MW-0803-S3	8/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	**0.0044**	< 0.01 U
AOI 32	MW-0803-S3	9/16/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.008**	< 0.01 U
AOI 32	MW-0803-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	**0.0091**	< 0.01 U
AOI 32	MW-0803-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	**0.0079**	< 0.01 U
AOI 33	MW-0634-S2B	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 33	MW-0634-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	< 0.01 U
AOI 40	MW-0104-S2	5/17/2001	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	NA
AOI 40	MW-0104-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	NA
AOI 40	MW-0104-S2	12/13/2001	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	NA
AOI 40	MW-0104-S2	12/13/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	NA
AOI 40	MW-0104-S2	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	NA
AOI 40	MW-0104-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0104-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	< 0.01 U
AOI 40	MW-0104-S2	2/27/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 40	MW-0104-S2	1/31/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0104-S2	1/31/2007	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0104-S2	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0105-S2	5/16/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 40	MW-0105-S2	8/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0105-S2	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0106-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	NA
AOI 40	MW-0106-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0106-S2	8/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0106-S2	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0106-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	< 0.01 U
AOI 40	MW-0107-S2	5/16/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 40	MW-0107-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0107-S2	8/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0107-S2	1/19/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0107-S2	5/13/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0116-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0116-S2	8/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0116-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	< 0.01 U
AOI 40	MW-0116-S2	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	< 0.01 U
AOI 40	MW-0522-S2A	11/17/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0522-S2A	1/13/2006	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	< 0.01 U
AOI 40	MW-0522-S2A	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	< 0.01 U
AOI 40	MW-0522-S2A	10/10/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0522-S2A	5/12/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0522-S2B	11/17/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0522-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	< 0.01 U
AOI 40	MW-0522-S2B	5/12/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0523-S2	11/16/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0017 J	< 0.002 U	< 0.01 U
AOI 40	MW-0523-S2	12/2/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0523-S2	1/17/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0523-S2	10/10/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0524-S2A	11/17/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0524-S2A	1/17/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0524-S2A	10/11/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0524-S2A	5/12/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0524-S2B	11/16/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0524-S2B	1/17/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0524-S2B	5/12/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0525-S2	11/16/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0525-S2	1/17/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0525-S2	5/15/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0526-S2B	11/17/2005	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	< 0.01 U
AOI 40	MW-0526-S2B	11/17/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0526-S2B	1/17/2006	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	< 0.01 U
AOI 40	MW-0526-S2B	1/17/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-0623-S2A	5/12/2008		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-0624-S2B	2/5/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-16-S2	6/1/1992		NA	NA	< U	< U	NA	< U	< U	NA	0.008
AOI 40	MW-16-S2	8/30/1995		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-16-S2	9/28/2000	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	0.006	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 40	MW-16-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 40	MW-16-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	NA
AOI 40	MW-16-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-16-S2	8/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-24-S2A	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 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	< 0.1 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.02 U	< 0.05 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	NA
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	NA
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	NA
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	NA
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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 40	MW-28-S2	5/16/2001		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.02 U	NA
AOI 40	MW-28-S2	1/20/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-30-S2	5/16/2001		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.002 U	NA
AOI 40	MW-30-S2	3/13/2002	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-30-S2	3/13/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-30-S2	8/14/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-30-S2	11/17/2004		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-30-S2	1/20/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-31-S2	5/16/2001		< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	< 0.025 U	NA
AOI 40	MW-31-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-31-S2	8/14/2002	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-31-S2	8/14/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-31-S2	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 40	MW-31-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	< 0.01 U
AOI 40	MW-31-S2	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	< 0.01 U
AOI 40	MW-32-S2	5/18/2001		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	NA
AOI 40	MW-32-S2	3/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-32-S2	8/15/2002		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-32-S2	11/17/2004		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-33-S2	5/16/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 40	MW-33-S2	1/20/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	MW-34-S2	5/16/2001		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	NA
AOI 40	MW-34-S2	1/20/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 40	OSBW-1	9/29/2000		< 0.05 U	< 0.05 U	< 0.05 U	< 0.1 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.02 U	< 0.05 U
AOI 40	OSBW-2	9/29/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 41	MW-12-S1	6/1/1992		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 41	MW-12-S1	9/29/2000		< 0.005 U	< 0.005 U	< 0.005 U	0.032	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 41	MW-12-S1	5/18/2001		< 0.005 U	< 0.005 U	< 0.005 U	0.096	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 41	MW-12-S1	5/18/2001	FD	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	0.09 J	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.002 UJ	NA
AOI 41	MW-12-S1	11/1/2001		< 0.005 U	< 0.005 U	< 0.005 U	0.35	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 41	MW-12-S1	3/15/2002		< 0.005 U	< 0.005 UJ	**0.014**	0.5	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 41	MW-12-S1	5/23/2002		< 0.005 R	< 0.005 U	**0.007**	2.8	< 0.005 U	< 0.005 U	< 0.005 U	**0.01 J**	< 0.01 U
AOI 41	MW-12-S1	9/27/2002	FD	< 0.005 R	< 0.005 U	**0.027**	0.77	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 41	MW-12-S1	9/27/2002		< 0.005 R	< 0.005 U	**0.026**	0.78	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 41	MW-12-S1	11/19/2002		< 0.05 U	< 0.05 U	< 0.05 U	1.1 J	< 0.05 U	< 0.05 U	< 0.05 U	< 0.02 U	< 0.1 U
AOI 41	MW-12-S1	11/20/2003		< 0.005 U	< 0.005 U	**0.042**	4.8	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 41	MW-12-S1	5/19/2004		< 0.005 U	< 0.005 U	**0.046**	15	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 41	MW-12-S1	11/17/2004		< 0.005 U	< 0.005 U	**0.064**	16	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 41	MW-12-S1	3/2/2006		< 0.005 U	< 0.005 U	**0.039**	5.9	< 0.005 U	< 0.005 U	< 0.005 U	**0.0039**	0.0013 J
AOI 42	MW-0635-S2A	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0635-S2A	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0635-S2A	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	< 0.01 U
AOI 42	MW-0635-S3	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0635-S3	10/9/2007	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	< 0.01 U
AOI 42	MW-0635-S3	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0635-S3	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	< 0.01 U
AOI 42	MW-0636-S2A	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.169**	**0.0564**	**0.0141**	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S2A	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0096**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S2A	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.067	**0.0331**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S2A	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.163**	**0.0896**	**0.0057**	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S2B	1/30/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0091	**7.11**	**0.0153**	< 0.002 U	0.0019 J
AOI 42	MW-0636-S2B	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0149	**0.0232**	**0.0054**	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S2B	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.17**	**2.83**	**0.158**	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S2B	5/14/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	**0.0755**	**4.63**	**0.206**	< 0.02 U	< 0.1 U
AOI 42	MW-0636-S3	1/31/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.005	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S3	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0629	**0.0199**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S3	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.007**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S3	5/14/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0052	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0636-S3	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.005	0.0039 J	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0804-S2A	6/19/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.51**	**1.03**	**0.284**	< 0.002 U	< 0.01 U
AOI 42	MW-0804-S2A	6/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.51**	**1**	**0.283**	< 0.002 U	< 0.01 U
AOI 42	MW-0804-S2A	10/30/2008		0.0056	< 0.005 U	< 0.005 U	< 0.005 U	**2.22**	**0.764**	**0.569**	< 0.002 U	< 0.01 U
AOI 42	MW-0805-S2B	6/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0805-S2B	10/30/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 42	MW-0805-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	< 0.01 U
AOI 42	MW-0808-S2A	6/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0808-S2A	10/30/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 42	MW-0808-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	< 0.01 U
AOI 42	PZ-42-0702-S2A	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0612-S2B	3/3/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0612-S2B	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0021 J	< 0.002 U	< 0.01 U
AOI 43	MW-0613-S2A	3/3/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0613-S2A	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	< 0.01 U
AOI 43	MW-0613-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	< 0.01 U
AOI 43	MW-0614-S2B	3/3/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0614-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	< 0.01 U
AOI 43	MW-0614-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	< 0.01 U
AOI 43	MW-0637-S2B	1/31/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0637-S2B	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0637-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	< 0.01 U
AOI 43	MW-0637-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	< 0.01 U
AOI 43	MW-0637-S3	1/31/2007	FD	NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 43	MW-0637-S3	1/31/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0637-S3	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0637-S3	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	< 0.01 U
AOI 43	MW-0707-S2B	10/26/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0707-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	< 0.01 U
AOI 43	MW-0707-S2B	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.007**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0708-S2A	10/26/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.69**	**0.0392**	**2.22**	< 0.002 U	< 0.01 U
AOI 43	MW-0708-S2A	5/14/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	**1.53**	**0.0562**	**2.7**	< 0.02 U	< 0.1 U
AOI 43	MW-0806-S2A	6/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0806-S2A	10/30/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0807-S2A	6/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0807-S2A	10/30/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 43	MW-0807-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	< 0.01 U
AOI 43	MW-0812-S2A	4/6/2009	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	< 0.01 U
AOI 43	MW-0812-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	< 0.01 U
AOI 43	MW-0813-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	< 0.01 U
AOI 46	MW-0638-S2B	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 46	MW-0638-S2B	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 46	MW-0638-S2B	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0073 U	0.0024 J	< 0.002 U	< 0.01 U
AOI 50	MW-10-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 50	MW-10-S2	3/3/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 51	MW-0101-S2B	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	NA
AOI 51	MW-0101-S2B	11/1/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0101-S2B	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.035**	**0.016**	< 0.002 U	< 0.01 U
AOI 51	MW-0101-S2B	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**2**	**0.062**	< 0.002 U	< 0.01 U
AOI 51	MW-0101-S2B	1/8/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0069	< 0.005 U	**0.0051**	< 0.002 U	< 0.01 U
AOI 51	MW-0101-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	< 0.01 U
AOI 51	MW-0101-S2B	5/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**2.9**	**0.039**	< 0.002 U	< 0.01 U
AOI 51	MW-0101-S2B	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.014	**2.2**	**0.038**	< 0.002 U	< 0.01 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	NA
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	NA
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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0108-S2B	11/1/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.055	**16**	**0.8**	**0.0044**	NA
AOI 51	MW-0108-S2B	3/18/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.075**	**14**	**0.63**	**0.0076**	NA
AOI 51	MW-0108-S2B	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.11**	**8.6**	**0.71**	**0.0058**	< 0.01 U
AOI 51	MW-0108-S2B	5/22/2003	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.043	**9.7**	**0.42**	< 0.002 U	< 0.01 U
AOI 51	MW-0108-S2B	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.048	**7.4**	**0.43**	< 0.002 U	< 0.01 U
AOI 51	MW-0108-S2B	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.086**	**2.1**	**0.85**	< 0.002 U	< 0.01 U
AOI 51	MW-0108-S2B	5/18/2004	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.03	**12**	**0.25**	**0.019**	< 0.01 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 51	MW-0108-S2B	5/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.027	**14**	**0.22**	**0.019**	< 0.01 U
AOI 51	MW-0108-S2B	11/17/2004		0.0053	< 0.005 U	< 0.005 U	0.021	0.023	**9**	**0.47**	**0.022**	< 0.01 U
AOI 51	MW-0108-S2B	11/18/2004	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.011**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0108-S2B	6/29/2005	FD	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	**8.4**	**0.58**	< 0.1 U	< 0.5 U
AOI 51	MW-0108-S2B	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.12**	**9**	**0.65**	**0.025**	< 0.01 U
AOI 51	MW-0108-S2B	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.032	**4.7**	**0.28**	**0.019**	< 0.01 U
AOI 51	MW-0109-S2B	11/2/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0055**	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0109-S2B	3/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.013**	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0109-S2B	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.013**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0109-S2B	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.017**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0109-S2B	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	< 0.01 U
AOI 51	MW-0109-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	**0.0035**	< 0.01 U
AOI 51	MW-0109-S2B	11/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.014**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0109-S2B	5/14/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	**4.21**	**0.234**	< 0.02 U	< 0.1 U
AOI 51	MW-0110-S2A	11/2/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0033**	NA
AOI 51	MW-0110-S2A	3/18/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0110-S2A	8/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0110-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	< 0.01 U
AOI 51	MW-0110-S2A	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0111-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	NA
AOI 51	MW-0111-S2	3/15/2002		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0111-S2	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 51	MW-0111-S2	8/13/2002	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	< 0.01 U
AOI 51	MW-0111-S2	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0111-S2	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 51	MW-0111-S2	11/19/2002	FD	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 51	MW-0201-S2A	3/18/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0201-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	< 0.01 U
AOI 51	MW-0201-S2A	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0201-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	< 0.01 U
AOI 51	MW-0201-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	< 0.01 U
AOI 51	MW-0201-S3	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	NA
AOI 51	MW-0201-S3	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	< 0.01 U
AOI 51	MW-0201-S3	5/23/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0201-S3	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	< 0.01 U
AOI 51	MW-0201-S3	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	< 0.01 U
AOI 51	MW-0201-S3	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0201-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	< 0.01 U
AOI 51	MW-0201-S3	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0201-S3	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	< 0.01 U
AOI 51	MW-0202-S2A	3/15/2002		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-S2A	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-S2A	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	< 0.01 U
AOI 51	MW-0202-S2A	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0202-S2B	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.015	**0.011 J**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0202-S2B	1/31/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.012	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 U
AOI 51	MW-0202-S2B	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.011	< 0.005 U	< 0.005 U	**0.0034**	< 0.01 U
AOI 51	MW-0202-S2B	6/21/2007	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	< 0.01 U
AOI 51	MW-0202-S2B	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0202-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.01	< 0.005 U	< 0.005 U	**0.0034**	< 0.01 U
AOI 51	MW-0202-S3	3/15/2002		< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 51	MW-0202-S3	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	< 0.01 U
AOI 51	MW-0202-S3	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	< 0.01 U
AOI 51	MW-0202-S3	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	< 0.01 U
AOI 51	MW-0202-S3	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	< 0.01 U
AOI 51	MW-0202-S3	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0202-S3	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	< 0.01 U
AOI 51	MW-0202-S3	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0104	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0202-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0092 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 51	MW-0202-S3	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0102	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0202-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	< 0.01 U
AOI 51	MW-0209-S2B	6/27/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	4.3 J	0.057	< 0.002 U	< 0.01 UJ
AOI 51	MW-0209-S2B	8/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.025	2.6	0.11	< 0.002 U	< 0.01 U
AOI 51	MW-0209-S2B	8/15/2002	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.025	2.8 J	0.12	< 0.002 U	< 0.01 U
AOI 51	MW-0209-S2B	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	7.8	0.18	< 0.002 U	< 0.01 U
AOI 51	MW-0209-S2B	11/20/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0063	7.4	0.17	0.0065	< 0.01 U
AOI 51	MW-0209-S2B	11/20/2003	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0065	8	0.18	0.0074	< 0.01 U
AOI 51	MW-0209-S2B	5/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0083	< 0.005 U	0.0041	< 0.01 U
AOI 51	MW-0209-S2B	11/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	11	0.27	< 0.002 U	< 0.01 U
AOI 51	MW-0209-S2B	6/29/2005		< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	5.5	< 0.25 U	< 0.1 U	< 0.5 U
AOI 51	MW-0209-S2B	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0022 J	2.5	0.185	< 0.002 U	< 0.01 U
AOI 51	MW-0210-S3	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 51	MW-0210-S3	8/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.023	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0210-S3	5/22/2003		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.014	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0210-S3	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	< 0.01 U
AOI 51	MW-0210-S3	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	< 0.01 U
AOI 51	MW-0210-S3	11/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.018	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0210-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	< 0.01 U
AOI 51	MW-0210-S3	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	< 0.01 U
AOI 51	MW-0210-S3	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	< 0.01 U
AOI 51	MW-0210-S3	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	< 0.01 U
AOI 51	MW-0401-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	< 0.01 U
AOI 51	MW-0401-S2B	5/15/2008	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	< 0.01 U
AOI 51	MW-0401-S2B	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S2B	2/26/2004		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	7.2	0.093	< 0.02 U	< 0.1 U
AOI 51	MW-0402-S2B	5/19/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.1	2.5	1.2	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S2B	11/11/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.18	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S2B	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.28	1.8	0.28	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S2B	1/25/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.23	0.56	0.16	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S2B	2/24/2006		0.0029 J	NA	< 0.005 U	< 0.005 U	NA	2.5	0.69	0.0014 J	NA
AOI 51	MW-0402-S2B	2/24/2006		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 51	MW-0402-S2B	5/15/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	0.213	8.07	0.428	< 0.02 U	< 0.1 U
AOI 51	MW-0402-S3	1/21/2005	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.29	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S3	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.26	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S3	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.022	0.016	0.006	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S3	1/25/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0402-S3	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0403-S2B	2/26/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.039	0.34	0.065	< 0.002 U	< 0.01 U
AOI 51	MW-0403-S2B	5/18/2004		0.047	< 0.005 U	< 0.005 U	< 0.005 U	0.085	5.9	0.65	0.018	< 0.01 U
AOI 51	MW-0403-S2B	11/12/2004		0.036	< 0.005 U	< 0.005 U	< 0.005 U	0.048	20	< 0.005 U	0.024	< 0.01 U
AOI 51	MW-0403-S2B	6/28/2005		< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	30	0.7	< 0.2 U	< 1 U
AOI 51	MW-0403-S2B	5/13/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.181 U	48.8	1.66	< 0.0368 U	< 0.1 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	< 0.01 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	< 0.01 U
AOI 51	MW-0404-S2B	11/12/2004		0.0082	< 0.005 U	< 0.005 U	< 0.005 U	0.024	0.35	< 0.005 U	0.0042	< 0.01 U
AOI 51	MW-0404-S2B	5/14/2008		< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	8.53	0.266	< 0.02 U	< 0.1 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	< 0.01 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	< 0.01 U
AOI 51	MW-0406-S2B	11/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0406-S2B	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0406-S2B	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0072	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0406-S2B	4/10/2009	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0073	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0409-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	< 0.002 U	< 0.01 U
AOI 51	MW-0409-S2B	11/12/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.012	0.016	< 0.005 U	0.012	< 0.01 U
AOI 51	MW-0409-S2B	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0057	0.011	< 0.005 U	0.011	< 0.01 U
AOI 51	MW-0409-S2B	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.016	0.003 J	< 0.005 U	0.017	< 0.01 U
AOI 51	MW-0409-S2B	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0396	< 0.005 U	< 0.005 U	0.0133	< 0.01 U
AOI 51	MW-0409-S2B	5/14/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0558	< 0.005 U	< 0.005 U	0.0144	< 0.01 U
AOI 51	MW-0409-S2B	10/29/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0978	< 0.005 U	< 0.005 U	0.0484	< 0.01 U
AOI 51	MW-0409-S2B	10/29/2008		0.0053	< 0.005 U	< 0.005 U	< 0.005 U	0.114	< 0.005 U	< 0.005 U	0.0564	< 0.01 U
AOI 51	MW-0409-S3	1/19/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 U
AOI 51	MW-0409-S3	1/11/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0011 J	< 0.005 U	< 0.005 U	0.0055	< 0.01 U
AOI 51	MW-0409-S3	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.007	< 0.005 U	< 0.005 U	0.0179	< 0.01 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
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	< 0.01 U
AOI 51	MW-0414-S2A/S2B	1/21/2005		< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	13	0.47	< 0.1 U	< 0.5 U
AOI 51	MW-0414-S2A/S2B	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.37	0.39	0.12	< 0.002 U	< 0.01 U
AOI 51	MW-0414-S2A/S2B	1/25/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.023	0.35	0.067	< 0.002 U	< 0.01 U
AOI 51	MW-0414-S2A/S2B	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0099	0.793	0.157	< 0.002 U	< 0.01 U
AOI 51	MW-0414-S3	1/21/2005		< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	92	0.48 J	< 0.4 U	< 2 U
AOI 51	MW-0414-S3	6/29/2005		< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	81	2.1	< 0.2 U	< 1 U
AOI 51	MW-0414-S3	1/25/2006		0.014	< 0.005 U	0.002 J	< 0.005 U	0.37	53	1.8	< 0.002 U	0.0011 J
AOI 51	MW-0414-S3	5/15/2008		< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	7.85	44.1	14.9	< 0.1 U	< 0.5 U
AOI 51	MW-0416-S2A	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	0.045	0.025	0.0097	0.02	< 0.01 U
AOI 51	MW-0416-S2A	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.15	0.011	< 0.005 U	0.04	< 0.01 U
AOI 51	MW-0416-S2A	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0039 J	0.0174	0.004 J	0.0055	< 0.01 U
AOI 51	MW-0417-S3	11/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0071	27	0.12	< 0.002 U	< 0.01 U
AOI 51	MW-0417-S3	1/31/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.049	1.4	0.11	< 0.002 U	< 0.01 U
AOI 51	MW-0417-S3	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.079	0.27	0.11	< 0.002 U	< 0.01 U
AOI 51	MW-0417-S3	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.045	0.12	0.081	< 0.002 U	< 0.01 U
AOI 51	MW-0417-S3	5/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.203 U	0.636	0.632	< 0.002 U	< 0.01 U
AOI 51	MW-0417-S4	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	< 0.01 U
AOI 51	MW-0417-S4	6/30/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0417-S4	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	< 0.01 U
AOI 51	MW-0418-S2A	11/18/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.014	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0418-S2A	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.018	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0418-S2A	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.018	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0418-S2A	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0108	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0418-S3	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 U
AOI 51	MW-0418-S3	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0418-S3	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.36	0.0118	< 0.002 U	< 0.01 U
AOI 51	MW-0419-S2B	1/19/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U
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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0419-S3	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	< 0.01 U
AOI 51	MW-0419-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	< 0.01 U
AOI 51	MW-0419-S3	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	< 0.01 U
AOI 51	MW-0419-S3	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	< 0.01 U
AOI 51	MW-0419-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	< 0.01 U
AOI 51	MW-0420-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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0420-S3	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	< 0.01 U
AOI 51	MW-0420-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	< 0.01 U
AOI 51	MW-0420-S3	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	< 0.01 U
AOI 51	MW-0420-S3	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	< 0.01 U
AOI 51	MW-0420-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	< 0.01 U
AOI 51	MW-0421-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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0421-S3	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	< 0.01 U
AOI 51	MW-0421-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	< 0.01 U
AOI 51	MW-0421-S3	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	< 0.01 U
AOI 51	MW-0421-S3	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	< 0.01 U
AOI 51	MW-0421-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	< 0.01 U
AOI 51	MW-0423-S2A	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	0.11	< 0.005 U	0.0058	< 0.01 U
AOI 51	MW-0423-S2A	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.04	< 0.005 U	0.0061	< 0.01 U
AOI 51	MW-0423-S2A	1/24/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.018	< 0.005 U	0.0036	< 0.01 U
AOI 51	MW-0423-S2A	1/24/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.017	< 0.005 U	0.0031	< 0.01 U
AOI 51	MW-0423-S2A	2/1/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0092	0.0019 J	0.0025	< 0.01 U
AOI 51	MW-0423-S2A	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0109	0.0041 J	0.0076	< 0.01 U

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 51	MW-0424-S2A	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.096**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0424-S2A	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.025	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0424-S2A	1/24/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.015	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0424-S2A	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0064	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0425-S2A	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0077	**0.068**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0425-S2A	6/29/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.013	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0425-S2A	1/24/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0085	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0425-S2A	5/15/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0034 J	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-0426-S2B	1/21/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 U
AOI 51	MW-0426-S2B	1/23/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0427-S2B	1/20/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	**1.5**	**0.047**	0.002	< 0.01 U
AOI 51	MW-0427-S2B	6/28/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.56**	**0.014**	**0.0035**	< 0.01 U
AOI 51	MW-0427-S2B	10/28/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0074	**1.12**	**0.0495**	**0.0065**	< 0.01 U
AOI 51	MW-0817-S2B	11/12/2008		< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-0818-S3	11/11/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 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	< 0.01 U
AOI 51	MW-8-S2B	6/1/1992		NA	NA	NA	NA	NA	< 0.005 U	NA	NA	NA
AOI 51	MW-8-S2B	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-8-S2B	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	**2.8**	**0.067**	< 0.002 U	< 0.005 U
AOI 51	MW-8-S2B	5/17/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.9**	**0.061**	< 0.002 U	NA
AOI 51	MW-8-S2B	11/2/2001		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.8**	**0.085**	< 0.002 U	NA
AOI 51	MW-8-S2B	3/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.013**	< 0.005 U	< 0.002 U	NA
AOI 51	MW-S2-0601	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	0.021	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 U
AOI 51	MW-S2A-0501	8/19/2008		< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	**1.37 J**	**0.0113 J**	< 0.002 UJ	< 0.01 UJ
AOI 51	MW-S2A-0501	9/16/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.503**	**0.0149**	< 0.002 U	< 0.01 U
AOI 51	MW-S2A-0501	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**1.05**	**0.0067**	< 0.002 U	< 0.01 U
AOI 51	MW-S2B-0501	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0072	< 0.005 U	< 0.005 U	**0.0059**	< 0.01 U
AOI 51	MW-S2B-0501	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0106	< 0.005 U	< 0.005 U	**0.0089**	< 0.01 U
AOI 51	MW-S2B-0501	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0122	< 0.005 U	< 0.005 U	**0.0149**	< 0.01 U
AOI 51	MW-S2B-0501	8/19/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	0.0074	< 0.005 U	< 0.005 U	**0.006**	< 0.01 U
AOI 51	MW-S2B-0501	9/16/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0089	< 0.005 U	< 0.005 U	**0.0124**	< 0.01 U
AOI 51	MW-S2B-0501	10/29/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0154	< 0.005 U	< 0.005 U	**0.0293**	< 0.01 U
AOI 51	MW-S2B-0501	4/6/2009		0.0052	< 0.005 U	< 0.005 U	< 0.005 U	**0.0719**	< 0.005 U	< 0.005 U	**0.0339**	< 0.01 U
AOI 51	MW-S3-0501	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0024 J	0.0032 J	0.0013 J	< 0.002 U	< 0.01 U
AOI 51	MW-S3-0501	6/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0389**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-S3-0501	5/14/2008		0.0059	< 0.005 U	< 0.005 U	< 0.005 U	0.003 J	**0.162**	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-S3-0501	4/10/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0025 J	**0.0781**	**0.0418**	**0.0034**	< 0.01 U
AOI 51	MW-S3-0601	10/27/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	0.021 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-S3-0601	10/27/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 51	MW-S3-0601	6/21/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 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	< 0.01 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	< 0.01 U
AOI 53	MW-0203-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 53	MW-0203-S2A	2/1/2007		NA	NA	NA	NA	NA	NA	NA	NA	NA
AOI 53	MW-0205-S2A	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 53	MW-0205-S2A	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 53	MW-0205-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 53	MW-0206-S2A	5/23/2002	FD	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 53	MW-0206-S2A	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 53	MW-0206-S2A	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 53	MW-0206-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 53	MW-0207-S2B	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 53	MW-0207-S2B	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 53	MW-0207-S2B	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ
AOI 53	MW-0208-S2A	5/23/2002		< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 R	< 0.01 U
AOI 53	MW-0208-S2A	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
AOI 53	MW-0208-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 R	< 0.005 UJ	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 UJ

Table 2. Groundwater VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	1,1-Dichloroethene mg/L	1,2-Dibromoethane (Ethylene Dibromide) mg/L	Benzene mg/L	Chloroethane mg/L	cis-1,2-Dichloroethene mg/L	Tetrachloroethene mg/L	Trichloroethene mg/L	Vinyl chloride mg/L	Xylene (total) mg/L
AOI 53	MW-25-S2	8/30/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-25-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 53	MW-25-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	NA
AOI 53	MW-25-S2	3/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	NA
AOI 54	MW-7-S2	6/1/1992		NA	NA	NA	NA	NA	< U	NA	NA	NA
AOI 54	MW-7-S2	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
AOI 54	MW-7-S2	9/28/2000		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.005 U
AOI 54	MW-7-S2	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	NA
AOI 54	MW-7-S2	2/28/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0701-S2	10/10/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0701-S2	5/14/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0701-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0053	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0704-S2	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0622	< 0.005 U	< 0.005 U	**0.129**	< 0.01 U
Perimeter	MW-0704-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0966**	< 0.005 U	< 0.005 U	**0.185**	< 0.01 U
Perimeter	MW-0705-S2	10/9/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.132**	< 0.005 U	**0.0723**	< 0.002 U	< 0.01 U
Perimeter	MW-0705-S2	5/12/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.0688 U	< 0.005 U	< 0.0631 U	< 0.002 U	< 0.01 U
Perimeter	MW-0705-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0347	< 0.005 U	**0.0931**	< 0.002 U	< 0.01 U
Perimeter	MW-0802-S2	6/18/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.706**	< 0.005 U	< 0.005 U	**0.118**	< 0.01 U
Perimeter	MW-0802-S2	8/19/2008	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 UJ	**0.616**	< 0.005 U	< 0.005 U	**0.0383**	< 0.01 U
Perimeter	MW-0802-S2	8/19/2008		< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	**0.564 J**	< 0.005 UJ	< 0.005 UJ	**0.0377 J**	< 0.01 UJ
Perimeter	MW-0802-S2	9/16/2008		**0.0076**	< 0.005 U	< 0.005 U	< 0.005 U	**0.712**	< 0.005 U	< 0.005 U	**0.0919**	< 0.01 U
Perimeter	MW-0802-S2	9/16/2008	FD	**0.0072**	< 0.005 U	< 0.005 U	< 0.005 U	**0.749**	< 0.005 U	< 0.005 U	**0.0894**	< 0.01 U
Perimeter	MW-0802-S2	10/29/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.474**	< 0.005 U	< 0.005 U	**0.0096**	< 0.01 U
Perimeter	MW-0802-S2	4/9/2009	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.184**	0.0025 J	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0802-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.184**	0.0025 J	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0809-S2	11/11/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.283**	< 0.005 U	**0.0396**	**0.0083**	< 0.01 U
Perimeter	MW-0809-S2	4/9/2009		**0.0081**	< 0.005 U	< 0.005 U	< 0.005 U	**0.65**	< 0.005 U	**0.0577**	**0.0135**	< 0.01 U
Perimeter	MW-0810-S2	11/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0083	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0810-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0811-S2	11/13/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-0811-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Perimeter	MW-17-S2	6/1/1992	FD	NA	NA	< 0.005 U	< 0.01 U	NA	< 0.005 U	< 0.005 U	NA	< 0.005 U
Perimeter	MW-17-S2	6/1/1992		NA	NA	< 0.0016 U	< 0.0015 U	NA	< U	< U	NA	< U
Perimeter	MW-2-4-S2	4/9/2009		**0.0838**	< 0.005 U	< 0.005 U	< 0.005 U	**1.59**	< 0.005 U	**0.178**	**0.388**	0.0167
Perimeter	MW2-4-S2	4/14/2000		NA	< 0.005 U	< 0.005 U	< 0.005 U	**2.9**	< 0.005 U	**1.1**	NA	NA
Perimeter	MW2-4-S2	1/9/2006		**0.09**	< 0.005 U	< 0.005 U	< 0.005 U	**1.7**	< 0.005 U	**0.38**	**0.2**	< 0.01 U
Perimeter	MW2-4-S2	5/12/2008		**0.0663**	< 0.005 U	< 0.005 U	< 0.005 U	**1.27**	< 0.005 U	**0.152**	**0.311**	< 0.01 U
Perimeter	MW2-4-S2	5/12/2008	FD	**0.064**	< 0.005 U	< 0.005 U	< 0.005 U	**1.26**	< 0.005 U	**0.152**	**0.313**	< 0.01 U
Perimeter	PZ-0801-S2	6/18/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.396**	< 0.005 U	**0.198**	**0.0117**	< 0.01 U
Perimeter	PZ-0801-S2	4/9/2009		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.184**	< 0.005 U	**0.168**	**0.0042**	< 0.01 U
Plant 1	MW-1	2/19/1997		NA	NA	< 0.005 U	NA	NA	NA	NA	NA	< 0.005 U
Production Well	PW-07-A	7/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Production Well	PW-10-S3	7/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Production Well	PW-11-S4	7/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Production Well	PW-12-S4	9/15/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
Production Well	PW-12-S4	7/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
Production Well	PW-2-S3	8/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.063	< 0.005 U	< 0.005 U	**0.0096**	< 0.01 U
Production Well	PW-2-S3	4/21/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.069 J	< 0.005 U	< 0.005 U	**0.018**	< 0.01 U
Production Well	PW-2-S3	2/5/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	0.0198	< 0.005 U	< 0.005 U	**0.0077**	< 0.01 U
Production Well	PW-2-S3	7/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	**0.0849**	< 0.005 U	< 0.005 U	**0.0297**	< 0.01 U
Production Well	PW-5-S4	9/15/1995		< 0.005 U	< 0.005 U	< 0.005 U	< 0.01 U	< 0.005 U	NA	< 0.005 U	< 0.005 U	< 0.005 U
Production Well	PW-5-S4	7/20/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.002 U	< 0.01 U
	Drinking Water Criteria (MCL or Region 9)			**.007**		**.005**		**.07**	**.005**	**.005**	**.002**	**10**

NOTES:
Concentrations exceeding the Drinking Water Criteria are highlighted green
mg/L- milligram per liter
U- Not detected above laboratory reporting limits
J - Estimated value
R - Rejected value
UJ - Not detected above laboratory reporting limits, value is estimated
NA - Not analyzed
MCL - Maximum Contaminant Levels

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 01	MW-0620-S1	2/6/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 01	MW-0621-S1	2/6/2007		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 01	MW-0649-S1	2/6/2007		0.0013 J	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	0.0026 J
AOI 02	LFMW-1	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	LFMW-1	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02	LFMW-1	10/9/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 02	LFMW-2	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	LFMW-2	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02	LFMW-2	10/9/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 02	LFMW-3	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	LFMW-3	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02	LFMW-3	10/9/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 02	LFMW-4	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	LFMW-4	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02	LFMW-4	10/9/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 02	LFMW-5	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	LFMW-5	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02	LFMW-5	10/9/2001		NA	0.0024	**0.0083**	0.0083	0.0037	0.00041
AOI 02	LFMW-6	6/1/1992	FD	< 0.019 U	NA	NA	NA	NA	< 0.019 U
AOI 02	LFMW-6	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	LFMW-6	10/9/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 02	MW-0408-S2	5/19/2004		< 0.0012 U	< 0.00012 U	< 0.00012 U	< 0.00012 U	< 0.00012 U	< 0.0012 U
AOI 02	MW-0408-S2	2/28/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 02	MW-0408-S2	2/6/2007		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 02	MW-0601-S2A	3/1/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 02	MW-0601-S2A	3/1/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 02	MW-0601-S2A	2/2/2007	FD	< 0.0056 U	0.0022 J	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 02	MW-0601-S2A	2/2/2007		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 02	MW-0601-S2A	10/10/2007		< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U
AOI 02	MW-0601-S2A	10/10/2007	FD	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U
AOI 02	MW-0601-S2A	5/15/2008		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 02	MW-0601-S2B	3/1/2006		< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ
AOI 02	MW-0601-S2B	2/2/2007		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 02	MW-14-S2	6/1/1992		< U	NA	NA	NA	NA	< U
AOI 02	MW-14-S2	9/28/2000		< 0.01 U	< 0.01 U	**0.01**	0.014	< 0.01 U	< 0.01 U
AOI 02	MW-14-S2	10/9/2001		NA	0.00028	**0.00059**	0.00043	< 0.00013 U	0.014
AOI 02	MW-21-S2	8/31/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02	MW-22-S2	8/31/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02-01	MW-6-S2	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02-01	MW-6-S2	10/18/1999		< 0.01 U	< 0.00013 U	< 0.0002 U	< 0.00018 U	< 0.0003 U	< 0.01 U
AOI 02-01	MW-6-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U
AOI 02-02	MW-0702-S2	5/15/2008	FD	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 02-02	MW-0702-S2	5/15/2008		< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
AOI 02-02	MW-0702-S2	4/9/2009	FD	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 02-02	MW-0702-S2	4/9/2009		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 02-02	MW2-2-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 02-02	MW-5-S2	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02-03	MW2-3-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U
AOI 02-03	MW2-3-S2	5/13/2008		< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
AOI 02-03	MW2-3-S2	4/9/2009		< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
AOI 02-04	MW-0616-S2	1/27/2006	FD	< 0.0065 UJ	< 0.0065 UJ	< 0.0065 UJ	< 0.0065 UJ	< 0.0065 UJ	< 0.0065 UJ
AOI 02-04	MW-0616-S2	1/27/2006		< 0.0062 UJ	< 0.0062 UJ	< 0.0062 UJ	< 0.0062 UJ	< 0.0062 UJ	< 0.0062 UJ
AOI 02-04	MW-0616-S2	1/29/2007		< 0.0054 UJ	< 0.0054 UJ	< 0.0054 UJ	< 0.0054 UJ	< 0.0054 UJ	< 0.0054 UJ
AOI 02-04	MW-0617-S2	1/26/2006		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 02-04	MW-0642-S2	1/30/2007		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 02-04	MW-3-S2	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 02-04	MW-3-S2	12/9/1999		NA	< 0.000025 U	< 0.000025 U	< 0.000058 U	< 0.00005 U	< 0.005 U
AOI 02-04	MW-3-S2	5/18/2001		NA	0.002	**0.0019**	0.0022	0.00057	< 0.005 U
AOI 02-04	MW-3-S2	7/23/2001		NA	0.00091	**0.0015**	0.0021	0.00063	< 0.00016 U
AOI 02-04	MW-4-S2	10/18/1999		NA	< 0.00013 U	< 0.0002 U	< 0.00018 U	< 0.0003 U	< 0.005 U
AOI 02-04	MW-4-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U
AOI 02-06	MW-2-S2	10/18/1999		NA	< 0.00013 U	< 0.0002 U	< 0.00018 U	< 0.0003 U	< 0.005 U
AOI 02-06	MW-2-S2	4/14/2000	FD	NA	NA	NA	NA	NA	< 0.005 U
AOI 02-06	MW-2-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U
AOI 02-07	MW2-1-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U
AOI 06	MW-0603-S1	3/1/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 06	MW-0603-S1	3/1/2006		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 08	MW-0650-S1	2/6/2007		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 09	MW-13-S2	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 09	MW-13-S2	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 09	MW-23-S2	8/31/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 09	MW-23-S2	9/28/2000	FD	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 09	MW-23-S2	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 13	MW-0652-S1	2/5/2007		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 14	MW-20-S1	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 14	MW-20-S1	9/28/2000	FD	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 14	MW-20-S1	5/17/2001		NA	NA	NA	NA	NA	< 0.005 U
AOI 14	MW-20-S1	3/13/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-2-S1	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 15	MW-3-2-S1	3/13/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 15	MW-3-5-S2	9/28/2000		0.00024	< 0.00013 U	< 0.00023 U	0.00011	< 0.00013 U	< 0.00016 U
AOI 15	MW-3-6-S2	9/28/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 15	MW-3-7-S2	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 15	MW-3-9-S2	9/29/2000		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 19	MW-0204-T	3/14/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 19	MW-0204-T	1/18/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 19	MW-0413-S1	11/23/2004		0.099 J	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	0.017 J
AOI 19	MW-0506-S1	11/18/2005		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 19	MW-0506-S1	2/28/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 19	MW-0507-S1	11/18/2005		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 19	MW-0507-S1	2/28/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 19	MW-0508-S1	11/18/2005	FD	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 19	MW-0508-S1	11/18/2005		< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U	< 0.0058 U
AOI 19	MW-0508-S1	2/27/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 19	MW-0605-S2	2/28/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 19	MW-11-S1	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 19	MW-11-S1	1/18/2006		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 24	MW-9-S1	9/28/2000		0.00051	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 26	MW-0103-S1	5/17/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 26	MW-0103-S1	11/1/2001	FD	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U
AOI 26	MW-0103-S1	11/1/2001		0.031	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U
AOI 26	MW-0103-S1	3/13/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 26	MW-0411-S2	5/19/2004	FD	0.032	< 0.00012 U	< 0.00012 U	< 0.00012 U	< 0.00012 U	0.048
AOI 26	MW-0411-S2	5/19/2004		0.034	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	0.05
AOI 26	MW-0411-S2	11/17/2004		3.5	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	0.62
AOI 26	MW-0411-S2	11/17/2004	FD	3.9	< 0.32 U	< 0.32 U	< 0.32 U	< 0.32 U	0.63
AOI 26	MW-15-S2	9/28/2000		0.0098	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 27	MW-0631-S1	2/5/2007		0.31	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 27	MW-0631-S1	10/11/2007		0.428	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
AOI 31	MW-0632-S2	1/30/2007		0.0074	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
AOI 31	MW-0632-S2	10/10/2007		< 0.0062 U	< 0.0062 U	< 0.0062 U	0.004 J	< 0.0062 U	< 0.0062 U
AOI 31	MW-0632-S2	5/13/2008		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 32	MW-0410-S2	5/18/2004		0.26	0.00021	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.014
AOI 32	MW-0410-S2	11/17/2004		0.017	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 32	MW-0410-S2	6/30/2005	FD	0.0094	0.0002	0.00015	0.00016	< 0.00012 U	0.014
AOI 32	MW-0410-S2	6/30/2005		0.077	< 0.0022 U	< 0.0022 U	< 0.0022 U	< 0.0022 U	0.083
AOI 32	MW-0412-S2	5/18/2004		1.1	0.00013	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.05 U
AOI 32	MW-0412-S2	11/17/2004		0.67	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
AOI 32	MW-0611-S1	2/2/2007		0.044	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 32	MW-0611-S1	5/15/2008		0.0194	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 32	MW-0629-S2	1/30/2007		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 40	MW-0104-S2	5/17/2001		NA	< 0.00065 U	< 0.0011 U	< 0.0005 U	< 0.00065 U	< 0.005 U
AOI 40	MW-0104-S2	5/17/2001	FD	NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 40	MW-0104-S2	12/13/2001	FD	NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-0104-S2	12/13/2001		NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-0104-S2	3/14/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-0104-S2	3/15/2002		0.87	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U	< 0.053 U
AOI 40	MW-0104-S2	11/20/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.0035
AOI 40	MW-0104-S2	5/18/2004		0.035	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.0028
AOI 40	MW-0104-S2	2/27/2006		0.038	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U
AOI 40	MW-0104-S2	1/31/2007		0.0017 J	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0104-S2	1/31/2007	FD	0.0019 J	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	MW-0105-S2	5/16/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 40	MW-0105-S2	8/15/2002		0.096	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0105-S2	2/1/2007		0.0042 J	0.0027 J	**0.0033 J**	0.0096	< 0.0054 U	< 0.0054 U
AOI 40	MW-0106-S2	5/17/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 40	MW-0106-S2	3/15/2002		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 40	MW-0106-S2	8/15/2002		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 40	MW-0106-S2	5/22/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 40	MW-0106-S2	11/21/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 40	MW-0106-S2	5/17/2004		< 0.001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 40	MW-0106-S2	2/1/2007		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0106-S2	5/13/2008		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0107-S2	5/16/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 40	MW-0107-S2	3/15/2002		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-0107-S2	8/15/2002		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0107-S2	5/22/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 40	MW-0107-S2	11/21/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.0016
AOI 40	MW-0107-S2	5/17/2004		< 0.001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.0016
AOI 40	MW-0107-S2	1/19/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	MW-0107-S2	5/13/2008		< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
AOI 40	MW-0116-S2	3/15/2002		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-0116-S2	8/15/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0522-S2A	11/17/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0522-S2A	1/13/2006	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0522-S2A	1/13/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	MW-0522-S2A	10/10/2007		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	MW-0522-S2A	5/12/2008		< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
AOI 40	MW-0522-S2B	11/17/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0522-S2B	1/13/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 40	MW-0522-S2B	5/12/2008		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 40	MW-0523-S2	11/16/2005		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0523-S2	1/17/2006		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 40	MW-0523-S2	10/10/2007		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 40	MW-0524-S2A	11/17/2005		< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U	< 0.006 U
AOI 40	MW-0524-S2A	1/17/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	MW-0524-S2A	10/11/2007		< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
AOI 40	MW-0524-S2A	5/12/2008		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 40	MW-0524-S2B	11/16/2005		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 40	MW-0524-S2B	1/17/2006		< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
AOI 40	MW-0524-S2B	5/12/2008		< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 40	MW-0525-S2	11/16/2005		< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U	< 0.0051 U
AOI 40	MW-0525-S2	1/17/2006		< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
AOI 40	MW-0525-S2	5/15/2008		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0526-S2B	11/17/2005	FD	0.0086	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-0526-S2B	11/17/2005		0.012	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0526-S2B	1/17/2006	FD	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 40	MW-0526-S2B	1/17/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	MW-0623-S2A	5/12/2008		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-0624-S2B	2/5/2007		< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U	< 0.0062 U
AOI 40	MW-16-S2	8/30/1995		0.062	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-16-S2	9/28/2000	FD	< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 40	MW-16-S2	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 40	MW-16-S2	5/17/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 40	MW-16-S2	3/15/2002		< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U
AOI 40	MW-16-S2	8/15/2002		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 40	MW-24-S2A	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-24-S2A	9/28/2000		0.43	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 40	MW-24-S2A	5/17/2001		NA	< 0.0013 U	< 0.0023 U	< 0.001 U	< 0.0013 U	< 0.0016 U
AOI 40	MW-24-S2A	7/23/2001	FD	NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-24-S2A	7/23/2001		NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-24-S2A	3/14/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-24-S2A	3/14/2002	FD	NA	NA	NA	NA	NA	< 0.005 U
AOI 40	MW-28-S2	5/16/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.05 U
AOI 40	MW-28-S2	5/22/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	0.0029
AOI 40	MW-28-S2	1/20/2006		0.091	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-30-S2	5/16/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.01 U
AOI 40	MW-30-S2	3/13/2002	FD	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-30-S2	3/13/2002		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-30-S2	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-30-S2	5/22/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 40	MW-30-S2	5/22/2003	FD	NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 40	MW-30-S2	11/21/2003	FD	NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 40	MW-30-S2	11/21/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 40	MW-30-S2	5/17/2004		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 40	MW-30-S2	11/17/2004		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-30-S2	6/29/2005		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 40	MW-30-S2	1/20/2006		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 40	MW-31-S2	5/16/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.025 U
AOI 40	MW-31-S2	3/15/2002		0.013	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-31-S2	8/14/2002	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-31-S2	8/14/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-32-S2	5/18/2001		NA	< 0.026 U	< 0.046 U	< 0.02 U	< 0.026 U	< 0.05 U
AOI 40	MW-32-S2	3/15/2002		0.45 J	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 40	MW-32-S2	8/15/2002		0.14	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
AOI 40	MW-32-S2	5/22/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.0019
AOI 40	MW-32-S2	11/21/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	0.0016
AOI 40	MW-32-S2	5/17/2004		0.093	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	0.0021
AOI 40	MW-32-S2	11/17/2004		0.24	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 40	MW-32-S2	6/29/2005		0.13	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	0.0055
AOI 40	MW-33-S2	5/16/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	0.13
AOI 40	MW-33-S2	1/20/2006		0.3	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U	< 0.029 U
AOI 40	MW-34-S2	5/16/2001		NA	< 0.00065 U	< 0.0011 U	< 0.0005 U	< 0.00065 U	< 0.05 U
AOI 40	MW-34-S2	1/20/2006		0.024	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 40	OSBW-1	9/29/2000		29	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U
AOI 40	OSBW-2	9/29/2000		0.08	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
AOI 41	MW-12-S1	9/29/2000		14	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1.2 U
AOI 41	MW-12-S1	5/18/2001	FD	NA	< 0.00013 UJ	< 0.00023 UJ	< 0.0001 UJ	< 0.00013 UJ	< 0.005 UJ
AOI 41	MW-12-S1	5/18/2001		NA	< 0.13 U	< 0.23 U	< 0.1 U	< 0.13 U	< 0.005 U
AOI 41	MW-12-S1	11/1/2001		0.31	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U	< 0.011 U
AOI 41	MW-12-S1	3/15/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 43	MW-0612-S2B	3/3/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 43	MW-0613-S2A	3/3/2006		< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U	< 0.0059 U
AOI 43	MW-0614-S2B	3/3/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 43	MW-0637-S2B	1/31/2007		< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U	< 0.0052 U
AOI 43	MW-0637-S3	1/31/2007	FD	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 43	MW-0637-S3	1/31/2007		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 50	MW-10-S2	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 50	MW-10-S2	3/3/2006		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 51	MW-0101-S2B	5/17/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 51	MW-0101-S2B	7/23/2001		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0102-S2	5/17/2001		NA	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.005 U
AOI 51	MW-0108-S2B	3/18/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0109-S2B	3/14/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0110-S2A	3/18/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0111-S2	11/2/2001		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 51	MW-0111-S2	3/15/2002		< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U	< 0.02 U
AOI 51	MW-0111-S2	5/23/2002		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 51	MW-0111-S2	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 51	MW-0111-S2	8/13/2002	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 51	MW-0111-S2	11/19/2002	FD	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 51	MW-0111-S2	11/19/2002		< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U	< 0.0055 U
AOI 51	MW-0111-S2	5/22/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 51	MW-0111-S2	11/19/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 51	MW-0111-S2	5/18/2004		< 0.001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 51	MW-0201-S2A	3/18/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0201-S3	3/14/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0202-S2A	3/15/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0202-S3	3/15/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-0401-S2B	5/18/2004		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 51	MW-0402-S2B	2/24/2006		NA	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 51	MW-0409-S2B	5/18/2004		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 51	MW-8-S2B	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 51	MW-8-S2B	5/17/2001		NA	NA	NA	NA	NA	< 0.005 U
AOI 51	MW-8-S2B	3/14/2002		NA	NA	NA	NA	NA	< 0.005 U
AOI 53	MW-0203-S2A	11/19/2002		< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ	< 0.005 UJ
AOI 53	MW-0203-S2A	5/22/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0203-S2A	11/19/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0203-S2A	5/18/2004		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0203-S2A	2/1/2007		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 53	MW-0205-S2A	5/23/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0205-S2A	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0205-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0205-S2A	5/22/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0205-S2A	11/19/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0205-S2A	5/18/2004		< 0.01 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.01 U
AOI 53	MW-0206-S2A	5/23/2002		< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U	< 0.0054 U
AOI 53	MW-0206-S2A	5/23/2002	FD	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U	< 0.0053 U
AOI 53	MW-0206-S2A	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U

Table 3. Groundwater SVOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring

Area	Location ID	Sample Date	Field Duplicate (FD)	2-Methylnaphthalene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenz(a,h)anthracene	Naphthalene
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
AOI 53	MW-0206-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0206-S2A	5/22/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0206-S2A	11/19/2003	FD	NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0206-S2A	11/19/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0206-S2A	5/18/2004		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0207-S2B	5/23/2002		< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U	< 0.0056 U
AOI 53	MW-0207-S2B	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0207-S2B	11/19/2002		< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0057 U	< 0.0057 U
AOI 53	MW-0207-S2B	5/22/2003	FD	NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0207-S2B	5/22/2003		NA	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0207-S2B	11/19/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0207-S2B	5/18/2004		< 0.001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0208-S2A	5/23/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0208-S2A	8/13/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0208-S2A	11/19/2002		< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U
AOI 53	MW-0208-S2A	5/22/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0208-S2A	11/19/2003		NA	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.0001 U	< 0.001 U
AOI 53	MW-0208-S2A	5/18/2004	FD	< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-0208-S2A	5/18/2004		< 0.0011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.00011 U	< 0.0011 U
AOI 53	MW-25-S2	8/30/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 53	MW-25-S2	5/17/2001		NA	NA	NA	NA	NA	< 0.005 U
AOI 53	MW-25-S2	3/13/2002		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
AOI 54	MW-7-S2	9/28/2000		< 0.00016 U	< 0.00013 U	< 0.00023 U	< 0.0001 U	< 0.00013 U	< 0.00016 U
AOI 54	MW-7-S2	3/14/2002		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
Perimeter	MW-17-S2	6/1/1992	FD	< 0.012 U	NA	NA	NA	NA	< 0.012 U
Perimeter	MW-17-S2	6/1/1992		< U	NA	NA	NA	NA	< U
Perimeter	MW2-4-S2	4/14/2000		NA	NA	NA	NA	NA	< 0.005 U
Production Well	PW-12-S4	9/15/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
Production Well	PW-5-S4	9/15/1995		< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U	< 0.01 U
Drinking Water Criteria (MCL or Region 9)						**.0002**			

NOTES:
Concentrations exceeding the Drinking Water Criteria are highlighted green
mg/L- milligram per liter
U- Not detected above laboratory reporting limits
J - Estimated value
NA - Not analyzed
MCL - Maximum Contaminant Levels

Table 4. 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 2009 (January 2009 - June 2009),
Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)*	Total Discharge (gal)
November-05	45,781	45,781
December-05	31,114	76,895
January-06	73,335	150,230
February-06	80,147	230,377
March-06	120,834	351,211
April-06	144,143	495,354
May-06	154,450	649,804
June-06	107,489	757,293
July-06	84,487	841,780
August-06	67,589	909,369
September-06	72,918	982,287
October-06	87,839	1,070,126
November-06	63,920	1,134,046
December-06	66,346	1,200,392
January-07	133,021	1,333,413
February-07	65,353	1,398,766
March-07	155,248	1,554,014
April-07	187,140	1,741,154
May-07	166,833	1,907,987
June-07	157,454	2,065,441
July-07	112,785	2,178,226
August-07	92,256	2,270,482
September-07	89,094	2,359,576
October-07	64,686	2,424,262
November-07	59,691	2,483,953
December-07	91,326	2,575,279
January-08	119,403	2,694,682
February-08	112,264	2,806,946
March-08	118,756	2,925,702
April-08	120,164	3,045,866
May-08	122,034	3,167,900
June-08	193,516	3,361,416
July-08	176,548	3,537,964
August-08	149,852	3,687,816
September-08	108,130	3,795,946
October-08	125,307	3,921,253
November-08	78,114	3,999,367
December-08	66,170	4,065,537
January-09	85,870	4,151,407
February-09	158,890	4,310,297
March-09	183,640	4,493,937
April-09	186,867	4,680,804
May-09	223,829	4,904,633
June-09	226,143	5,130,776

NOTES:

1) Discharge of the pre-treated effluent water 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. 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.

Table 5. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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

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Table 5. Diesel Fuel Plume Groundwater Recovery Sytem Effluent Water Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), Allison Transmission, Inc., Speedway, Indiana.

			Total Toxic Organics (TTO)	
SampleDate	Oil&Grease	TPH	Volatiles	Semivolatiles
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
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
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).

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

Table 6. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Mon
Report, First Half 2009 (January 2009 - June 2009), 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

Table 6. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Mon
Report, First Half 2009 (January 2009 - June 2009), Allison Transmission, Inc., Speedway, Indiana.

			Total Petroleum Hydrocarbons (TPH) mg/l			
Area	Well	Sample Date	TPH - Diesel	TPH - Gasoline	TPH - Mineral Spirits	TPH - Oil
	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
	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
	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

Table 6. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Mon
Report, First Half 2009 (January 2009 - June 2009), 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
	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

Table 6. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Mon
Report, First Half 2009 (January 2009 - June 2009), 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
	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

Table 6. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Mon
Report, First Half 2009 (January 2009 - June 2009), 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
	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

Table 6. Groundwater TPH Analytical Results, Interim Measures Semi-Annual Status and Groundwater Mon
Report, First Half 2009 (January 2009 - June 2009), 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

NOTES:

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

2.) NA Not Applicable/Not Available

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

D - compound at secondary dilution factor

U - compound was not detected

DJ - compound was estimated at a secondary dilution factor

NE - Not Established

R - Rejected

UJ - compound was detected below the de

J - compound estimated below detection li

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Table 7. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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[15]	10,444	9.20	106
	Cumulative Results	4,292,962	9,995	--
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[8]	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[15]	88,535	34.21	46
	Cumulative Results	1,582,352	9,160	--
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[15]	186,999	11.31	7
	Cumulative Results	1,717,312	7,058	--

Table 7. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	TPH - Diesel Removed (lbs)	Average TPH Concentrations (mg/L)
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[8]	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[15]	150,208	907.94	724
	Cumulative Results	3,907,966	36,011	--
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[15]	181,178	199.36	132
	Cumulative Results	2,247,432	24,203	--
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[8]	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[15]	20,111	0.58	3
	Cumulative Results	714,606	3,527	--

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Table 7. Volume of Water Pumped and TPH Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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[15]	113,269	1.99	2
	Cumulative Results	2,549,330	352	--
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[15]	18	0.00	10
	Cumulative Results	73,255	88.6	--
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[15]	728,141	264.03	43
	Cumulative Results	3,965,234	2,465	--

Total Volume of Water Pumped =	**21,050,448**	**gal**
Average Gallons/Day Pumped[9] =	**7,100**	**gal**
Total TPH-Diesel Removed to Date[10] =	**92,859**	**pounds**
Total TPH-Diesel Removed for Current Time Period[10] =	**1,429**	**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.

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Table 8. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2009.
Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells																							Cumulative Hydrocarbons Recovered[5]
	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	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-S2-0601	
1/21/2003	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		0.6
2/26/2003	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	--	--	--	--	--	--		0.9
3/26/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		0.90
4/22/2003	--	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	--	--	--	--	--		1.20
5/13/2003, 5/22/2003	--	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	--	--	--	--	--	--		1.50
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	--	--	--	--	--	--	--	--		3.60
7/31/03, 8/1/2003	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		3.60
9/18/2003[3]	--	--	30% saturated	--	--	30% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	--	--		4.20
10/21/2003	--		40% saturated	--	--	30% saturated	--	--	--	90% saturated, sock changed-out	--	--	--	20% saturated	--	--	--	--	--	--	--	--		4.47
11/13/2003[4]	--	--	50% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	--	90% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out	--	--	--	--	--	--	--	--		5.34
12/17/2003	--	--	100% saturated, sock changed-out	--	--	20% saturated	--	--	--	20% saturated	--	--	--	90% saturated, sock changed-out	--	--	--	--	--	--	--	--		5.91
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**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**		**5.91**
1/21/2004[4]		--	90% saturated, sock changed-out	--	--	90% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	--	--		1.14
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	--	--	--	--	--	--	--	--		2.19
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	--	--	--	--	--	--	--	--		3.33
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	--	--	--	--	--	--	--	--		5.06
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	--	--	--	--	--	--	--	--		5.06
6/24/2004	no LNAPL present, sock not installed	--	--	--	--	no LNAPL present, sock not installed	--	--	--	no LNAPL present, sock not installed	--	--	--	sock installed	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	--	--	0% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	15% saturated	0% saturated	0% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	--		5.36
8/31/2004	0% saturated	--	0% saturated	--	--	0% saturated	--	--	--	0% saturated	--	--	--	30% saturated	0% saturated	0% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--		5.96
9/30/2004	15% saturated	--	20% saturated	--	--	20% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	10% saturated	10% saturated	20% saturated	100% saturated, sock changed-out	--	--	--	--		6.86
10/28/2004	0% saturated	--	25% saturated	--	--	0% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	10% saturated	0% saturated	0% saturated	100% saturated, sock changed-out	--	--	--	--		7.76
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	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	5% saturated	--	20% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	80% saturated, sock changed-out	10% saturated	80% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--		10.67
Hydrocarbons Recovered[5] 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**	**0.03**	**0.36**	**0.69**	**1.80**	**0.00**	**0.00**	**0.00**	**0.00**		**10.67**
1/31/2005	0% saturated	--	0% saturated	--	--	10% saturated	--	--	--	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	10% saturated	100% saturated, sock changed-out	10% saturated	100% saturated, sock changed-out	--	--	--	--		1.20
2/24/2005	10% saturated	--	20% saturated	--	--	10% saturated	--	--	--	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	100% saturated, sock changed-out	--	--	--	--		2.94
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	25% saturated	100% saturated, sock changed-out	80% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--		4.68
4/28/2005	25% saturated	--	0% saturated	--	--	30% saturated	--	--	25% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	30% saturated	100% saturated, sock changed-out	25% saturated	100% saturated, sock changed-out	--	--	--	--		5.96
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	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	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	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	80% saturated, sock changed out	--	30% saturated	--	--	60% saturated	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	60% saturated, sock changed-out	10% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	90% saturated, sock changed-out	--	--	--	--		12.21
8/31/2005	20% saturated	--	50% saturated	--	--	70% saturated	--	--	50% saturated	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	--	--	--	--		14.01
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% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--		17.46
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	10% saturated	100% saturated, sock changed-out	100% saturated, sock changed-out	100% saturated, sock changed-out	--	--	--	--		19.59
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	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	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	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)	**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**	**1.10**	**3.60**	**2.79**	**3.57**	**0.30**	**0.00**	**0.00**	**0.00**		**25.43**

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Table 8. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2009.
Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells																							Cumulative Hydrocarbons Recovered[5]
	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	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-S2-0601	
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	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	5% saturated	--	50% saturated	--	--	100% saturated, sock changed out	--	--	10% saturated	75% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	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	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	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	--	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	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	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	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
6/26/2006	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	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	--	--	25% saturated	--	--	5% saturated	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--		17.99
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	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	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	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	--		22.28
10/18/2006	1% saturated	--	--	--	--	40% saturated	100% saturated, sock changed-out	--	--	40% saturated	--	--	--	100% saturated, sock changed-out	50% 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	--	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	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
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	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)	**0.77**	**0.00**	**0.98**	**0.53**	**0.30**	**1.23**	**2.70**	**0.84**	**0.90**	**1.80**	**0.00**	**0.00**	**0.00**	**2.99**	**0.18**	**2.70**	**3.15**	**1.80**	**3.00**	**2.40**	**2.33**	**0.00**		**28.58**
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	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	10% saturated	--	15% saturated	--	--	20% saturated	100% saturated, sock changed-out	30% saturated	25% saturated	35% saturated	--	--	--	100% saturated, sock changed-out	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	5% saturated	--	35% saturated	--	--	40% saturated	100% saturated, sock changed-out	35% saturated	35% saturated	40% saturated	--	--	--	100% saturated, sock changed-out	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	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	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	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	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	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	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	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	0% saturated	--	--	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--		12.44
8/20/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	0% saturated	--	--	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--		13.34
9/20/2007	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		13.34
10/22/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	0% saturated	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--		14.54
11/15/2007	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated, sock changed-out	0% saturated	--	--	--	--	100% saturated, sock changed-out	100% saturated, sock changed-out	--		15.74
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	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**	**0.00**	**0.74**	**0.00**	**0.00**	**0.42**	**3.30**	**0.14**	**0.39**	**0.90**	**0.00**	**0.00**	**0.00**	**3.30**	**0.24**	**0.15**	**1.80**	**0.00**	**0.63**	**3.00**	**2.93**	**0.00**		**18.17**

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Table 8. Diesel Fuel Plume Groundwater Recovery System Monitoring Well Absorbent Sock Change-Out Log for 2003- June 2009.
Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), Allison Transmission, Inc., Speedway, Indiana.

Date	Monitoring Wells																							Cumulative Hydrocarbons Recovered[5]
	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	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-S2-0601	
1/18/2008	--	--	100% saturated, sock changed-out	--	--	--	10% saturated	--	25% saturated	--	--	--	--	100% saturated (3), socks changed-out	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	--	--	--	--	--	--	25% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out	0% saturated	Well abandoned	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	20% saturated, sock changed-out	--		3.81
3/10/2008	--	--	--	--	--	--	10% saturated	--	--	--	--	--	--	100% saturated (3), socks changed-out	0% saturated	Well abandoned	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	10% saturated	--		5.31
4/7/2008	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out	--	Well abandoned	100% saturated, sock changed-out	--	--	50% saturated, sock changed-out	50% saturated, sock changed-out	--		7.11
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	25% saturated	Well abandoned	100% saturated, sock changed-out	--	25% saturated	100% saturated, sock changed-out	--	--		9.51
6/26/2008	--	--	--	--	--	--	100% saturated, sock changed-out	--	--	--	--	--	--	100% saturated (3), socks changed-out	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	--	--	25% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out	--	--	75% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	--	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	--	--	50% saturated, sock changed-out	--	--	--	100% saturated, sock changed-out	--	--	100% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	--	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
9/16/2008	--	--	5% saturated	--	--	--	30% saturated	--	--	75% saturated, sock changed-out	--	--	--	socks out for pump tests	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	--	--	100% saturated, sock changed-out	--	--	--	75% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	100% saturated (3), socks changed-out	--	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	--	--	100% saturated, sock changed-out	--	--	--	50% saturated, sock changed-out	--	--	50% saturated, sock changed-out	--	--	--	75% saturated (3), socks changed-out	--	Well abandoned	75% saturated, sock changed-out	NM	25% saturated, sock changed-out	50% saturated, sock changed-out	75% saturated, sock changed-out	50% saturated, sock changed-out		21.33
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	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[5] 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**	**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	1% saturated, sock not 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		2.10
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 (2), sock changed-out			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	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											100% saturated, sock changed-out			100% saturated, sock changed-out		5.43
3/17/2009			40% saturated, sock not changed-out	50% saturated, sock not 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											100% saturated, sock not changed-out			80% saturated, sock not changed-out		5.43
3/24/2009			75% saturated, sock changed-out				50% saturated, sock changed-out			50% saturated, sock changed-out				100% saturated (2), sock changed-out			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		7.46
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					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	9.84
6/9/2009			< 5% saturated, sock changed-out			< 5% saturated, sock changed-out	100% saturated, sock changed-out	20% saturated, sock changed-out							NA		0% saturated (2), sock changed-out		100% saturated, sock changed-out			30% saturated, sock changed-out		10.62
Hydrocarbons Recovered[5] 2009 (gal)	**0.23**	**0.00**	**1.07**	**0.33**	**0.03**	**0.99**	**1.35**	**0.44**	**0.00**	**0.30**	**0.00**	**0.00**	**0.00**	**1.20**	**0.00**	**0.00**	**0.60**	**0.00**	**1.50**	**0.90**	**0.30**	**1.22**	**0.18**	**10.62**

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.
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.) NA - Not Applicable - Sock removed.

Total Hydrocarbons Recovered (gallons): **124.11**

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Table 9. AOI 51 Groundwater Recovery Sytem Effluent Water Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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
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.

Water discharged prior to October 01, 2007 was performed under Industrial Waste Discharge Permit No. 2003-01 issued to General Motors Powertrain - Allison Tranmission.

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 2009 (January 2009 - June 2009),
Allison Transmission, Inc., Speedway, Indiana.

Date	Discharge Amount (gal)	Total Discharge (gal)
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
April-08	619,681	4,837,181
May-08	739,298	5,576,478
June-08	672,426	6,248,905
July-08	611,205	6,860,110
August-08	718,930	7,579,040
September-08	460,259	8,039,299
October-08	235,153	8,274,452
November-08	127,124	8,401,576
December-08	374,231	8,642,203
January-09	504,653	9,146,856
February-09	529,744	9,676,600
March-09	343,951	10,020,551
April-09	1,098,682	11,119,233
May-09	571,106	11,690,339
June-09	667,825	12,358,164

NOTES:
1) Discharge of the pre-treated effluent water 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. Prior to October 2007, the discharge was permitted through the Town of Speedway Industrial Waste Discharge Permit Number 2003-1.
2) Currently, Outfall 004.

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Table 11. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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
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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	2/10/2009	0.001	< 0.005	0.002	< 0.005	< 0.005	< 0.005	269	< 0.005	0.007	< 0.002	< 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
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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
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
	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
	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
	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
	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
	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
	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
RW-0502-S2B	12/12/2007	0.0165	< 0.005	0.023	0.003	< 0.005	0.005	< 0.005	0.005	< 0.005	0.002	< 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
	6/3/2008	0.0197	< 0.005	0.027	< 0.005	< 0.005	< 0.005	< 0.005	0.006	< 0.005	0.004	< 0.005
	8/11/2008	0.0141	< 0.005	0.021	< 0.005	< 0.005	< 0.005	< 0.005	0.008	< 0.005	0.003	< 0.005
	11/3/2008	0.0124	< 0.005	0.018	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.003	< 0.005
	2/10/2009	0.0104	< 0.005	0.016	0.002	< 0.005	< 0.005	< 0.005	0.004	< 0.005	0.001	< 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

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Table 11. Recovery Well VOC Analytical Results, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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
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
	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
	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
	8/11/2008	< 0.250	0.0144	0.0759	< 0.250	< 0.250	< 0.250	165	< 0.250	1.190	0.0041	< 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
	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
	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
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
	3/4/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/3/2008	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.85	165	< 0.500	0.931	< 0.200	< 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
	11/3/2008	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	< 0.250	129	< 0.250	1.080	< 0.100	< 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
	6/16/2009	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	120	< 0.500	0.926	< 0.200	< 0.500
RW-0203-S2A	12/12/2007	< 0.500	< 0.500	0.226	< 0.500	< 0.500	< 0.500	86.1	< 0.500	1.210	< 0.200	< 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
	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
	8/11/2008	< 0.250	0.0142	0.114	< 0.250	< 0.250	< 0.250	155	< 0.250	< 0.005	0.0043	< 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
	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
	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
RW-0204-S2A/ RW-0205-S2A	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	0.564	61.1	< 0.500	0.740	< 0.200	< 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
	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
	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
	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
	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
	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
RW-0605-S3	12/12/2007	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	< 0.500	87.4	< 0.500	0.473	< 0.200	< 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
	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
	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
	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
	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
	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

NOTES:

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

NS - Not Sampled

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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 2009 (January 2009 - June 2009), 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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	0.0049	0.9194
11/11/03 to 11/20/03	11/11/03 10:15	220.25	815	0.94	206.8567	0.0000	0.0000	0.0001	0.0237	0.0013	0.2794	N/A	N/A	N/A	N/A	0.0007	0.1511
11/20/03 to 12/01/03	11/20/03 14:30	249.50	830	0.03	8.1355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	N/A	N/A	N/A	N/A	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	38.2423	0.0000	0.0000	0.0000	0.0000	0.0002	0.0315	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	0.0014	0.0558
02/02/04 to 02/04/04	2/4/04 15:30	47.25	790	1.78	84.0758	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	N/A	N/A	N/A	N/A	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	N/A	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	N/A	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	N/A	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	85.6174	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	659.00	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	87.75	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 12/1/04	12/1/04 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	840.9386	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	1127.3999	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	174.3402	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	119.3500	0.0000	0.0000	0.0000	0.0000	0.0042	0.7430	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		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

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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)
		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**
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	135.1350	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)			**190.5750**		**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	328.00	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	55.4091	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)			**180.5210**		**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	518.00	760	0.14	70.1125	0.0000	0.0000	0.0000	0.0000	0.0011	0.5882	0.0000	0.0000	0.0000	0.0000	0.0006	0.3013
		October (2006) Monthly Discharge Total (pounds)			**120.4245**		**0.0000**		**0.0000**		**0.9350**		**0.0000**		**0.0000**		**0.4837**
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

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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)
		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	44.3888	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	136.00	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	87.8114	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 15:30	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
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	0.8381	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**
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	9/1/07 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

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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)
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	40.6481	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**
04/1/08 to 04/03/08	4/3/08 10:30	34	915	0.02	0.7903	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 12:45	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	14.6546	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)					**78.5687**		**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	0.2158
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	425	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**
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**

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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)
12/1/08 to 12/1/08	12/1/08 14:00	18	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	214	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	429	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	0.0000	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**
Total Discharged (pounds)					**26838**		**0.0144**		**0.8143**		**100.1650**		**0.0000**		**0.2143**		**22.0999**
Total Discharged (tons)					**13.42**		**0.0000**		**0.0004**		**0.0501**		**0.0000**		**0.0001**		**0.0110**
Estimated 12 Consecutive Month Discharge (tons)*					**0.3604**		**0.0000**		**0.0000**		**0.0041**		**0.0000**		**0.0001**		**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 tank replacement, and was restarted on 11/3/05

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

N/A 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 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), monthly vapor sampling of the SVE remediation system will continue so that evaluation and adjustments can be made to the system as needed.

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 2009 (January 2009 - June 2009), 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)
11/28/07* to 11/30/2007	11/30/07 0:00	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
		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 17:15	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 2009 (January 2009 - June 2009), 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

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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 2009 (January 2009 - June 2009), 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)
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	441.80	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**
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**		**0.0000**		**0.0000**		**0.0000**		**0.0000**
			Total Discharged (pounds)		**199.9958**		**0.0079**		**0.0000**		**2.2146**		**0.0060**		**0.2546**		**0.2862**
			Total Discharged (tons)		**0.1000**		**0.0000**		**0.0000**		**0.0011**		**0.0000**		**0.0001**		**0.0001**
			Estimated 12 Consecutive Month Discharge (tons)**		**0.0232**		**0.0000**		**0.0000**		**0.0004**		**0.0000**		**0.0001**		**0.0001**

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.

N/A 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 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), 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.

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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 2009 (January 2009 - June 2009) 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]	244,503	0.000	0.000
	Cumulative Results	543,706	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
	Cumulative Results	406,189	0.001	--
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
	Cumulative Results	921,397	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	350.095	134.500
	Cumulative Results	632,855	350.095	--
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
	Cumulative Results	344,235	1.866	--
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
	Cumulative Results	1,067,782	0.008	--
RW-0602-S2A/S2B	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
	Cumulative Results	895,375	0.196	--
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
	Cumulative Results	626,036	0.000	--
RW-0201-S2A	July - December 2007[1]	37	0.009	64.400
	January - June 2008[2]	13	0.004	89.800
	July - December 2008[5]	21	0.015	85.070
	January - June 2009[6]	31	0.015	58.300
	Cumulative Results	102	0.043	--

Table 14. Volume of Water Pumped and PCE Mass Removal, Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009) Allison Transmission, Inc., Speedway, Indiana.

Recovery Well	Date	Volume of Water Pumped (gal)	PCE Removed (lbs)	Average PCE Concentrations (mg/L)
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
	Cumulative Results	784	1.049	--
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
	Cumulative Results	644,828	345.614	--
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
	Cumulative Results	446,096	205.626	--
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
	Cumulative Results	292,184	155.119	--

Total Volume of Water Pumped[3] =	**6,821,569**	**gal**
Average Gallons/Day Pumped[4] =	**8,635**	**gal**
Total PCE Removed (lbs)[3]=	**1,059.6**	**lbs**
Total PCE Removed (gal) [3] =	**78.1**	**gal**
Total PCE Removed for Current Time Period =	**604.9**	**lbs**
Total PCE Removed for Current Time Period =	**44.6**	**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.

Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-July 2009. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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**

Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-July 2009. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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	
1/31/2005	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
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**

Table 15. Transmission Test Assembly Monitoring Well Absorbent Sock Change-Out Log for 2003-July 2009. Interim Measures Semi-Annual Status and Groundwater Monitoring Report, First Half 2009 (January 2009 - June 2009), 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	
1/16/2007	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	0.00
9/16/2008	10% saturated	90% saturated, sock changed-out	90% saturated, sock changed-out	NM	NM	NM	NM	0.54
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	0.05
Hydrocarbons Recovered[5] 2008 (gal)	**0.03**	**0.35**	**0.59**	**0.00**	**0.00**	**0.00**	**0.00**	**0.96**
	0% saturated, sock 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
Hydrocarbons Recovered[5] 2009 (gal)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Total Hydrocarbons Recovered (gallons) 20.54

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.

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	RECOVERY WELL
RW-0201-S3	RECOVERY WELL
MW-5	ABANDONED 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 — PZ-0801-S2
SAMPLE DATE — 6/18/2008, 4/9/2009
UNITS — mg/l
MATRIX — Groundwater

PZ-0801-S2	6/18/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.396	0.184
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.198	0.168
Vinyl Chloride	0.0117	0.0042
Xylenes (total)	0.01 U	0.01 U
SVOC		
Benzo(a)anthracene	NS	NS
Benzo(a)pyrene	NS	NS
Benzo(b)fluoranthene	NS	NS
Dibenz(a,h)anthracene	NS	NS
2-Methylnaphthalene	NS	NS
Naphthalene	NS	NS

RESULTS
RESULTS EXCEEDING SCREENING CRITERIA ARE HIGHLIGHTED IN GREEN
DATA QUALIFIER
NOT SAMPLED
ANALYTICAL PARAMETER

DEFINITIONS

S1 Saturated or Unsaturated Sand Unit encountered from
1 to 16.5 feet below ground surface (BGS) with a clay underneath and where saturated, it is considered perched.
S1 ranges in thicknes from 14 to 16 feet.

S2 Saturated Sand Unit ranges from ranges in thickness of 6 to 43.5 (ft).

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

S2A is encountered from 16.5 to 34 feet BGS and ranges in thicknes from 4.5 to 15.5 feet.
S2B is encountered from 15 to 48.5 feet BGS and ranges in thicknes from 3 to 20 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 76 feet BGS and ranges in thicknes from 2.6 to 24.5 feet.

S4 Saturated Sand Unit typically encountered from 89 to 110 feet BGS and ranges in thicknes from 4 to 10.5 feet.

T Saturated Till Unit encountered at 32 feet BGS at monitoring well MW-0204-T.

DATABOX INFORMATION

NS - Not analyzed for the specific constituent.

Water Analytical Results (mg/L)

Databoxes include constituents that were detected above screening criteria (Region 9 Industrial PRGs with a target cancer risk of 1 E-6 and a hazard quotient of 1) in one or more samples collected at the Site, except for the following:

- constituents with concentrations that exceed criteria in only borehole water samples; and
- constituents that are believed to be unrelated to the Facility and/or were detected only infrequently at low levels.

DATA QUALIFIERS

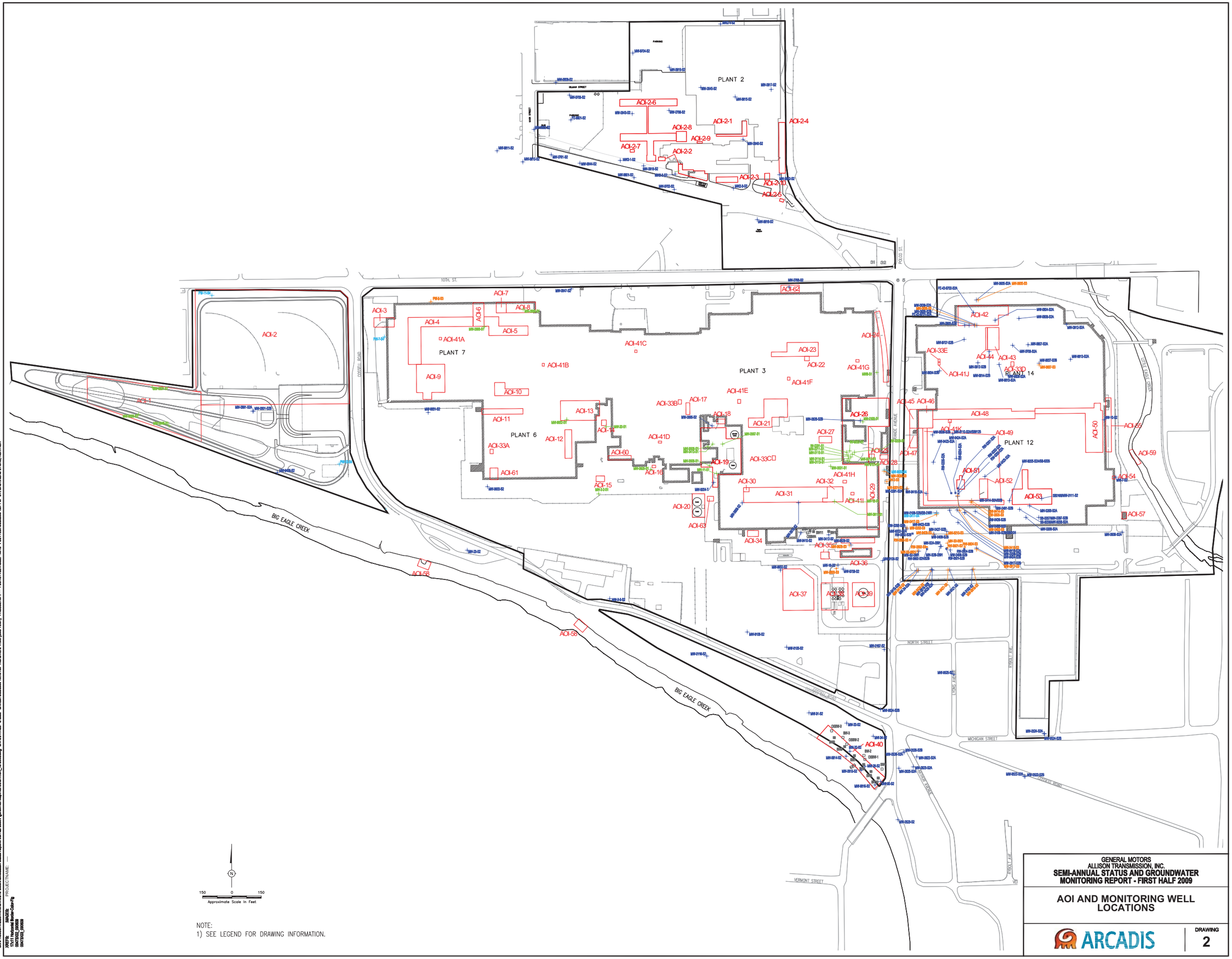
R - Rejected
U - Analyte/Compound was analyzed for but not detected.
UJ - Quantitation limit qualified as estimate.

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009

LEGEND

ARCADIS

DRAWING
1



NOTE:
1) SEE LEGEND FOR DRAWING INFORMATION.

GENERAL MOTORS
ALLISON TRANSMISSION, INC.
SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

AOI AND MONITORING WELL LOCATIONS

ARCADIS

DRAWING
2

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009

LOCALIZED PERCHED GROUNDWATER ELEVATIONS - SAND UNIT S1
APRIL 2009

ARCADIS

DRAWING
3

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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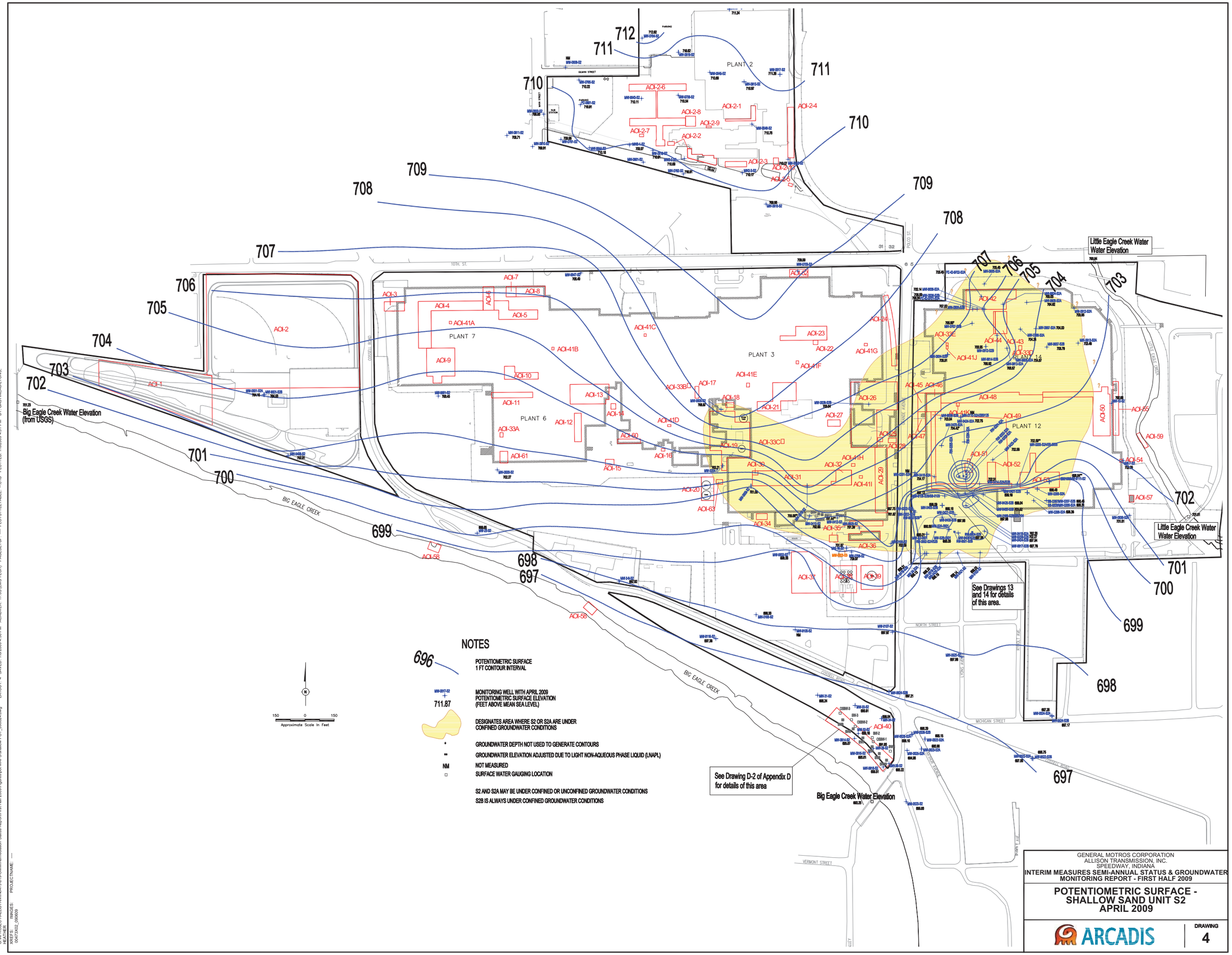
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PLANT 2
PLANT 3
PLANT 6
PLANT 7
PLANT 12
PLANT 14
Little Eagle Creek Water Water Elevation
Big Eagle Creek Water Elevation (from USGS)
Big Eagle Creek Water Elevation
BIG EAGLE CREEK
See Drawings 13 and 14 for details of this area.
See Drawing D-2 of Appendix D for details of this area
NOTES
POTENTIOMETRIC SURFACE 1 FT CONTOUR INTERVAL
MW-0917-S2 711.87
MONITORING WELL WITH APRIL 2009 POTENTIOMETRIC SURFACE ELEVATION (FEET ABOVE MEAN SEA LEVEL)
DESIGNATES AREA WHERE S2 OR S2A ARE UNDER CONFINED GROUNDWATER CONDITIONS
* GROUNDWATER DEPTH NOT USED TO GENERATE CONTOURS
** GROUNDWATER ELEVATION ADJUSTED DUE TO LIGHT NON-AQUEOUS PHASE LIQUID (LNAPL)
NM NOT MEASURED
SURFACE WATER GAUGING LOCATION
S2 AND S2A MAY BE UNDER CONFINED OR UNCONFINED GROUNDWATER CONDITIONS
S2B IS ALWAYS UNDER CONFINED GROUNDWATER CONDITIONS
150 0 150
Approximate Scale In Feet
GENERAL MOTROS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009
POTENTIOMETRIC SURFACE - SHALLOW SAND UNIT S2
APRIL 2009
ARCADIS
DRAWING
4

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IN000473-BASE_ARCADIS Color logo.JPG
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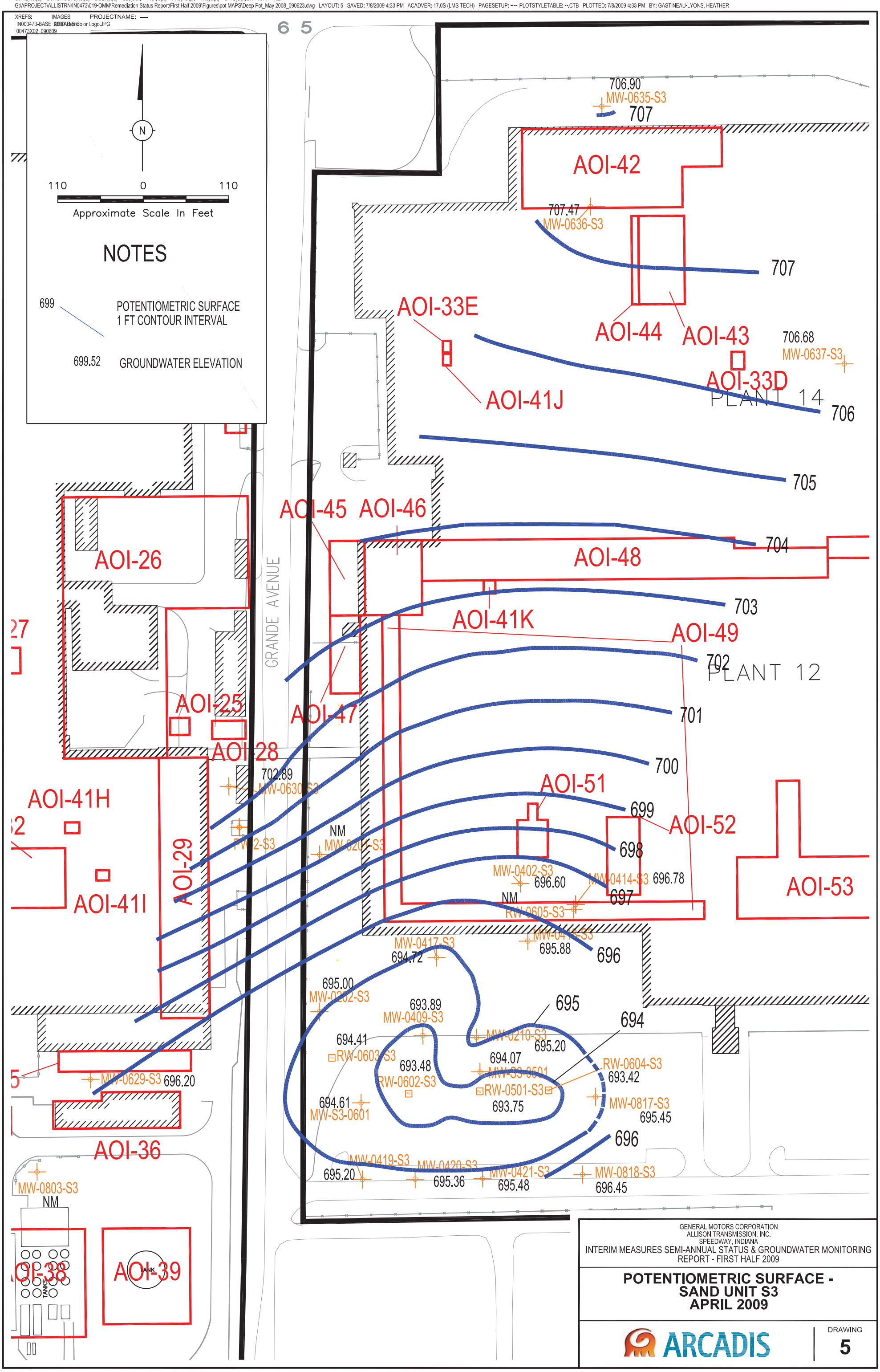


GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009

POTENTIOMETRIC SURFACE - SAND UNIT S3
APRIL 2009

ARCADIS

DRAWING
5

MW-0802-S2	8/19/2008 mg/l Groundwater	9/16/2008 mg/l Groundwater	10/29/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 UJ	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
Chloroethane	0.005 UJ/0.005 UJ	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
1,2-Dibromoethane	0.005 U/0.005 UJ	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
1,1-Dichloroethene	0.005 U/0.005 UJ	0.0072/0.0076	0.005 U	0.005 U/0.005 U
cis-1,2-Dichloroethene	0.816/0.564 J	0.749/0.712	0.474	0.184/0.184
Tetrachloroethene	0.005 U/0.005 UJ	0.005 U/0.005 U	0.005 U	0.0025 J/0.0025 J
Trichloroethene	0.005 U/0.005 UJ	0.005 U/0.005 U	0.005 U	0.005 U/0.005 U
Vinyl Chloride	0.0363/0.0377 J	0.0894/0.0919	0.0098	0.002 U/0.002 U
Xylenes (total)	0.01 U/0.01 UJ	0.01 U/0.01 U	0.01 U	0.01 U/0.01 U
SVOC				
Benzo(a)anthracene	NS/NS	NS/NS	NS	NS/NS
Benzo(a)pyrene	NS/NS	NS/NS	NS	NS/NS
Benzo(b)fluoranthene	NS/NS	NS/NS	NS	NS/NS
Dibenz(a,h)anthracene	NS/NS	NS/NS	NS	NS/NS
2-Methylnaphthalene	NS/NS	NS/NS	NS	NS/NS
Naphthalene	NS/NS	NS/NS	NS	NS/NS

MW-0809-S2	11/5/2008 mg/l Borehole Water	11/11/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.0081
cis-1,2-Dichloroethene	0.459	0.283	0.65
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.0412	0.0398	0.0577
Vinyl Chloride	0.0216	0.0083	0.0135
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0705-S2	10/9/2007 mg/l Groundwater	5/12/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.132	0.0688 U	0.0347
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.0723	0.0631 U	0.0931
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0704-S2	10/9/2007 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0622	0.0966
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U
Vinyl Chloride	0.129	0.185
Xylenes (total)	0.01 U	0.01 U
SVOC		
Benzo(a)anthracene	NS	NS
Benzo(a)pyrene	NS	NS
Benzo(b)fluoranthene	NS	NS
Dibenz(a,h)anthracene	NS	NS
2-Methylnaphthalene	NS	NS
Naphthalene	NS	NS

MW-2-4-S2	4/14/2000 mg/l Ground Water	1/9/2006 mg/l Ground Water	5/12/2008 mg/l Ground Water	4/9/2009 mg/l Groundwater
VOC				
Benzene	NS	0.09	0.064/0.0663	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U/0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U/0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U/0.005 U	0.0836
cis-1,2-Dichloroethene	2.9	1.7	1.28/1.27	1.59
Tetrachloroethene	0.005 U	0.005 U	0.005 U/0.005 U	0.005 U
Trichloroethene	1.1	0.38	0.152/0.162	0.176
Vinyl Chloride	NS	0.2	0.313/0.311	0.388
Xylenes (total)	0.005 U	0.005 U	0.01 U/0.01 U	0.0167
SVOC				
Benzo(a)anthracene	NS	NS	NS/NS	NS
Benzo(a)pyrene	NS	NS	NS/NS	NS
Benzo(b)fluoranthene	NS	NS	NS/NS	NS
Dibenz(a,h)anthracene	NS	NS	NS/NS	NS
2-Methylnaphthalene	NS	NS	NS/NS	NS
Naphthalene	0.005 U	NS	NS/NS	NS

MW-0811-S2	11/13/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U
SVOC		
Benzo(a)anthracene	NS	NS
Benzo(a)pyrene	NS	NS
Benzo(b)fluoranthene	NS	NS
Dibenz(a,h)anthracene	NS	NS
2-Methylnaphthalene	NS	NS
Naphthalene	NS	NS

MW-0810-S2	11/13/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0083	0.005 U
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U
SVOC		
Benzo(a)anthracene	NS	NS
Benzo(a)pyrene	NS	NS
Benzo(b)fluoranthene	NS	NS
Dibenz(a,h)anthracene	NS	NS
2-Methylnaphthalene	NS	NS
Naphthalene	NS	NS

PZ-0801-S2	6/18/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.396	0.184
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.198	0.168
Vinyl Chloride	0.0117	0.0042
Xylenes (total)	0.01 U	0.01 U
SVOC		
Benzo(a)anthracene	NS	NS
Benzo(a)pyrene	NS	NS
Benzo(b)fluoranthene	NS	NS
Dibenz(a,h)anthracene	NS	NS
2-Methylnaphthalene	NS	NS
Naphthalene	NS	NS

MW2-3-S2	4/14/2000 mg/l Groundwater	1/10/2006 mg/l Groundwater	5/13/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.005 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	NS	NS	0.0055 U	0.0051 U
Benzo(a)pyrene	NS	NS	0.0055 U	0.0051 U
Benzo(b)fluoranthene	NS	NS	0.0055 U	0.0051 U
Dibenz(a,h)anthracene	NS	NS	0.0055 U	0.0051 U
2-Methylnaphthalene	NS	NS	0.0055 U	0.0051 U
Naphthalene	0.005 U	NS	0.0055 U	0.0051 U

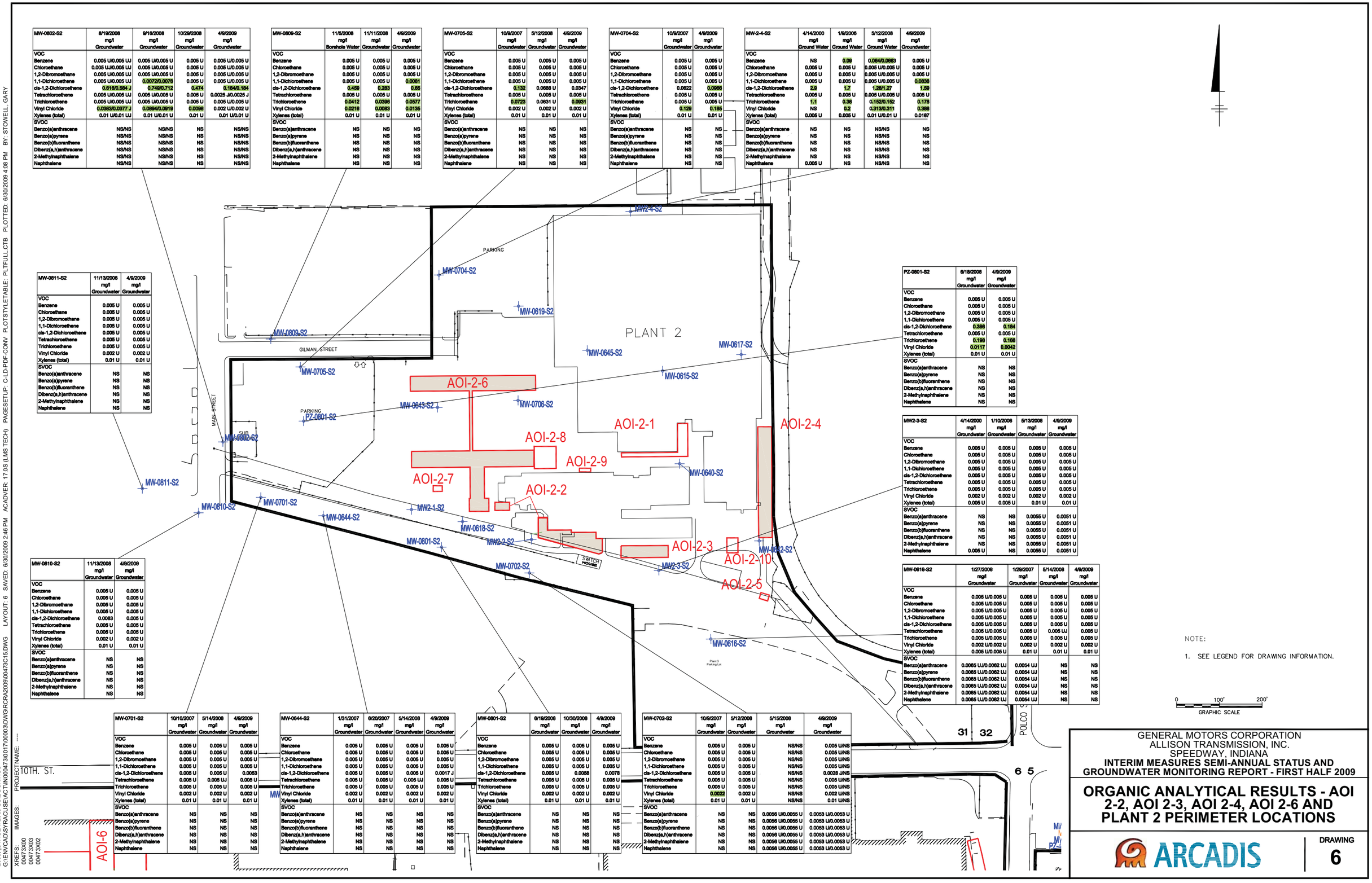
MW-0616-S2	1/27/2006 mg/l Groundwater	1/29/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U/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	0.005 U
Vinyl Chloride	0.002 U/0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U/0.005 U	0.01 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	0.0065 UJ/0.0062 UJ	0.0054 UJ	NS	NS
Benzo(a)pyrene	0.0065 UJ/0.0062 UJ	0.0054 UJ	NS	NS
Benzo(b)fluoranthene	0.0065 UJ/0.0062 UJ	0.0054 UJ	NS	NS
Dibenz(a,h)anthracene	0.0065 UJ/0.0062 UJ	0.0054 UJ	NS	NS
2-Methylnaphthalene	0.0065 UJ/0.0062 UJ	0.0054 UJ	NS	NS
Naphthalene	0.0065 UJ/0.0062 UJ	0.0054 UJ	NS	NS

MW-0701-S2	10/10/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.0063
Tetrachloroethene	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0644-S2	1/31/2007 mg/l Groundwater	6/20/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.0017 J
Tetrachloroethene	0.005 U	0.005 U	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	NS	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS	NS
Naphthalene	NS	NS	NS	NS

MW-0801-S2	6/19/2008 mg/l Groundwater	10/30/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.0068	0.0078
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0702-S2	10/9/2007 mg/l Groundwater	5/12/2008 mg/l Groundwater	5/15/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	NS/NS	0.005 U/NS
Chloroethane	0.005 U	0.005 U	NS/NS	0.005 U/NS
1,2-Dibromoethane	0.005 U	0.005 U	NS/NS	0.005 U/NS
1,1-Dichloroethene	0.005 U	0.005 U	NS/NS	0.005 U/NS
cis-1,2-Dichloroethene	0.005 U	0.005 U	NS/NS	0.0028 J/NS
Tetrachloroethene	0.005 U	0.005 U	NS/NS	0.005 U/NS
Trichloroethene	0.005 U	0.005 U	NS/NS	0.005 U/NS
Vinyl Chloride	0.0022	0.002 U	NS/NS	0.002 U/NS
Xylenes (total)	0.01 U	0.01 U	NS/NS	0.01 U/NS
SVOC				
Benzo(a)anthracene	NS	NS	0.0056 U/0.0055 U	0.0053 U/0.0053 U
Benzo(a)pyrene	NS	NS	0.0056 U/0.0055 U	0.0053 U/0.0053 U
Benzo(b)fluoranthene	NS	NS	0.0056 U/0.0055 U	0.0053 U/0.0053 U
Dibenz(a,h)anthracene	NS	NS	0.0056 U/0.0055 U	0.0053 U/0.0053 U
2-Methylnaphthalene	NS	NS	0.0056 U/0.0055 U	0.0053 U/0.0053 U
Naphthalene	NS	NS	0.0056 U/0.0055 U	0.0053 U/0.0053 U



NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 100' 200'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

ORGANIC ANALYTICAL RESULTS - AOI 2-2, AOI 2-3, AOI 2-4, AOI 2-6 AND PLANT 2 PERIMETER LOCATIONS

ARCADIS

DRAWING
6

CITY: SYRACUSE DIV/GROUP: ENV/141 DB: GMS KFS LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF; I-large-00-SB, I-large-0203-SA, I-large-0203-SA-BMT, I-large-1974, I-large-S, I-large-SB-0202, I-large-SB-0401, I-large-SB-0901, I-large-SB-0902, I-large-SB-ELECTROPLATING, I-large-SB-historical, I-large-soil-2004, I-large-Test-cell-borings, I-large datagap 1st phase, I-large fireline, I-large may 2008 locations, I-large RFI background, I-large rfi handauger, I-large rfi sb, I-large RFI Solboring Phase III, I-large SB Phase II, I-RFI Phase II SB, I-SMALL-AOI 19 excavation locations, i-small sb may 2008, |STAGE II 2008 SOIL BORINGS
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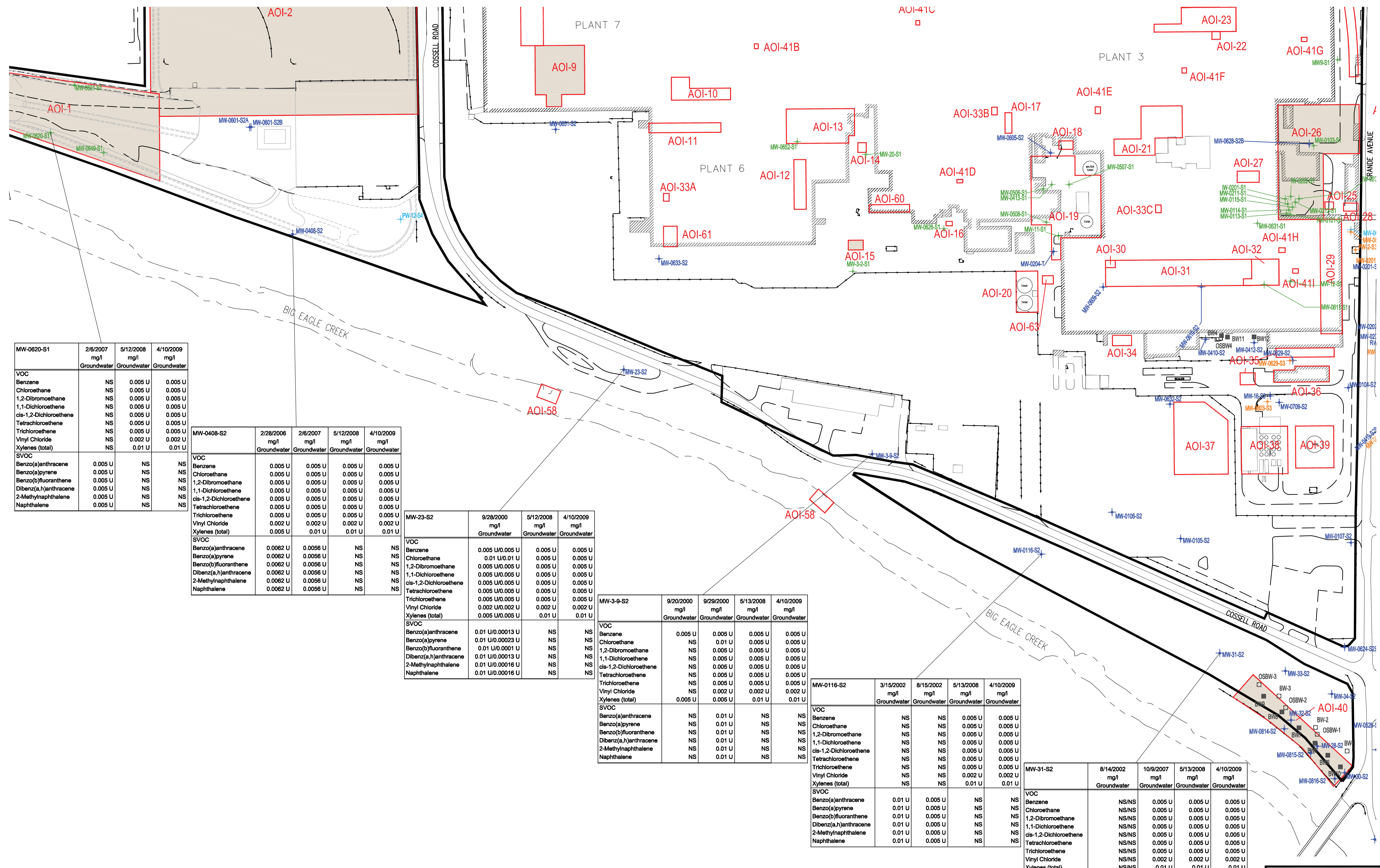

MW-0620-S1	2/6/2007 mg/l Groundwater	5/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC			
Benzene	NS	0.005 U	0.005 U
Chloroethane	NS	0.005 U	0.005 U
1,2-Dibromoethane	NS	0.005 U	0.005 U
1,1-Dichloroethene	NS	0.005 U	0.005 U
cis-1,2-Dichloroethene	NS	0.005 U	0.005 U
Tetrachloroethene	NS	0.005 U	0.005 U
Trichloroethene	NS	0.005 U	0.005 U
Vinyl Chloride	NS	0.002 U	0.002 U
Xylenes (total)	NS	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	0.005 U	NS	NS
Benzo(a)pyrene	0.005 U	NS	NS
Benzo(b)fluoranthene	0.005 U	NS	NS
Dibenz(a,h)anthracene	0.005 U	NS	NS
2-Methylnaphthalene	0.005 U	NS	NS
Naphthalene	0.005 U	NS	NS

MW-0408-S2	2/28/2006 mg/l Groundwater	2/6/2007 mg/l Groundwater	5/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	0.0062 U	0.0056 U	NS	NS
Benzo(a)pyrene	0.0062 U	0.0056 U	NS	NS
Benzo(b)fluoranthene	0.0062 U	0.0056 U	NS	NS
Dibenz(a,h)anthracene	0.0062 U	0.0056 U	NS	NS
2-Methylnaphthalene	0.0062 U	0.0056 U	NS	NS
Naphthalene	0.0062 U	0.0056 U	NS	NS

MW-23-S2	9/28/2000 mg/l Groundwater	5/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC			
Benzene	0.005 U/0.005 U	0.005 U	0.005 U
Chloroethane	0.01 U/0.01 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U/0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U/0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U/0.005 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	0.01 U/0.00013 U	NS	NS
Benzo(a)pyrene	0.01 U/0.00023 U	NS	NS
Benzo(b)fluoranthene	0.01 U/0.0001 U	NS	NS
Dibenz(a,h)anthracene	0.01 U/0.00013 U	NS	NS
2-Methylnaphthalene	0.01 U/0.00016 U	NS	NS
Naphthalene	0.01 U/0.00016 U	NS	NS

MW-3-9-S2	9/20/2000 mg/l Groundwater	9/29/2000 mg/l Groundwater	5/13/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	NS	0.01 U	0.005 U	0.005 U
1,2-Dibromoethane	NS	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	NS	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	NS	0.005 U	0.005 U	0.005 U
Tetrachloroethene	NS	0.005 U	0.005 U	0.005 U
Trichloroethene	NS	0.005 U	0.005 U	0.005 U
Vinyl Chloride	NS	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.005 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	NS	0.01 U	NS	NS
Benzo(a)pyrene	NS	0.01 U	NS	NS
Benzo(b)fluoranthene	NS	0.01 U	NS	NS
Dibenz(a,h)anthracene	NS	0.01 U	NS	NS
2-Methylnaphthalene	NS	0.01 U	NS	NS
Naphthalene	NS	0.01 U	NS	NS

MW-0116-S2	3/15/2002 mg/l Groundwater	8/15/2002 mg/l Groundwater	5/13/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	NS	NS	0.005 U	0.005 U
Chloroethane	NS	NS	0.005 U	0.005 U
1,2-Dibromoethane	NS	NS	0.005 U	0.005 U
1,1-Dichloroethene	NS	NS	0.005 U	0.005 U
cis-1,2-Dichloroethene	NS	NS	0.005 U	0.005 U
Tetrachloroethene	NS	NS	0.005 U	0.005 U
Trichloroethene	NS	NS	0.005 U	0.005 U
Vinyl Chloride	NS	NS	0.002 U	0.002 U
Xylenes (total)	NS	NS	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	0.01 U	0.005 U	NS	NS
Benzo(a)pyrene	0.01 U	0.005 U	NS	NS
Benzo(b)fluoranthene	0.01 U	0.005 U	NS	NS
Dibenz(a,h)anthracene	0.01 U	0.005 U	NS	NS
2-Methylnaphthalene	0.01 U	0.005 U	NS	NS
Naphthalene	0.01 U	0.005 U	NS	NS

MW-31-S2	8/14/2002 mg/l Groundwater	10/9/2007 mg/l Groundwater	5/13/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	NS/NS	0.005 U	0.005 U	0.005 U
Chloroethane	NS/NS	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	NS/NS	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	NS/NS	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	NS/NS	0.005 U	0.005 U	0.005 U
Tetrachloroethene	NS/NS	0.005 U	0.005 U	0.005 U
Trichloroethene	NS/NS	0.005 U	0.005 U	0.005 U
Vinyl Chloride	NS/NS	0.002 U	0.002 U	0.002 U
Xylenes (total)	NS/NS	0.01 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	0.005 U/0.005 U	NS	NS	NS
Benzo(a)pyrene	0.005 U/0.005 U	NS	NS	NS
Benzo(b)fluoranthene	0.005 U/0.005 U	NS	NS	NS
Dibenz(a,h)anthracene	0.005 U/0.005 U	NS	NS	NS
2-Methylnaphthalene	0.005 U/0.005 U	NS	NS	NS
Naphthalene	0.005 U/0.005 U	NS	NS	NS

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 150' 300'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

ORGANIC ANALYTICAL RESULTS - AOI 1, AOI 2, AOI 9, AOI 15, AOI 26, AND AOI 40

ARCADIS

DRAWING
7

CITY: SYRACUSE DIV/GROUP: ENV/141 DB: GMS KFS LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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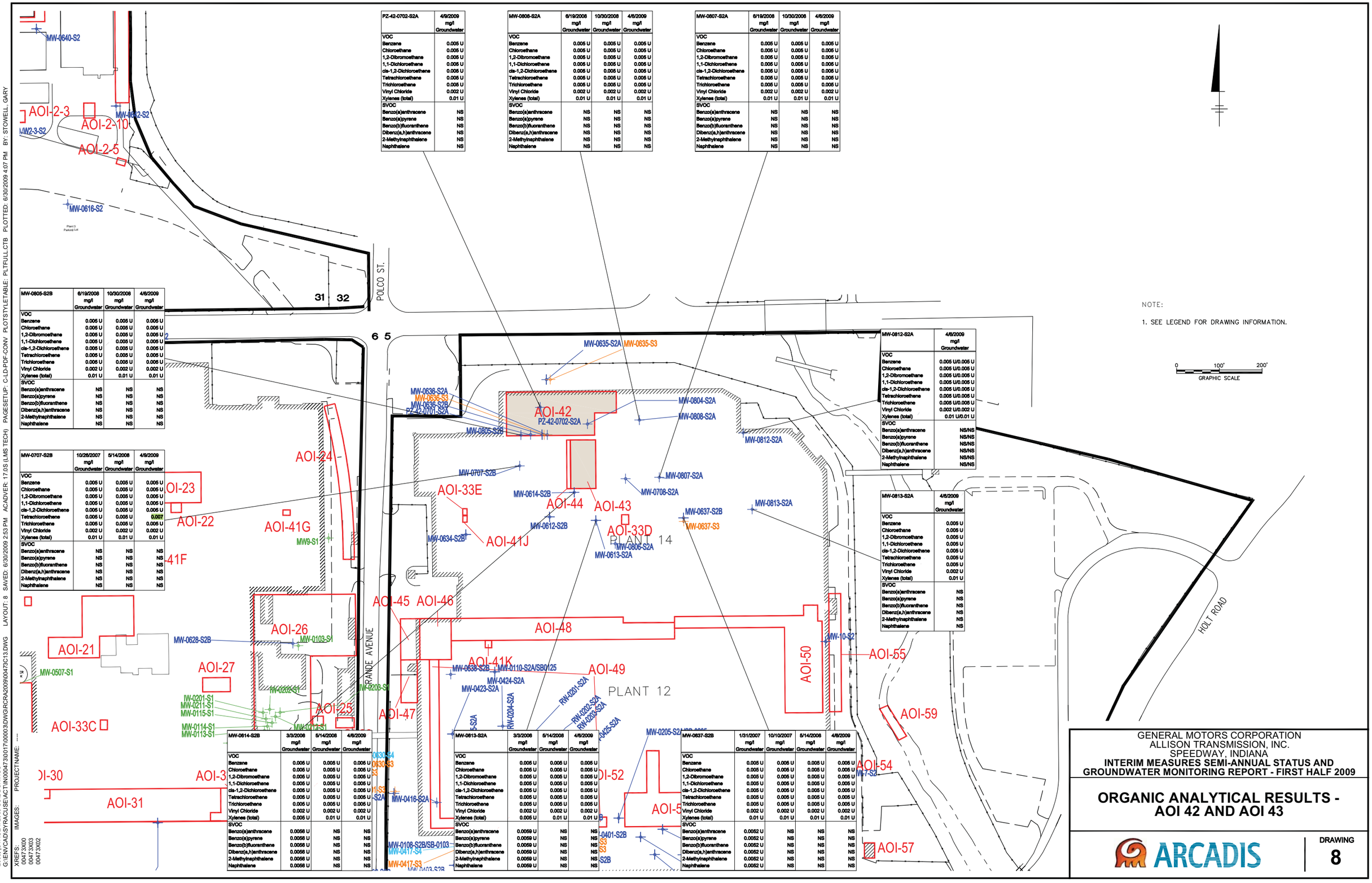

PZ-42-0702-S2A	4/9/2009 mg/l Groundwater
VOC	
Benzene	0.005 U
Chloroethane	0.005 U
1,2-Dibromoethane	0.005 U
1,1-Dichloroethene	0.005 U
cis-1,2-Dichloroethene	0.005 U
Tetrachloroethene	0.005 U
Trichloroethene	0.005 U
Vinyl Chloride	0.002 U
Xylenes (total)	0.01 U
SVOC	
Benzo(a)anthracene	NS
Benzo(a)pyrene	NS
Benzo(b)fluoranthene	NS
Dibenz(a,h)anthracene	NS
2-Methylnaphthalene	NS
Naphthalene	NS

MW-0808-S2A	6/19/2008 mg/l Groundwater	10/30/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0807-S2A	6/19/2008 mg/l Groundwater	10/30/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0805-S2B	6/19/2008 mg/l Groundwater	10/30/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0707-S2B	10/26/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/9/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.007
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	NS	NS	NS
Benzo(a)pyrene	NS	NS	NS
Benzo(b)fluoranthene	NS	NS	NS
Dibenz(a,h)anthracene	NS	NS	NS
2-Methylnaphthalene	NS	NS	NS
Naphthalene	NS	NS	NS

MW-0812-S2A	4/6/2009 mg/l Groundwater
VOC	
Benzene	0.005 U/0.005 U
Chloroethane	0.005 U/0.005 U
1,2-Dibromoethane	0.005 U/0.005 U
1,1-Dichloroethene	0.005 U/0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U
Tetrachloroethene	0.005 U/0.005 U
Trichloroethene	0.005 U/0.005 U
Vinyl Chloride	0.002 U/0.002 U
Xylenes (total)	0.01 U/0.01 U
SVOC	
Benzo(a)anthracene	NS/NS
Benzo(a)pyrene	NS/NS
Benzo(b)fluoranthene	NS/NS
Dibenz(a,h)anthracene	NS/NS
2-Methylnaphthalene	NS/NS
Naphthalene	NS/NS

MW-0813-S2A	4/6/2009 mg/l Groundwater
VOC	
Benzene	0.005 U
Chloroethane	0.005 U
1,2-Dibromoethane	0.005 U
1,1-Dichloroethene	0.005 U
cis-1,2-Dichloroethene	0.005 U
Tetrachloroethene	0.005 U
Trichloroethene	0.005 U
Vinyl Chloride	0.002 U
Xylenes (total)	0.01 U
SVOC	
Benzo(a)anthracene	NS
Benzo(a)pyrene	NS
Benzo(b)fluoranthene	NS
Dibenz(a,h)anthracene	NS
2-Methylnaphthalene	NS
Naphthalene	NS

MW-0614-S2B	3/3/2008 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	0.0056 U	NS	NS
Benzo(a)pyrene	0.0056 U	NS	NS
Benzo(b)fluoranthene	0.0056 U	NS	NS
Dibenz(a,h)anthracene	0.0056 U	NS	NS
2-Methylnaphthalene	0.0056 U	NS	NS
Naphthalene	0.0056 U	NS	NS

MW-0813-S2A	3/3/2008 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U	0.01 U
SVOC			
Benzo(a)anthracene	0.0059 U	NS	NS
Benzo(a)pyrene	0.0059 U	NS	NS
Benzo(b)fluoranthene	0.0059 U	NS	NS
Dibenz(a,h)anthracene	0.0059 U	NS	NS
2-Methylnaphthalene	0.0059 U	NS	NS
Naphthalene	0.0059 U	NS	NS

MW-0837-S2B	1/31/2007 mg/l Groundwater	10/10/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U
SVOC				
Benzo(a)anthracene	0.0052 U	NS	NS	NS
Benzo(a)pyrene	0.0052 U	NS	NS	NS
Benzo(b)fluoranthene	0.0052 U	NS	NS	NS
Dibenz(a,h)anthracene	0.0052 U	NS	NS	NS
2-Methylnaphthalene	0.0052 U	NS	NS	NS
Naphthalene	0.0052 U	NS	NS	NS

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 100' 200'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

ORGANIC ANALYTICAL RESULTS - AOI 42 AND AOI 43

ARCADIS

DRAWING
8

CITY: SYRACUSE DIV/GROUP: ENV/141 DB: GMS KFS LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF, I-large-00-SB, I-large-0203-SA, I-large-0203-SA-BMT, I-large-1974, I-large-S, I-large-SB-0202, I-large-SB-0401, I-large-SB-0901, I-large-SB-0902, I-large-SB-ELECTROPLATING, I-large-SB-historical, I-large-soil-2004, I-large-Test-cell-borings, I-large datagap 1st phase, I-large fireline, I-large may 2008 locations, I-large RFI background, I-large rfi handauger, I-large rfi sb, I-large RFI Soilboring Phase III, I-large SB Phase II, I-RFI Phase II SB, I-SMALL-AOI 19 excavation locations, I-small sb may 2008, ISTAGE II 2008 SOIL BORINGS
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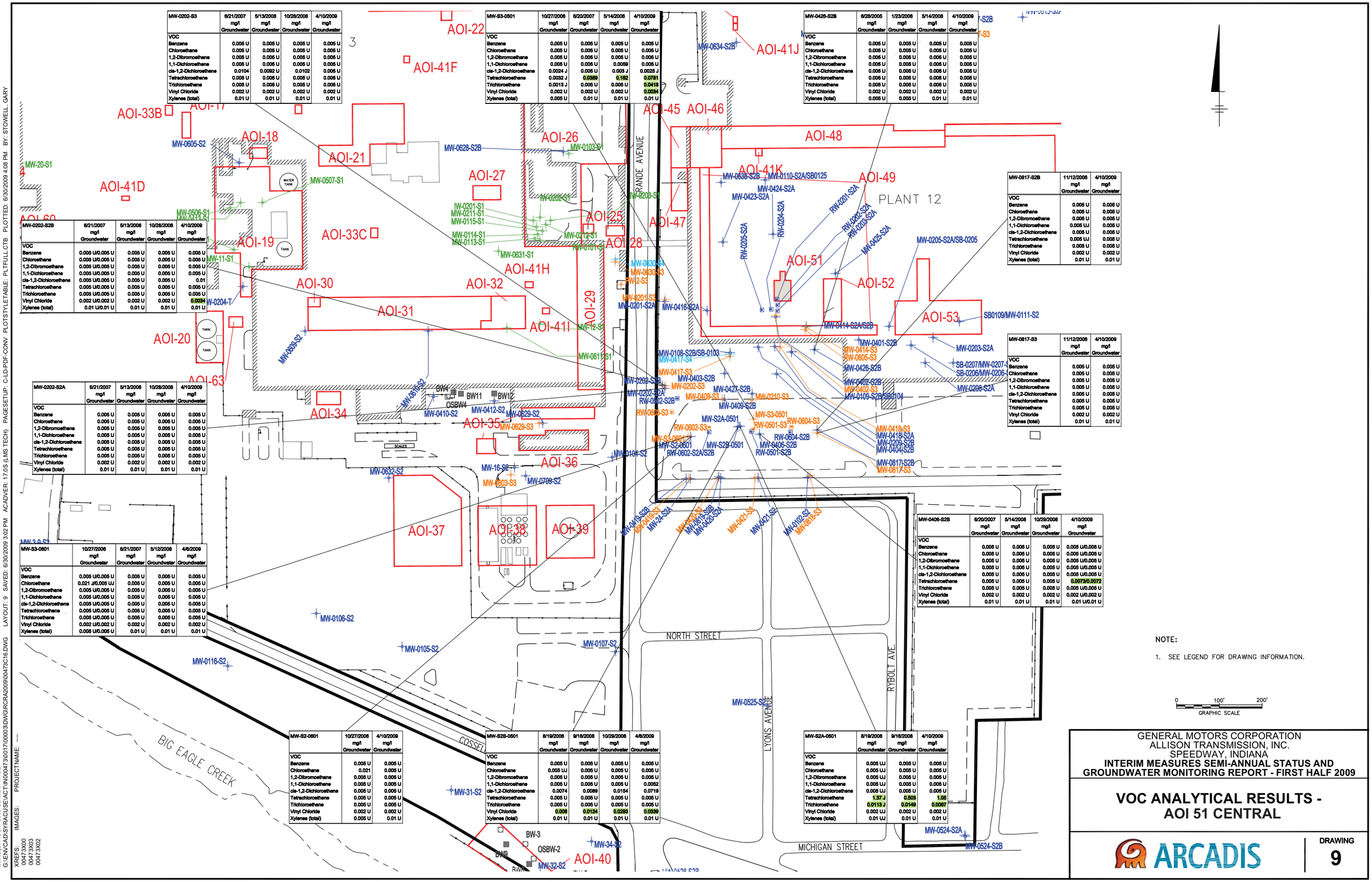

MW-0202-S3	6/21/2007 mg/l Groundwater	5/13/2008 mg/l Groundwater	10/28/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.0104	0.0092 U	0.0102	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-S3-0501	10/27/2006 mg/l Groundwater	6/20/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.0059	0.005 U
cis-1,2-Dichloroethene	0.0024 J	0.005 U	0.003 J	0.0025 J
Tetrachloroethene	0.0032 J	0.0589	0.162	0.0781
Trichloroethene	0.0013 J	0.005 U	0.005 U	0.0418
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.0034
Xylenes (total)	0.005 U	0.01 U	0.01 U	0.01 U

MW-0428-S2B	6/28/2005 mg/l Groundwater	1/23/2008 mg/l Groundwater	5/14/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.005 U	0.01 U	0.01 U

MW-0202-S2B	6/21/2007 mg/l Groundwater	5/13/2008 mg/l Groundwater	10/28/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.01
Tetrachloroethene	0.005 U/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	0.005 U
Vinyl Chloride	0.002 U/0.002 U	0.002 U	0.002 U	0.0034
Xylenes (total)	0.01 U/0.01 U	0.01 U	0.01 U	0.01 U

MW-0817-S2B	11/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 UJ	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U
Tetrachloroethene	0.005 UJ	0.005 U
Trichloroethene	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U

MW-0202-S2A	6/21/2007 mg/l Groundwater	5/13/2008 mg/l Groundwater	10/28/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0817-S3	11/12/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U

MW-S3-0601	10/27/2006 mg/l Groundwater	6/21/2007 mg/l Groundwater	5/12/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.021 J/0.005 UJ	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U/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	0.005 U
Vinyl Chloride	0.002 U/0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U/0.005 U	0.01 U	0.01 U	0.01 U

MW-0406-S2B	6/20/2007 mg/l Groundwater	5/14/2008 mg/l Groundwater	10/29/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U/0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U/0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U/0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U/0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U/0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.0073/0.0072
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U/0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U	0.002 U/0.002 U
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U/0.01 U

MW-S2-0601	10/27/2006 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.021	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U

MW-S2B-0501	8/19/2008 mg/l Groundwater	9/18/2008 mg/l Groundwater	10/29/2008 mg/l Groundwater	4/8/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 UJ	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.0052
cis-1,2-Dichloroethene	0.0074	0.0089	0.0154	0.0719
Tetrachloroethene	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	0.006	0.0124	0.0293	0.0339
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-S2A-0501	8/19/2008 mg/l Groundwater	9/18/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC			
Benzene	0.005 UJ	0.005 U	0.005 U
Chloroethane	0.005 UJ	0.005 U	0.005 U
1,2-Dibromoethane	0.005 UJ	0.005 U	0.005 U
1,1-Dichloroethene	0.005 UJ	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 UJ	0.005 U	0.005 U
Tetrachloroethene	1.37 J	0.503	1.05
Trichloroethene	0.0113 J	0.0149	0.0087
Vinyl Chloride	0.002 UJ	0.002 U	0.002 U
Xylenes (total)	0.01 UJ	0.01 U	0.01 U

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 100' 200'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

VOC ANALYTICAL RESULTS - AOI 51 CENTRAL

ARCADIS

DRAWING
9

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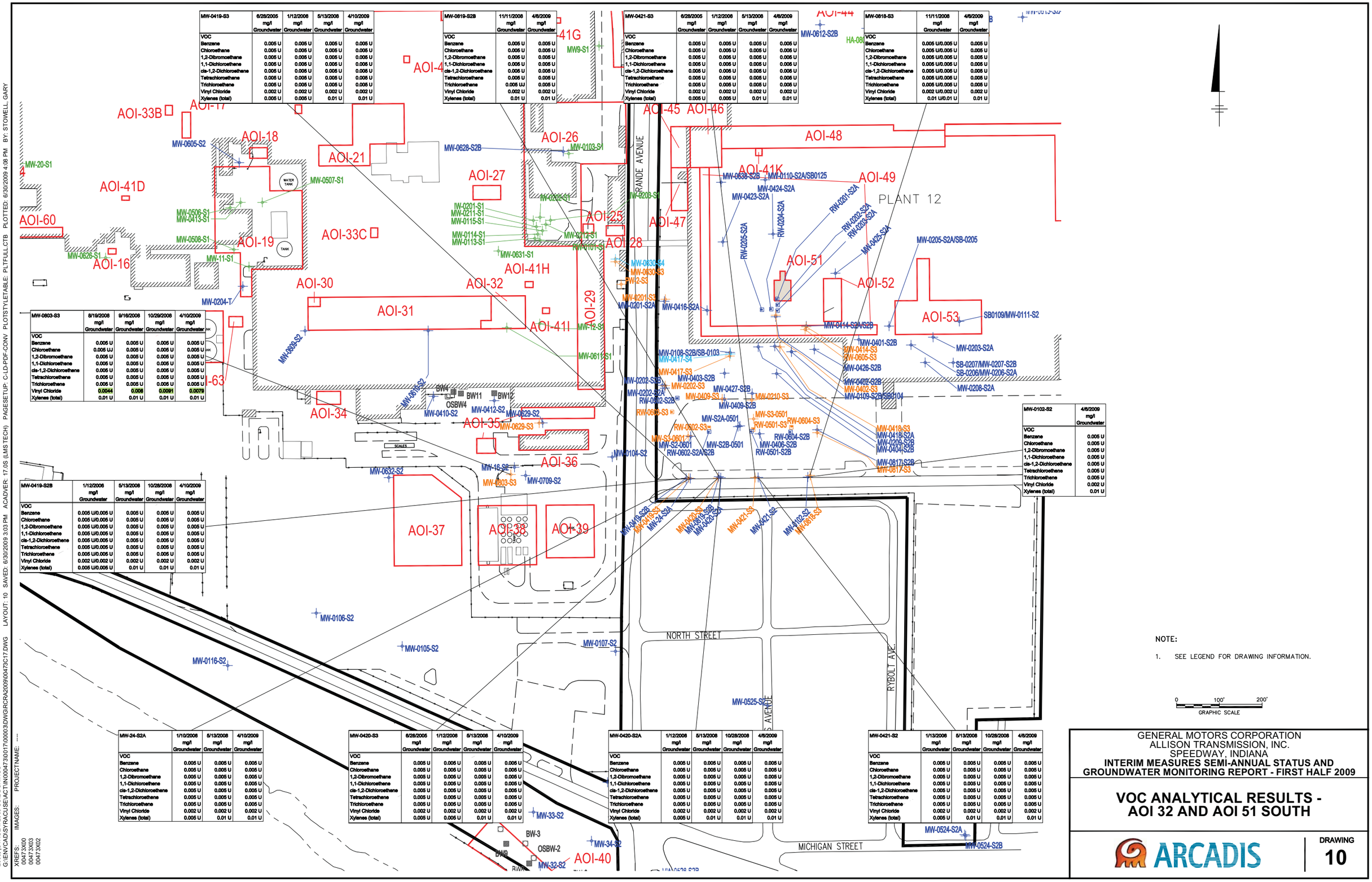

MW-0419-S3	6/28/2005 mg/l Groundwater	1/12/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.005 U	0.01 U	0.01 U

MW-0619-S2B	11/11/2008 mg/l Groundwater	4/6/2009 mg/l Groundwater
VOC		
Benzene	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U
Trichloroethene	0.005 UJ	0.005 U
Vinyl Chloride	0.002 U	0.002 U
Xylenes (total)	0.01 U	0.01 U

MW-0421-S3	6/28/2005 mg/l Groundwater	1/12/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	4/6/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.005 U	0.01 U	0.01 U

MW-0818-S3	11/11/2008 mg/l Groundwater	4/6/2009 mg/l Groundwater
VOC		
Benzene	0.005 U/0.005 U	0.005 U
Chloroethane	0.005 U/0.005 U	0.005 U
1,2-Dibromoethane	0.005 U/0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U
Tetrachloroethene	0.005 U/0.005 U	0.005 U
Trichloroethene	0.005 U/0.005 U	0.005 U
Vinyl Chloride	0.002 U/0.002 U	0.002 U
Xylenes (total)	0.01 U/0.01 U	0.01 U

MW-0803-S3	8/19/2008 mg/l Groundwater	9/16/2008 mg/l Groundwater	10/29/2008 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 UJ	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.0044	0.008	0.0091	0.0079
Xylenes (total)	0.01 U	0.01 U	0.01 U	0.01 U

MW-0102-S2	4/6/2009 mg/l Groundwater
VOC	
Benzene	0.005 U
Chloroethane	0.005 U
1,2-Dibromoethane	0.005 U
1,1-Dichloroethene	0.005 U
cis-1,2-Dichloroethene	0.005 U
Tetrachloroethene	0.005 U
Trichloroethene	0.005 U
Vinyl Chloride	0.002 U
Xylenes (total)	0.01 U

MW-0419-S2B	1/12/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	10/28/2006 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U/0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U/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	0.005 U
Vinyl Chloride	0.002 U/0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U/0.005 U	0.01 U	0.01 U	0.01 U

MW-24-S2A	1/10/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC			
Benzene	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U
Vinyl Chloride	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U	0.01 U

MW-0420-S3	6/28/2005 mg/l Groundwater	1/12/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	4/10/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.005 U	0.01 U	0.01 U

MW-0420-S2A	1/12/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	10/28/2006 mg/l Groundwater	4/6/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U	0.01 U	0.01 U

MW-0421-S2	1/13/2006 mg/l Groundwater	5/13/2006 mg/l Groundwater	10/28/2006 mg/l Groundwater	4/6/2009 mg/l Groundwater
VOC				
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	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	0.002 U	0.002 U	0.002 U	0.002 U
Xylenes (total)	0.005 U	0.01 U	0.01 U	0.01 U

NOTE:

1. SEE LEGEND FOR DRAWING INFORMATION.

0 100' 200'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

VOC ANALYTICAL RESULTS - AOI 32 AND AOI 51 SOUTH

ARCADIS

DRAWING
10

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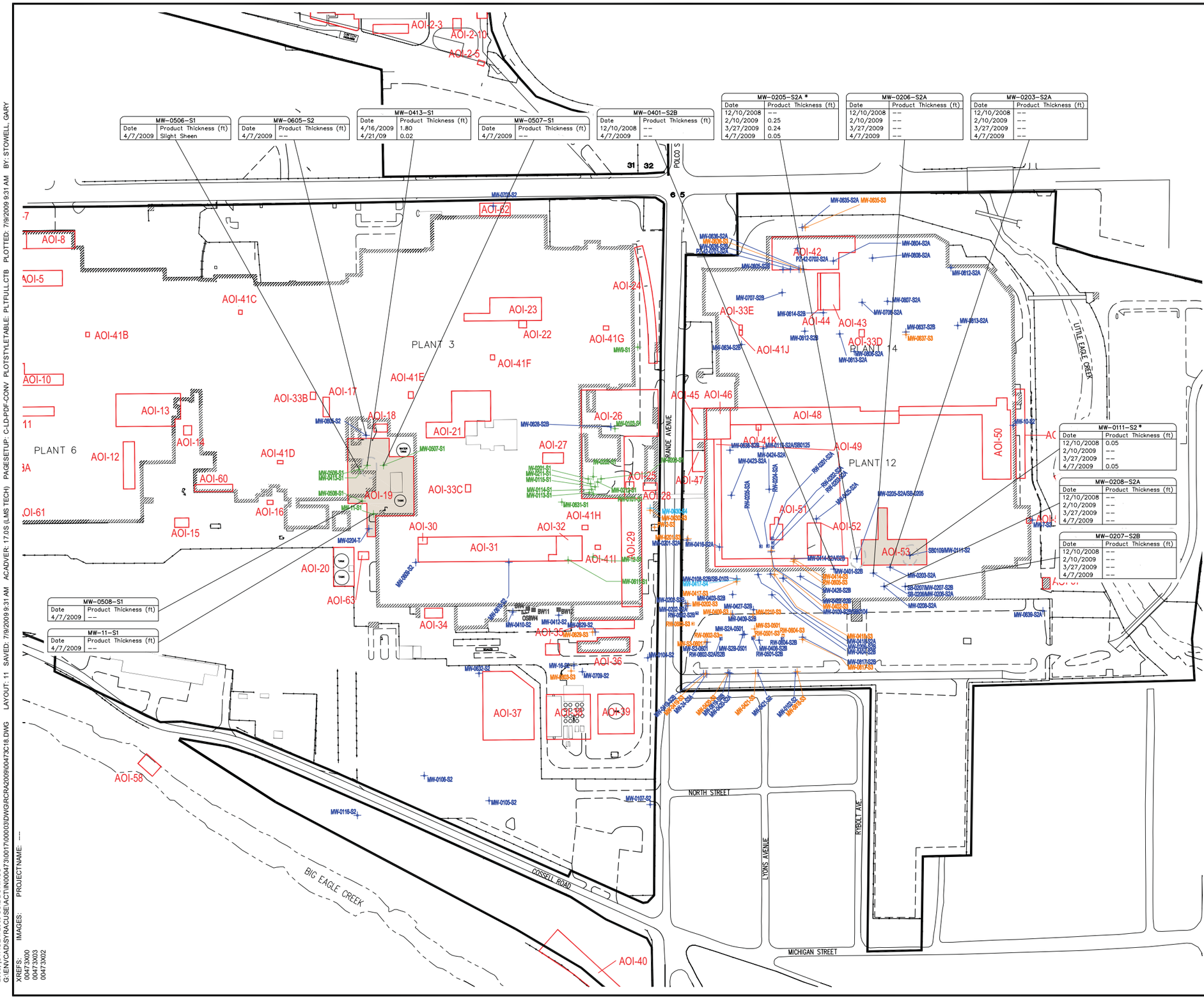

MW-0506-S1	
Date	Product Thickness (ft)
4/7/2009	Slight Sheen

MW-0605-S2	
Date	Product Thickness (ft)
4/7/2009	--

MW-0413-S1	
Date	Product Thickness (ft)
4/16/2009	1.80
4/21/09	0.02

MW-0507-S1	
Date	Product Thickness (ft)
4/7/2009	--

MW-0401-S2B	
Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0205-S2A *	
Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	0.25
3/27/2009	0.24
4/7/2009	0.05

MW-0206-S2A	
Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0203-S2A	
Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0508-S1	
Date	Product Thickness (ft)
4/7/2009	--

MW-11-S1	
Date	Product Thickness (ft)
4/7/2009	--

MW-0111-S2 *	
Date	Product Thickness (ft)
12/10/2008	0.05
2/10/2009	--
3/27/2009	--
4/7/2009	0.05

MW-0208-S2A	
Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0207-S2B	
Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

NOTES:

MW-0413-S1	
Date	Product Thickness (ft)
1/18/2008	0.70
4/3/2008	1.57

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.

0 150' 300'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

OBSERVED LNAPL THICKNESS AOI 19 AND AOI 53 JULY 2008 - JUNE 2009

ARCADIS

DRAWING
11

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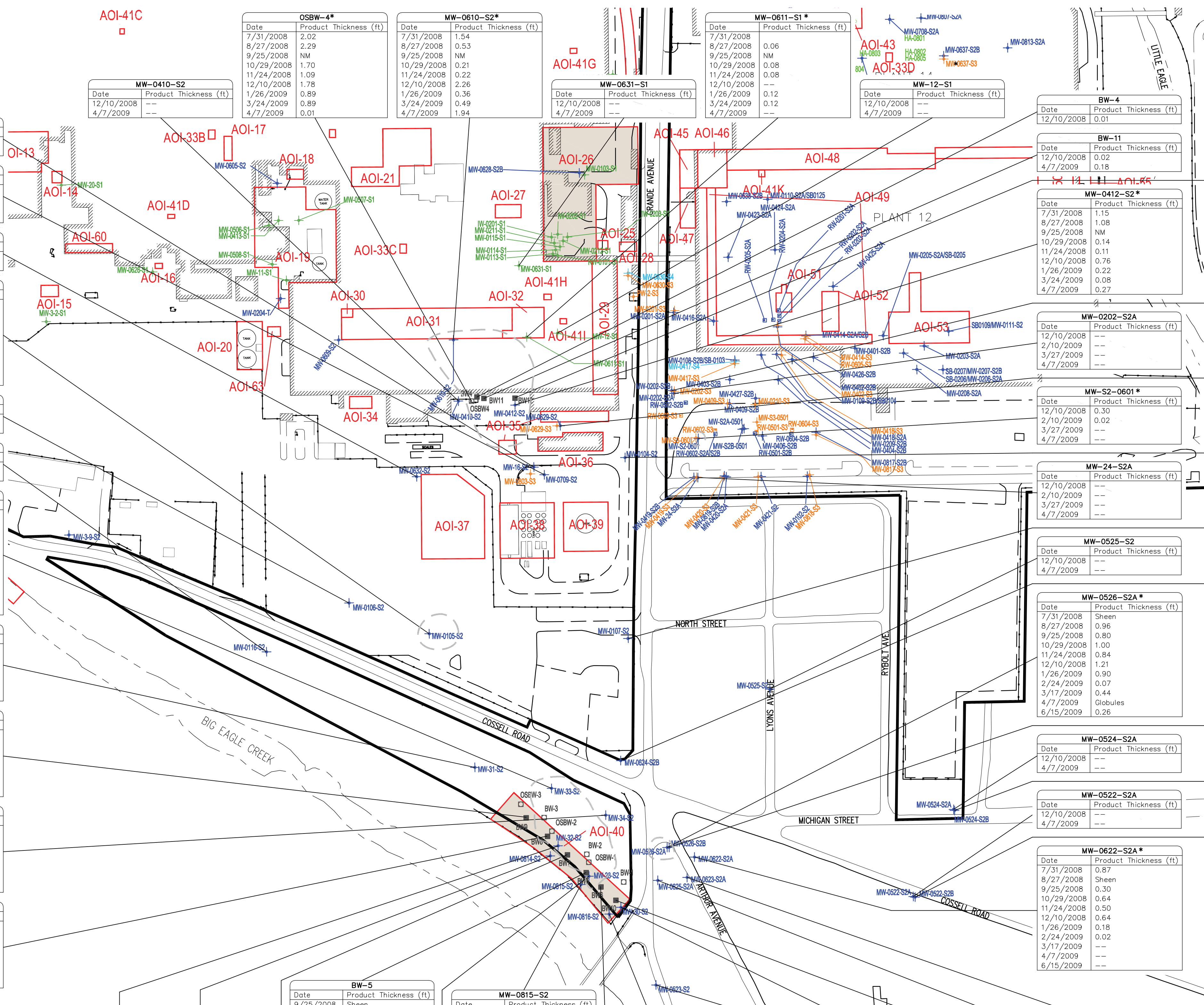

MW-16-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0709-S2

Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0632-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0105-S2 *

Date	Product Thickness (ft)
7/31/2008	0.03
8/27/2008	1.27
9/25/2008	NM
10/29/2008	0.51
11/24/2008	0.42
12/10/2008	--
1/26/2009	0.34
3/24/2009	0.33
4/7/2009	NM

MW-0106-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0116-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-33-S2 *

Date	Product Thickness (ft)
7/31/2008	0.05
8/27/2008	0.73
9/25/2008	0.19
10/29/2008	0.62
11/24/2008	0.63
12/10/2008	0.87
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	0.41

MW-31-S2 *

Date	Product Thickness (ft)
12/10/2008	0.04
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

BW-9

Date	Product Thickness (ft)
9/25/2008	Sheen
12/10/2008	0.63
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-34-S2 *

Date	Product Thickness (ft)
9/25/2008	Sheen
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

BW-8

Date	Product Thickness (ft)
9/25/2008	0.01
12/10/2008	--
1/26/2009	0.08
2/24/2009	0.98
3/17/2009	--
4/7/2009	0.10
6/15/2009	1.78

MW-0410-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

OSBW-4*

Date	Product Thickness (ft)
7/31/2008	2.02
8/27/2008	2.29
9/25/2008	NM
10/29/2008	1.70
11/24/2008	1.09
12/10/2008	1.78
1/26/2009	0.89
3/24/2009	0.89
4/7/2009	0.01

MW-0610-S2*

Date	Product Thickness (ft)
7/31/2008	1.54
8/27/2008	0.53
9/25/2008	NM
10/29/2008	0.21
11/24/2008	0.22
12/10/2008	2.26
1/26/2009	0.36
3/24/2009	0.49
4/7/2009	1.94

MW-0631-S1

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0611-S1 *

Date	Product Thickness (ft)
7/31/2008	
8/27/2008	0.06
9/25/2008	NM
10/29/2008	0.08
11/24/2008	0.08
12/10/2008	--
1/26/2009	0.12
3/24/2009	0.12
4/7/2009	--

MW-12-S1

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

BW-4

Date	Product Thickness (ft)
12/10/2008	0.01

BW-11

Date	Product Thickness (ft)
12/10/2008	0.02
4/7/2009	0.18

BW-12

Date	Product Thickness (ft)
12/10/2008	2.19

MW-0412-S2 *

Date	Product Thickness (ft)
7/31/2008	1.15
8/27/2008	1.08
9/25/2008	NM
10/29/2008	0.14
11/24/2008	0.11
12/10/2008	0.76
1/26/2009	0.22
3/24/2009	0.08
4/7/2009	0.27

MW-0202-S2B

Date	Product Thickness (ft)
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0202-S2A

Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0629-S2

Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-S2-0601 *

Date	Product Thickness (ft)
12/10/2008	0.30
2/10/2009	0.02
3/27/2009	--
4/7/2009	--

MW-0104-S2

Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-24-S2A

Date	Product Thickness (ft)
12/10/2008	--
2/10/2009	--
3/27/2009	--
4/7/2009	--

MW-0107-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0525-S2

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0624-S2B

Date	Product Thickness (ft)
9/25/2008	--
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0526-S2A *

Date	Product Thickness (ft)
7/31/2008	Sheen
8/27/2008	0.96
9/25/2008	0.80
10/29/2008	1.00
11/24/2008	0.84
12/10/2008	1.21
1/26/2009	0.90
2/24/2009	0.07
3/17/2009	0.44
4/7/2009	Globules
6/15/2009	0.26

MW-0526-S2B

Date	Product Thickness (ft)
9/25/2008	--
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0524-S2A

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0524-S2B

Date	Product Thickness (ft)
4/7/2009	--

MW-0522-S2A

Date	Product Thickness (ft)
12/10/2008	--
4/7/2009	--

MW-0522-S2B

Date	Product Thickness (ft)
4/7/2009	--

MW-0622-S2A *

Date	Product Thickness (ft)
7/31/2008	0.87
8/27/2008	Sheen
9/25/2008	0.30
10/29/2008	0.64
11/24/2008	0.50
12/10/2008	0.64
1/26/2009	0.18
2/24/2009	0.02
3/17/2009	--
4/7/2009	--
6/15/2009	--

BW-5

Date	Product Thickness (ft)
9/25/2008	Sheen
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	0.01
4/7/2009	0.01
6/15/2009	0.11

MW-0815-S2

Date	Product Thickness (ft)
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0814-S2

Date	Product Thickness (ft)
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0816-S2

Date	Product Thickness (ft)
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-30-S2 *

Date	Product Thickness (ft)
9/25/2008	0.06
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0625-S2A

Date	Product Thickness (ft)
9/25/2008	--
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-28-S2 *

Date	Product Thickness (ft)
7/31/2008	0.10
8/27/2008	0.16
9/25/2008	Sheen
10/29/2008	0.11
11/24/2008	0.18
12/10/2008	0.39
1/26/2009	0.09
2/24/2009	--
3/17/2009	--
4/7/2009	Globules
6/15/2009	--

MW-32-S2 *

Date	Product Thickness (ft)
9/25/2008	Sheen
12/10/2008	0.43
1/26/2009	0.14
2/24/2009	0.04
3/17/2009	--
4/7/2009	--
6/15/2009	--

BW-7

Date	Product Thickness (ft)
9/25/2008	Sheen
12/10/2008	0.89
1/26/2009	0.17
2/24/2009	0.98
3/17/2009	--
4/7/2009	0.87
6/15/2009	0.01

BW-6

Date	Product Thickness (ft)
9/25/2008	0.02
12/10/2008	0.29
1/26/2009	--
2/24/2009	0.02
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0523-S2

Date	Product Thickness (ft)
9/25/2008	--
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

BW-10

Date	Product Thickness (ft)
9/25/2008	Sheen
12/10/2008	--
1/26/2009	0.01
2/24/2009	0.13
3/17/2009	--
4/7/2009	--
6/15/2009	--

MW-0623-S2A

Date	Product Thickness (ft)
9/25/2008	--
12/10/2008	--
1/26/2009	--
2/24/2009	--
3/17/2009	--
4/7/2009	--
6/15/2009	--

NOTES:

BW-12 — LOCATION NAME

Date	Product Thickness (ft)
12/10/2008	2.19

- 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.

0 150' 300'
GRAPHIC SCALE

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS AND GROUNDWATER MONITORING REPORT - FIRST HALF 2009

OBSERVED LNAPL THICKNESS AOI-26 AND AOI-40 JULY 2008 - JUNE 2009

ARCADIS

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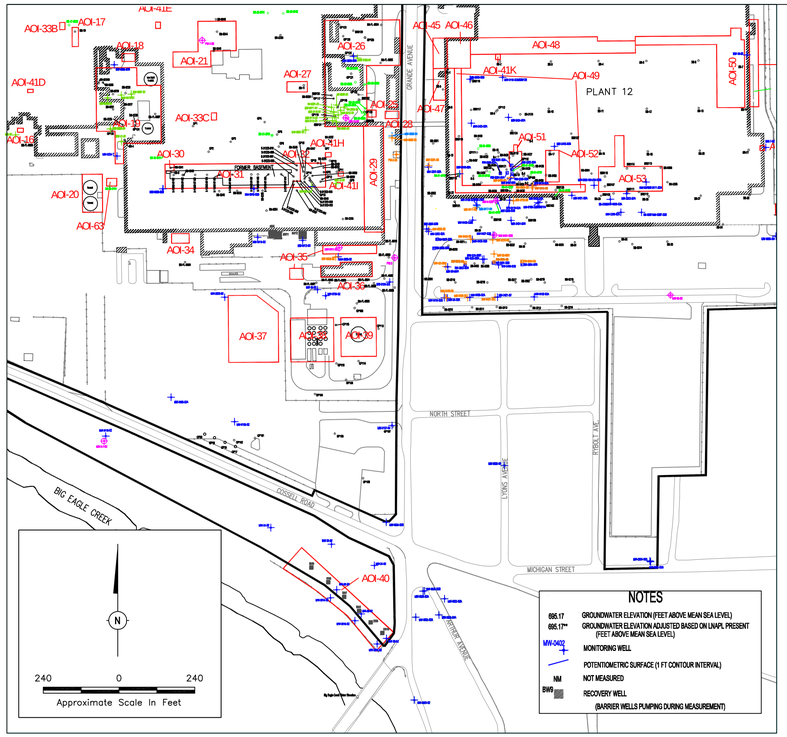
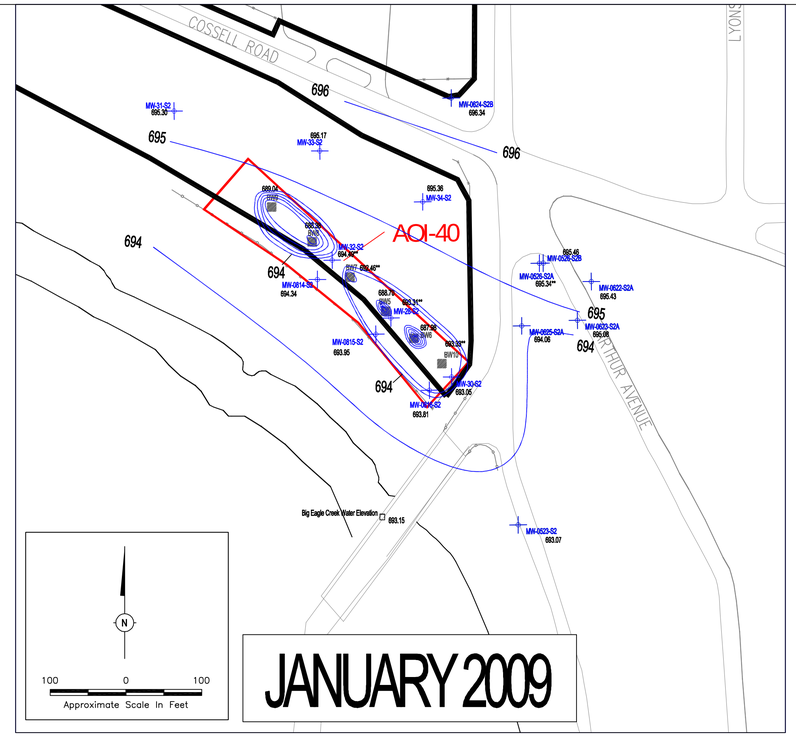
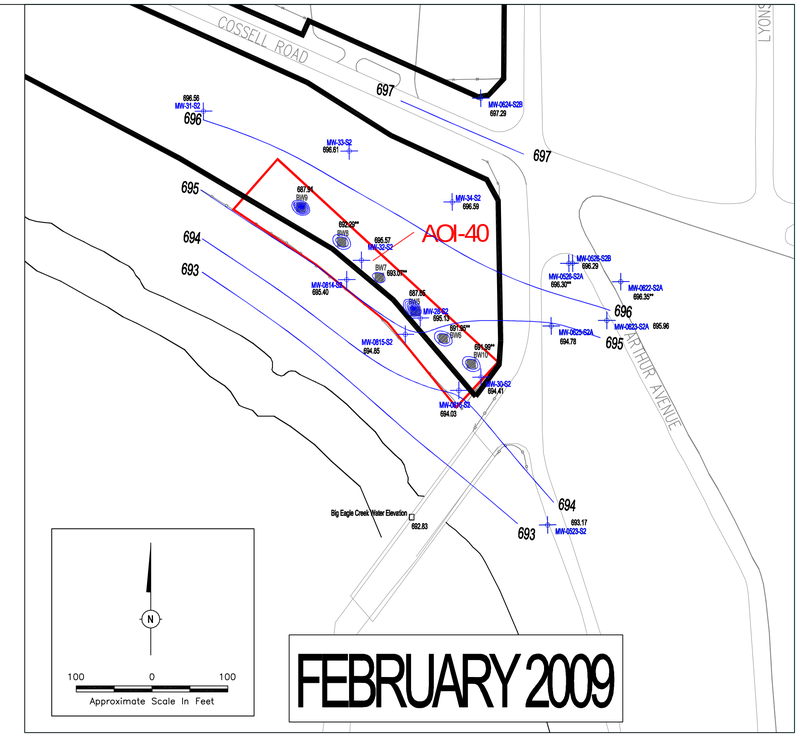
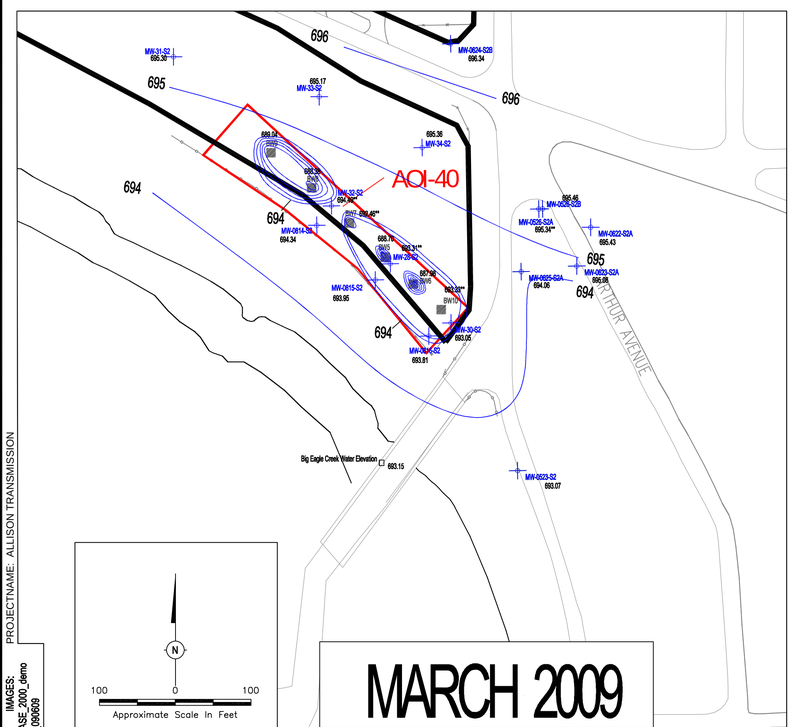
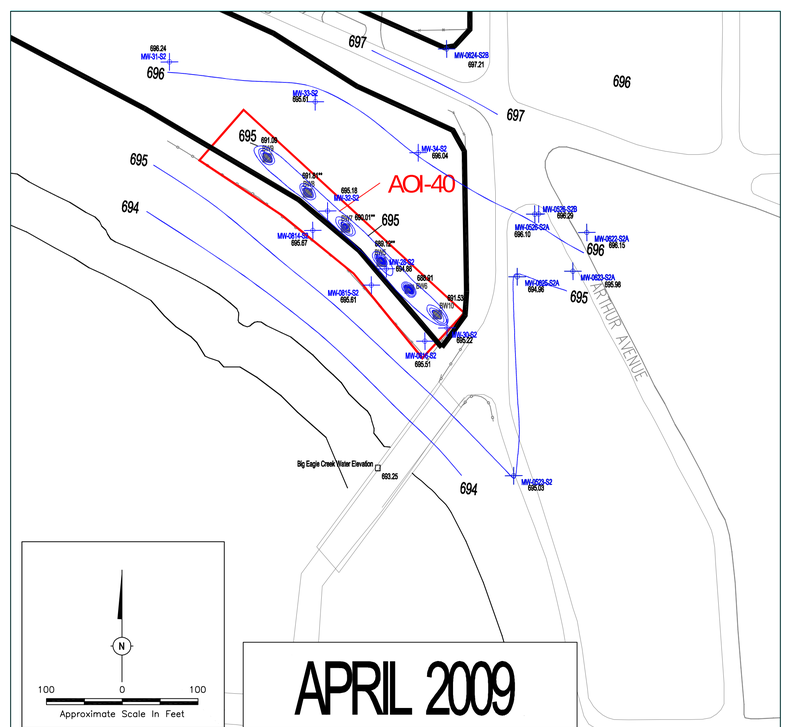
12

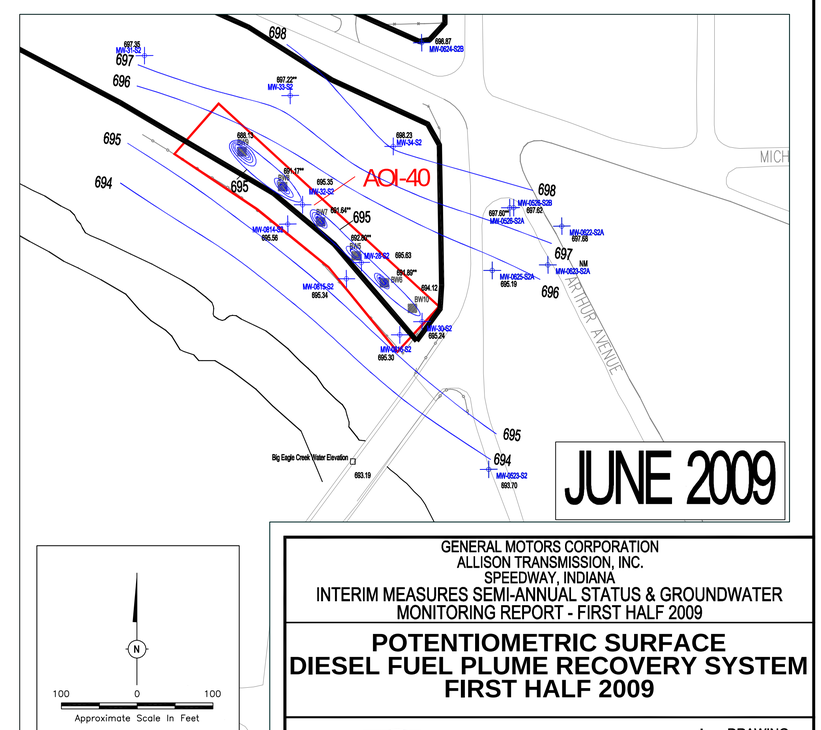












GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009

POTENTIOMETRIC SURFACE
DIESEL FUEL PLUME RECOVERY SYSTEM
FIRST HALF 2009

ARCADIS

DRAWING
13

CITY:(Reqd) DIV/GROUP:(Reqd) DB:(Reqd) LD:(Opt) PIC:(Opt) PM:(Reqd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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CITY:INDIANAPOLIS DIV/GROUP: SER DB: HGL LD:HGL PM:J. COSGROVE TM:S.FISHER G:\APROJECT\ALLISTRN\IN0473\019-OMM\Remediation Status Report\First Half 2009\Figures\FDS pot maps\S2A_feb-2009_090623.dwg LAYOUT: 14 SAVED: 7/8/2009 5:19 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: — PLOTSTYLETABLE: –.CTB PLOTTED: 7/8/2009 5:20 PM BY: GASTINEAU-LYONS, HEATHER

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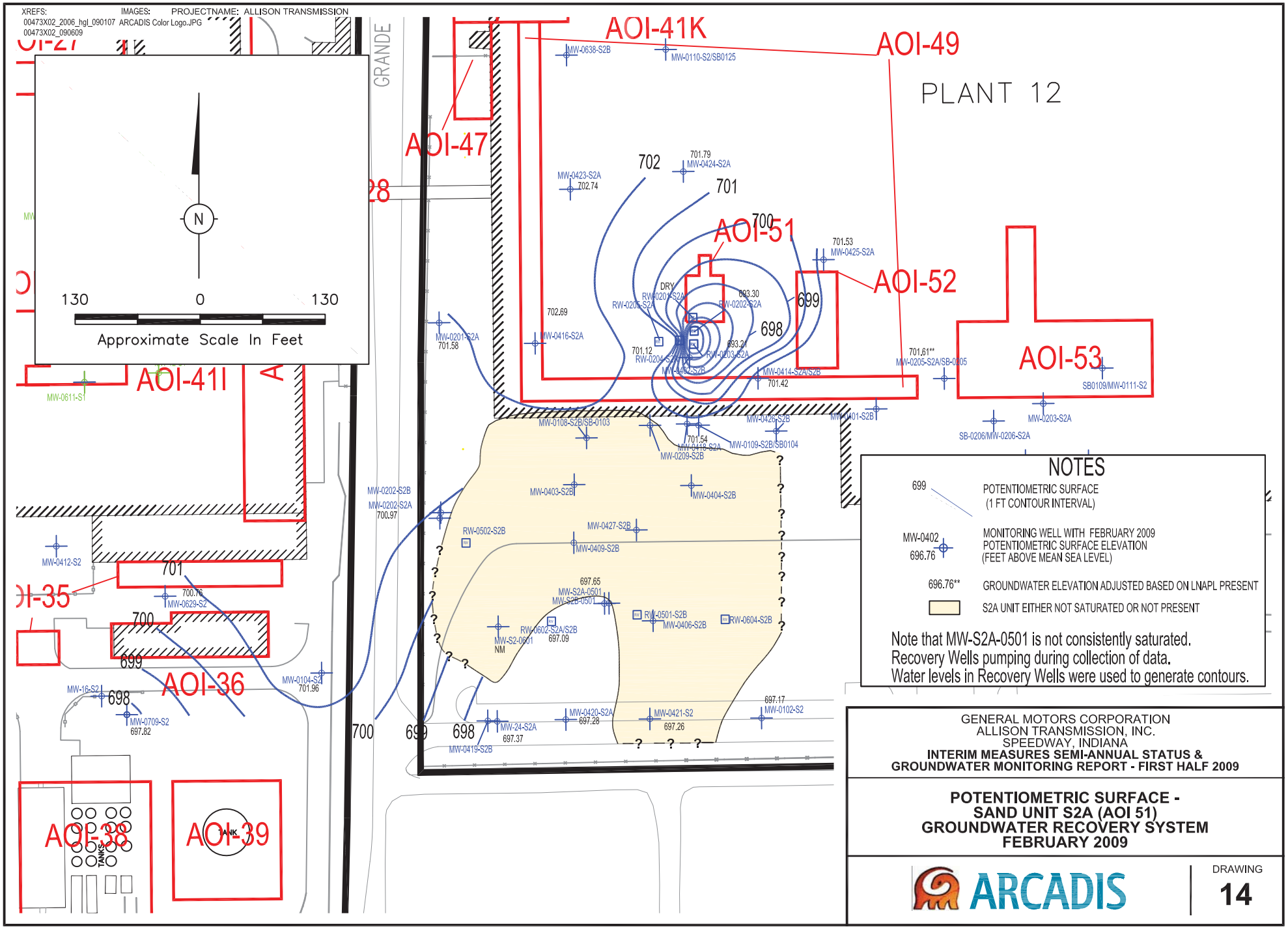
PROJECTNAME: ALLISON TRANSMISSION



GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009

POTENTIOMETRIC SURFACE - SAND UNIT S2A (AOI 51) GROUNDWATER RECOVERY SYSTEM FEBRUARY 2009

ARCADIS

DRAWING **14**

CITY:INDIANAPOLIS DIV/GROUP: SER DB: HGL LD:HGL PM:J. COSGROVE TM:S.FISHER G:\APROJECT\ALLISTRN\IN0473\019-OMM\Remediation Status Report\First Half 2009\Figures\FDS pot maps\S2B_FEB-2009_090304.dwg LAYOUT: 15 SAVED: 7/8/2009 4:52 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ---.CTB PLOTTED: 7/8/2009 4:54 PM BY: GASTINEAU-LYONS, HEATHER

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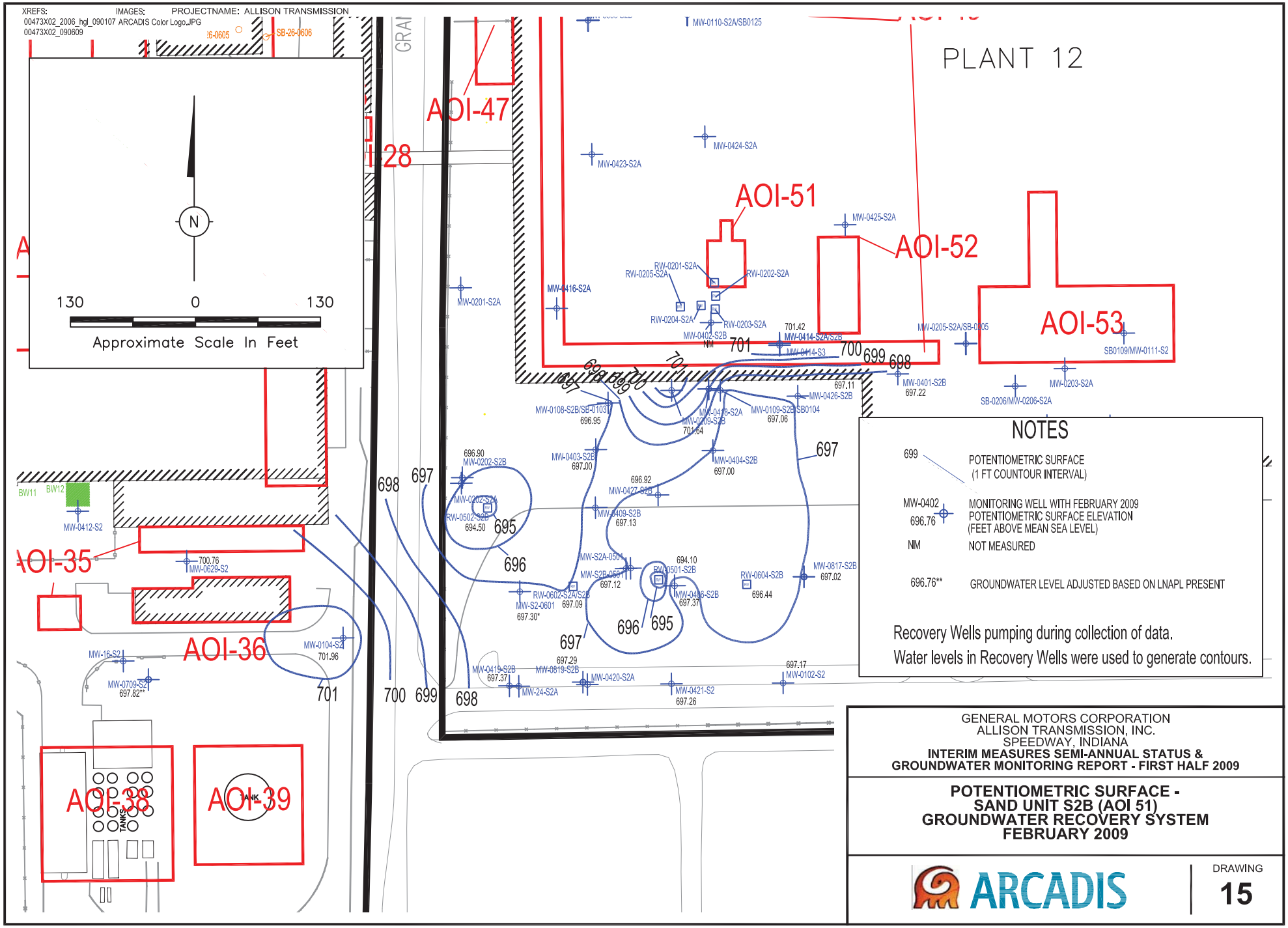
00473X02_090609



GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS & GROUNDWATER MONITORING REPORT - FIRST HALF 2009

POTENTIOMETRIC SURFACE - SAND UNIT S2B (AOI 51) GROUNDWATER RECOVERY SYSTEM FEBRUARY 2009

ARCADIS

DRAWING
15

CITY:INDIANAPOLIS DIV/GROUP: SER DB: HGL LD:HGL PM:J. COSGROVE TM:S.FISHER G:\APROJECT\ALLISTRNN\0473\019-OMM\Remediation Status Report\First Half 2009\Figures\FDS pot maps\S3_FEBRUARY 2009_090304.dwg LAYOUT: 16 SAVED: 7/13/2009 9:46 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: --.CTB PLOTTED: 7/13/2009 9:46 AM BY: GASTINEAU-LYONS, HEATHER

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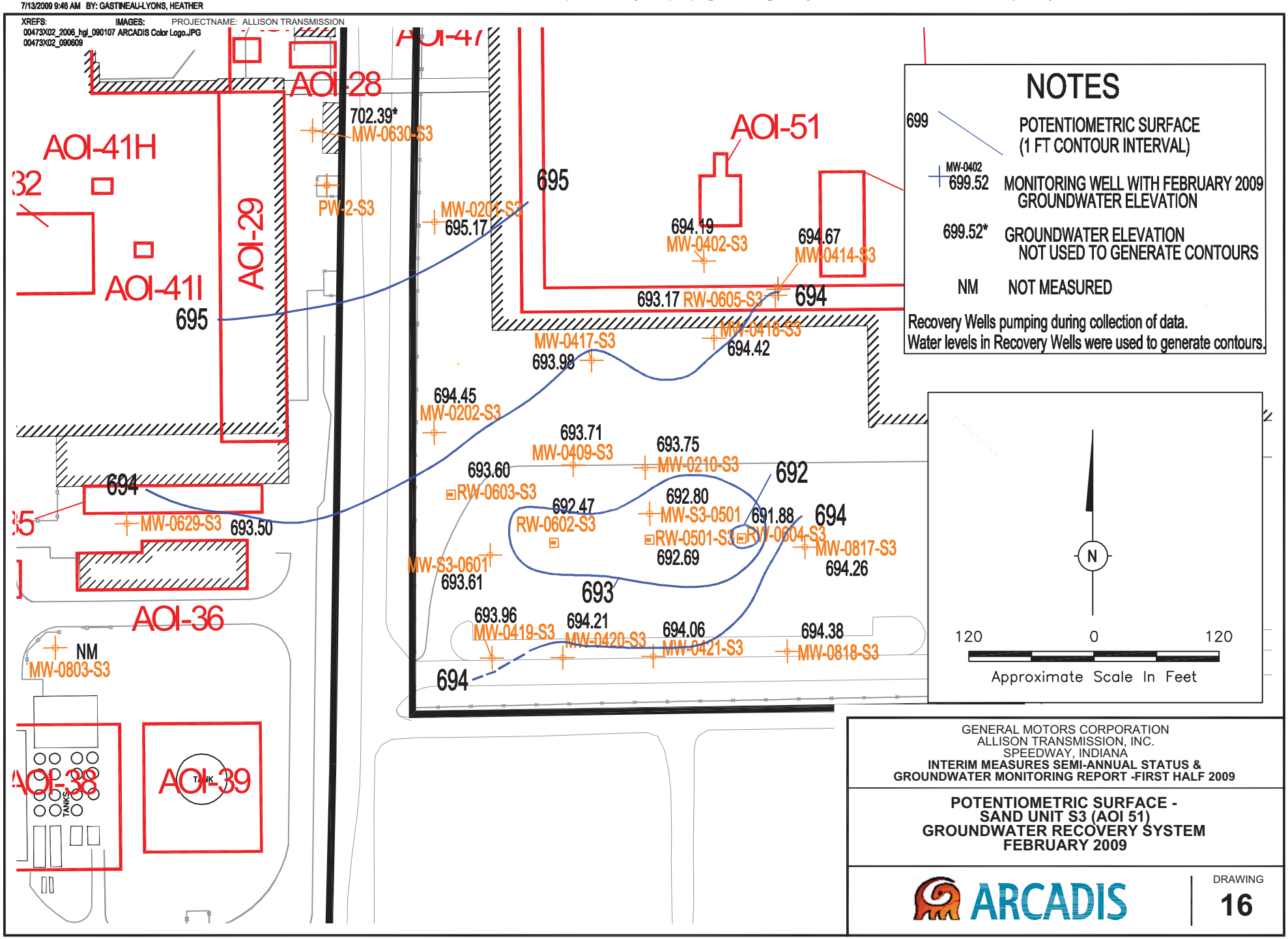

GENERAL MOTORS CORPORATION
ALLISON TRANSMISSION, INC.
SPEEDWAY, INDIANA
INTERIM MEASURES SEMI-ANNUAL STATUS &
GROUNDWATER MONITORING REPORT -FIRST HALF 2009

POTENTIOMETRIC SURFACE -
SAND UNIT S3 (AOI 51)
GROUNDWATER RECOVERY SYSTEM
FEBRUARY 2009

ARCADIS

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16

AN ENVIRONMENTAL ANALYTICAL LABORATORY

2/3/2009
Ms. Heather Gastineau-Lyons
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN000473.0019.7

Dear Ms. Heather Gastineau-Lyons

The following report includes the data for the above referenced project for sample(s) received on 1/21/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brandon Dunmore at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brandon M. Dunmore

Brandon Dunmore
Project Manager

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0901352

Work Order Summary

CLIENT:	Ms. Heather Gastineau-Lyons ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Mr. Terry Smiley ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204
PHONE:	317-231-6500	**P.O. #**	IN473.19.7
FAX:	317-231-6514	**PROJECT #**	IN000473.0019.7 Allison Trans
DATE RECEIVED:	01/21/2009	**CONTACT:**	Brandon Dunmore
DATE COMPLETED:	02/03/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE_Blower_Eff (012009)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	Air_Stripper_Eff (012009)	Modified TO-15	Tedlar Bag	Tedlar Bag
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Freeman DATE: 02/03/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. 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 Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
ARCADIS, Inc.
Workorder# 0901352

Two 1 Liter Tedlar Bag samples were received on January 21, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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 no 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.
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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE_Blower_Eff (012009)

Lab ID#: 0901352-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	7.2	32	28	130
Trichloroethene	7.2	61	38	330
Tetrachloroethene	7.2	2300	48	16000

Client Sample ID: Air_Stripper_Eff (012009)

Lab ID#: 0901352-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	0.50	6.2	2.0	24
1,1,1-Trichloroethane	0.50	1.1	2.7	6.0
Trichloroethene	0.50	1.5	2.7	8.3
Tetrachloroethene	0.50	100	3.4	700
Toluene	0.50	2.0	1.9	7.6

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVE_Blower_Eff (012009)

Lab ID#: 0901352-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t012216**	**Date of Collection:**	**1/20/09**
Dil. Factor:	**14.3**	**Date of Analysis:**	**1/22/09 09:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	7.2	32	28	130
Chloroform	7.2	Not Detected	35	Not Detected
1,1,1-Trichloroethane	7.2	Not Detected	39	Not Detected
Trichloroethene	7.2	61	38	330
Tetrachloroethene	7.2	2300	48	16000
Cumene	7.2	Not Detected	35	Not Detected
Toluene	7.2	Not Detected	27	Not Detected

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Air_Stripper_Eff (012009)

Lab ID#: 0901352-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t012217**	**Date of Collection:**	**1/20/09**
Dil. Factor:	**1.00**	**Date of Analysis:**	**1/22/09 10:05 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	0.50	6.2	2.0	24
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	1.1	2.7	6.0
Trichloroethene	0.50	1.5	2.7	8.3
Tetrachloroethene	0.50	100	3.4	700
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	2.0	1.9	7.6

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	108	70-130
1,2-Dichloroethane-d4	88	70-130
4-Bromofluorobenzene	104	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0901352-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t012204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/22/09 10:07 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	104	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	93	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0901352-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t012202**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 1/22/09 08:22 AM**

Compound	**%Recovery**
cis-1,2-Dichloroethene	112
Chloroform	112
1,1,1-Trichloroethane	110
Trichloroethene	106
Tetrachloroethene	101
Cumene	108
Toluene	106

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0901352-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t012203**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 1/22/09 09:16 AM**

Compound	**%Recovery**
cis-1,2-Dichloroethene	108
Chloroform	106
1,1,1-Trichloroethane	103
Trichloroethene	98
Tetrachloroethene	90
Cumene	97
Toluene	101

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	99	70-130

GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

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

0901352

PAGE 1 OF 1

ID # Nº 08794

SSOW Ref. Code:

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St	Copy To: S Fisher
#800	Invoice To Corporate
Indpls, IN 46204	P.O.: IN473.19.7
Phone: 317-231-6500	Project Name Allison Trans
Fax: x6514	Project Number: IN000735019.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Air Toxics	
Laboratory Location: Folsom, CA	
Laboratory Contact:	
Requested Due Date	TAT: 5d
QA/QC Requirements:	

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

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Preservative: Unpreserved	EDI	H2SO4	HNO3	NaOH	Other	Analysis and Method: Modified TO-15*									Remarks/Lab ID
01A	SVE_Blower_Eff (012009)	GE	20Jan09	1415	2	2						2									
02A	Air_Stripper_Eff (012009)	GE	20Jan09	1430	2	2						2									
3.																					
4.																					
5.																					
6.																					
7.	FEDEX 7962 6841 [illegible]																				
8.	CUSTODY SEAL INTACT? Y N NONE TEMP N/A																				
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					

TOTAL NUMBER OF CONTAINERS 4

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fedex	1 lrg box	Rob Andrzejewski / Arcadis	20Jan09	1700	[illegible] AIR 1/21/09	0900	
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 call w/ any questions

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski Date: 20Jan09

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

REV. 0 (8/04)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

2/20/2009
Ms. Heather Gastineau-Lyons
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 0902222

Dear Ms. Heather Gastineau-Lyons

The following report includes the data for the above referenced project for sample(s) received on 2/11/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brandon Dunmore at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brandon M. Dunmore

Brandon Dunmore
Project Manager

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0902222

Work Order Summary

CLIENT:	Ms. Heather Gastineau-Lyons ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Mr. Terry Smiley ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204
PHONE:	317-231-6500	**P.O. #**	IN473.19.7
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	02/11/2009	**CONTACT:**	Brandon Dunmore
DATE COMPLETED:	02/13/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Air_Stripper_Eff(021009)	Modified TO-15		
02A	SVE_Blower_Eff(021009)	Modified TO-15		
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Freeman DATE: 02/20/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. 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 Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
ARCADIS, Inc.
Workorder# 0902222

Two 1 Liter Tedlar Bag samples were received on February 11, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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.
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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Air_Stripper_Eff(021009)

Lab ID#: 0902222-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	0.50	5.2	2.0	20
1,1,1-Trichloroethane	0.50	0.94	2.7	5.1
Trichloroethene	0.50	0.86	2.7	4.6
Tetrachloroethene	0.50	18	3.4	120
Toluene	0.50	2.8	1.9	11

Client Sample ID: SVE_Blower_Eff(021009)

Lab ID#: 0902222-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	10	27	40	110
Trichloroethene	10	51	54	280
Tetrachloroethene	10	2400	68	17000

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Air_Stripper_Eff(021009)

Lab ID#: 0902222-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7021209**	**Date of Collection:**	**2/10/09**
Dil. Factor:	**1.00**	**Date of Analysis:**	**2/12/09 03:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	0.50	5.2	2.0	20
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	0.94	2.7	5.1
Trichloroethene	0.50	0.86	2.7	4.6
Tetrachloroethene	0.50	18	3.4	120
Cumene	0.50	Not Detected	2.4	Not Detected
Toluene	0.50	2.8	1.9	11

Container Type: 1 Liter Tedlar Bag

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	104	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVE_Blower_Eff(021009)

Lab ID#: 0902222-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7021210**	**Date of Collection:**	**2/10/09**
Dil. Factor:	**20.0**	**Date of Analysis:**	**2/12/09 04:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
cis-1,2-Dichloroethene	10	27	40	110
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	51	54	280
Tetrachloroethene	10	2400	68	17000
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	101	70-130
1,2-Dichloroethane-d4	95	70-130
4-Bromofluorobenzene	99	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0902222-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7021206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/12/09 12:31 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	101	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0902222-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7021202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/12/09 08:54 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	102
Chloroform	97
1,1,1-Trichloroethane	97
Trichloroethene	101
Tetrachloroethene	96
Cumene	95
Toluene	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	90	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0902222-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7021204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 2/12/09 11:06 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	104
Chloroform	97
1,1,1-Trichloroethane	97
Trichloroethene	93
Tetrachloroethene	92
Cumene	92
Toluene	103

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	98	70-130

GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

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

0902222

PAGE 1 OF 1

ID # № 08912

SSOW Ref. Code:

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN473.19.7
Phone: 317-231-6500	Project Name: Allison Trans
Fax x6514	Project Number: IN473.19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Air Toxics	
Laboratory Location: Folsom, CA	
Laboratory Contact:	
Requested Due Date	TAT: 3-4d
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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other	Method TO-15	Remarks/Lab ID:
01A 1. Air-Stripper-Eff (021009)	GE	10Feb09	1100	2	2						2	
02A 2. SVE-Blower-Eff (021009)	GE	10Feb09	1115	2	2						2	
3.												
4.												
5												
6												
7.												
8												
9												
10.												
11.												
12.												
13.												
14												
15												
TOTAL NUMBER OF CONTAINERS				4								

Analysis and Method

Preservative

CUSTODY SEAL INTACT? Y N NONE TEMP N/A

7965 2909 7072

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
FedEx	1 lrg box	Rob Andrzejewski / Arcadis	10Feb09	1200	Cliff ATL	2/11/09	0910
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
Call w/ questions

Sampler Name: Rob Andrzejewski

Sampler Signature: [signature] Date: 10Feb09

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

REV. 0 (6/04)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

3/31/2009
Ms. Heather Gastineau-Lyons
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: Allison Trans
Project #: IN473.19.7
Workorder #: 0903450

Dear Ms. Heather Gastineau-Lyons

The following report includes the data for the above referenced project for sample(s) received on 3/18/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brandon Dunmore at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brandon M. Dunmore

Brandon Dunmore
Project Manager

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0903450

Work Order Summary

CLIENT:	Ms. Heather Gastineau-Lyons ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Mr. Terry Smiley ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204
PHONE:	317-231-6500	**P.O. #**	IN473.19.7
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 Allison Trans
DATE RECEIVED:	03/18/2009	**CONTACT:**	Brandon Dunmore
DATE COMPLETED:	03/31/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE_Blower_Eff_031709	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	Lab Blank	Modified TO-15	NA	NA
03A	CCV	Modified TO-15	NA	NA
04A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Freeman DATE: 03/31/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. 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 Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
ARCADIS, Inc.
Workorder# 0903450

One 1 Liter Tedlar Bag sample was received on March 18, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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 no 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.

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE_Blower_Eff_031709

Lab ID#: 0903450-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	20	26	81
Trichloroethene	6.6	34	36	180
Tetrachloroethene	6.6	2100	45	14000

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVE_Blower_Eff_031709

Lab ID#: 0903450-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**x031823**	**Date of Collection:**	**3/17/09 9:30:00 AM**
Dil. Factor:	**13.3**	**Date of Analysis:**	**3/19/09 02:19 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	20	26	81
Chloroform	6.6	Not Detected	32	Not Detected
1,1,1-Trichloroethane	6.6	Not Detected	36	Not Detected
Trichloroethene	6.6	34	36	180
Tetrachloroethene	6.6	2100	45	14000
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	98	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0903450-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**x031815**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/09 07:31 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	99	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	92	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0903450-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**x031803a**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/09 10:14 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	97
Chloroform	100
1,1,1-Trichloroethane	104
Trichloroethene	99
Tetrachloroethene	100
Cumene	100
Toluene	100

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	102	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0903450-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**x031812**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/18/09 04:39 PM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	85
Chloroform	87
1,1,1-Trichloroethane	90
Trichloroethene	88
Tetrachloroethene	91
Cumene	89
Toluene	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	100	70-130

GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

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

0903450

PAGE 1 OF 1

ID # № 08768

SSOW Ref. Code

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St	Copy To: S Fisher
#800	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN473.19.7
Phone: 317-231-6500	Project Name: Allison Trans
Fax: -6614	Project Number: IN473.19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Air Toxics
Laboratory Location:	Folsom, CA
Laboratory Contact:	
Requested Due Date:	TAT: 3 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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other	Modified TO-15	Remarks/Lab ID
01A	1. SVE_Blower_Eff_031709	SE	17Mar09	0930	2	2						2	
	2.												
	3.												
	4.												
	5.												
	6.												
	7.												
	8. FED EX 7974 2190 3303												
	9. CUSTODY SEAL INTACT? Y N NONE TEMP N/A												
	10.												
	11.												
	12.												
	13.												
	14.												
	15.												
	TOTAL NUMBER OF CONTAINERS				2								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fedex	1 ind	Robert Andrzejewski / Arcadis	17Mar09	1700	[illegible] ATL	3/18/09	0900
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
Call w/ questions

Sampler Name: Robert Andrzejewski

Sampler Signature: [signature] Date: 17 Mar 09

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

4/20/2009
Ms. Heather Gastineau-Lyons
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: A-T (D)
Project #: IN473.19.7
Workorder #: 0904212

Dear Ms. Heather Gastineau-Lyons

The following report includes the data for the above referenced project for sample(s) received on 4/10/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brandon Dunmore at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brandon M. Dunmore

Brandon Dunmore
Project Manager

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0904212

Work Order Summary

CLIENT:	Ms. Heather Gastineau-Lyons ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Mr. Terry Smiley ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204
PHONE:	317-231-6500	**P.O. #**	IN000473.0019
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 A-T (D)
DATE RECEIVED:	04/10/2009	**CONTACT:**	Brandon Dunmore
DATE COMPLETED:	04/17/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	Air_Stripper_Eff (040909)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	SVE_Blower_Eff (040909)	Modified TO-15	Tedlar Bag	Tedlar Bag
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Freeman DATE: 04/20/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. 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 Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
ARCADIS, Inc.
Workorder# 0904212

Two 1 Liter Tedlar Bag samples were received on April 10, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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.
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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Air_Stripper_Eff (040909)

Lab ID#: 0904212-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	7.9	26	31
Trichloroethene	6.6	38	36	200
Tetrachloroethene	6.6	1500	45	10000

Client Sample ID: SVE_Blower_Eff (040909)

Lab ID#: 0904212-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	21	40	82
Trichloroethene	10	40	54	210
Tetrachloroethene	10	2900	68	20000

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Air_Stripper_Eff (040909)

Lab ID#: 0904212-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y041106**	**Date of Collection:**	**4/9/09 10:30:00 AM**
Dil. Factor:	**13.3**	**Date of Analysis:**	**4/11/09 11:36 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	6.6	7.9	26	31
Chloroform	6.6	Not Detected	32	Not Detected
1,1,1-Trichloroethane	6.6	Not Detected	36	Not Detected
Trichloroethene	6.6	38	36	200
Tetrachloroethene	6.6	1500	45	10000
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	97	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVE_Blower_Eff (040909)

Lab ID#: 0904212-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y041108**	**Date of Collection:**	**4/9/09 11:30:00 AM**
Dil. Factor:	**20.0**	**Date of Analysis:**	**4/11/09 01:06 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	21	40	82
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	40	54	210
Tetrachloroethene	10	2900	68	20000
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	96	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	96	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0904212-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y041104**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/11/09 10:01 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	97	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0904212-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y041102**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/11/09 08:35 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	110
Chloroform	112
1,1,1-Trichloroethane	123
Trichloroethene	112
Tetrachloroethene	112
Cumene	115
Toluene	111

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	102	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0904212-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y041103**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/11/09 09:15 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	112
Chloroform	109
1,1,1-Trichloroethane	112
Trichloroethene	104
Tetrachloroethene	103
Cumene	108
Toluene	108

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	101	70-130

GM REALM ENCORE

CUSTODY SEAL INTACT? Y N NONE TEMP N/A

0904212

CHAIN-OF-CUSTODY / Analytical Request Document

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

PAGE 1 OF

ID # № 08936

SSOW Ref. Code: E027018

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
Indpls, IN 46204	Invoice To: Corporate
Phone: 317-231-6500	P.O.: IN000473-0019
Fax: x6514	Project Name: AT(D)
E-mail: emoosbrugger@arcadis-us.com	Project Number: IN473-17.7

Laboratory: Air Toxics	
Laboratory Location: Folsom, CA	
Laboratory Contact:	
Requested Due Date:	TAT: 5 Hd
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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other	Modified TO-15	Remarks/Lab ID
01A 1.	Air_Stripper_Eff (040909)	SE	9apr09	1030	2	2						2	
02A 2.	SVE Blower_Eff (040909)	SE	9apr09	1130	2	2						2	
3													
4													
5.													
6.													
7													
8													
9													
10.													
11.													
12.													
13.													
14													
15													
	TOTAL NUMBER OF CONTAINERS				4								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fedex	1 lrg box	R Andrzejewski / Arcadis	9apr09	1300	Harold Dan A+L	4/10/09	0855
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 Call w/questions

Sampler Name: Rob Andrzejewski

Sampler Signature: [signature] Date: 9apr09

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

REV. 1 (5/94)

Air Toxics LTD.
Laboratory Services Since 1989

5/19/2009
Ms. Heather Gastineau-Lyons
ARCADIS, Inc.
251 East Ohio St., Suite 800

Indianapolis IN 46204

Project Name: AT (PCE)
Project #: IN473.19.7
Workorder #: 0905131

Dear Ms. Heather Gastineau-Lyons

The following report includes the data for the above referenced project for sample(s) received on 5/6/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified 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 you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brandon Dunmore at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brandon M. Dunmore

Brandon Dunmore
Project Manager

Air Toxics LTD.
Laboratory Services Since 1989

WORK ORDER #: 0905131

Work Order Summary

CLIENT:	Ms. Heather Gastineau-Lyons ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204	**BILL TO:**	Mr. Terry Smiley ARCADIS, Inc. 251 East Ohio St., Suite 800 Indianapolis, IN 46204
PHONE:	317-231-6500	**P.O. #**	IN000473.0019.00007
FAX:	317-231-6514	**PROJECT #**	IN473.19.7 AT (PCE)
DATE RECEIVED:	05/06/2009	**CONTACT:**	Brandon Dunmore
DATE COMPLETED:	05/08/2009		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVE_Blower_Eff(050509)	Modified TO-15	Tedlar Bag	Tedlar Bag
02A	Lab Blank	Modified TO-15	NA	NA
03A	CCV	Modified TO-15	NA	NA
04A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Freeman DATE: 05/19/09

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. 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 Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
ARCADIS, Inc.
Workorder# 0905131

One 1 Liter Tedlar Bag sample was received on May 06, 2009. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	</= 30% Difference	</= 30% Difference; Compounds exceeding this criterion and associated data are flagged and narrated.
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

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 no 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.

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

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: SVE_Blower_Eff(050509)

Lab ID#: 0905131-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	21	40	82
Trichloroethene	10	39	54	210
Tetrachloroethene	10	2600	68	18000

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: SVE_Blower_Eff(050509)

Lab ID#: 0905131-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7050722**	**Date of Collection:**	**5/5/09 4:00:00 PM**
Dil. Factor:	**20.0**	**Date of Analysis:**	**5/7/09 09:58 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
cis-1,2-Dichloroethene	10	21	40	82
Chloroform	10	Not Detected	49	Not Detected
1,1,1-Trichloroethane	10	Not Detected	54	Not Detected
Trichloroethene	10	39	54	210
Tetrachloroethene	10	2600	68	18000
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	97	70-130
1,2-Dichloroethane-d4	120	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: Lab Blank

Lab ID#: 0905131-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7050707**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/7/09 10:16 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	96	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	99	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: CCV

Lab ID#: 0905131-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7050702**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/7/09 06:15 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	107
Chloroform	101
1,1,1-Trichloroethane	105
Trichloroethene	108
Tetrachloroethene	107
Cumene	115
Toluene	106

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.
Laboratory Services Since 1989

Client Sample ID: LCS

Lab ID#: 0905131-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7050703**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 5/7/09 06:55 AM**	

Compound	**%Recovery**
cis-1,2-Dichloroethene	112
Chloroform	100
1,1,1-Trichloroethane	103
Trichloroethene	104
Tetrachloroethene	101
Cumene	108
Toluene	106

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130

0905131

CHAIN-OF-CUSTODY / Analytical Request Document

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

GM REALM ENCORE

PAGE 1 OF 1

ID # № 08783

SSOW Ref. Code: E027-018

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800 Indpls, IN 46204	Copy To: S Fisher
	Invoice To: Corporate
	P.O.: IN000473.0019.0005
Phone: 317 231-6500	Project Name: AT (PCE)
Fax: 6514	Project Number: IN473.19.7
E-mail: emoosbrugger@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; SC 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	Modified TO-15#	Remarks/Lab ID
01A SVE_Blower_EFF(050509)	GE	5May09	1600	2	2						2	
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS				2								

FED EX

CUSTODY SEAL INTACT? Y N NONE TEMP N/A

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Fedex	1 box	R Andrzejewski / Arcadis	5May09	01700	[illegible] Air 5/6/09 0930		
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 Call w/ questions

Sampler Name: Robert Andrzejewski

Sampler Signature: [signature] Date: 5May09

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

REV. 6/5/04

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

February 20, 2009

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

RE: Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Dear Ms. Scrocchi:

Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5023144001	**BW-5(021009)**	Water	02/10/09 16:00	02/11/09 08:14
5023144002	**BW-6(021009)**	Water	02/10/09 16:03	02/11/09 08:14
5023144003	**BW-7(021009)**	Water	02/10/09 16:05	02/11/09 08:14
5023144004	**BW-8(021009)**	Water	02/10/09 16:08	02/11/09 08:14
5023144005	**BW-9(021009)**	Water	02/10/09 16:10	02/11/09 08:14
5023144006	**BW-11(021009)**	Water	02/10/09 16:20	02/11/09 08:14
5023144007	**BW-12(021009)**	Water	02/10/09 16:25	02/11/09 08:14
5023144008	**BW-4(021009)**	Water	02/10/09 16:30	02/11/09 08:14

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(317)875-5894

SAMPLE ANALYTE COUNT

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5023144001	**BW-5(021009)**	EPA 8015 Mod Ext	SRS	2
5023144002	**BW-6(021009)**	EPA 8015 Mod Ext	TMS	2
5023144003	**BW-7(021009)**	EPA 8015 Mod Ext	SRS	2
5023144004	**BW-8(021009)**	EPA 8015 Mod Ext	SRS	2
5023144005	**BW-9(021009)**	EPA 8015 Mod Ext	TMS	2
5023144006	**BW-11(021009)**	EPA 8015 Mod Ext	TMS	2
5023144007	**BW-12(021009)**	EPA 8015 Mod Ext	TMS	2
5023144008	**BW-4(021009)**	EPA 8015 Mod Ext	SRS	2

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Pace Analytical Services, Inc.
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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-5(021009) **Lab ID: 5023144001** Collected: 02/10/09 16:00 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**32.7**	mg/L	0.78	10	02/11/09 21:10	02/16/09 15:06		
n-Pentacosane (S)	0	%	40-156	10	02/11/09 21:10	02/16/09 15:06	629-99-2	S4

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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-6(021009) **Lab ID: 5023144002** Collected: 02/10/09 16:03 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**4.3**	mg/L	0.081	1	02/11/09 21:10	02/12/09 10:37		
n-Pentacosane (S)	117	%	40-156	1	02/11/09 21:10	02/12/09 10:37	629-99-2	

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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-7(021009) **Lab ID: 5023144003** Collected: 02/10/09 16:05 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**48.6**	mg/L	0.78	10	02/11/09 21:10	02/16/09 15:13		
n-Pentacosane (S)	0	%	40-156	10	02/11/09 21:10	02/16/09 15:13	629-99-2	S4

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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-8(021009) **Lab ID: 5023144004** Collected: 02/10/09 16:08 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**165**	mg/L	3.8	50	02/11/09 21:10	02/16/09 15:42		
n-Pentacosane (S)	0	%	40-156	50	02/11/09 21:10	02/16/09 15:42	629-99-2	S4

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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-9(021009) **Lab ID: 5023144005** Collected: 02/10/09 16:10 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**5.3**	mg/L	0.078	1	02/11/09 21:10	02/12/09 10:59		
n-Pentacosane (S)	116	%	40-156	1	02/11/09 21:10	02/12/09 10:59	629-99-2	

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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-11(021009) **Lab ID: 5023144006** Collected: 02/10/09 16:20 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**8.3**	mg/L	0.081	1	02/11/09 21:10	02/12/09 11:06		
n-Pentacosane (S)	139	%	40-156	1	02/11/09 21:10	02/12/09 11:06	629-99-2	

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Pace Analytical Services, Inc.
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Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-12(021009) **Lab ID: 5023144007** Collected: 02/10/09 16:25 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**6.3**	mg/L	0.079	1	02/11/09 21:10	02/12/09 11:13		
n-Pentacosane (S)	140	%	40-156	1	02/11/09 21:10	02/12/09 11:13	629-99-2	

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ANALYTICAL RESULTS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

Sample: BW-4(021009) **Lab ID: 5023144008** Collected: 02/10/09 16:30 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**199**	mg/L	4.0	50	02/11/09 21:10	02/16/09 15:49		
n-Pentacosane (S)	0	%	40-156	50	02/11/09 21:10	02/16/09 15:49	629-99-2	S4

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QUALITY CONTROL DATA

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

QC Batch: OEXT/11637 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 8015 Mod Ext Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5023144001, 5023144002, 5023144003, 5023144004, 5023144005, 5023144006, 5023144007, 5023144008

METHOD BLANK: 262517 Matrix: Water
Associated Lab Samples: 5023144001, 5023144002, 5023144003, 5023144004, 5023144005, 5023144006, 5023144007, 5023144008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-ERO	mg/L	ND	0.075	02/12/09 09:33	
n-Pentacosane (S)	%	95	40-156	02/12/09 09:33	

LABORATORY CONTROL SAMPLE: 262518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-ERO	mg/L	2.5	1.8	70	42-136	
n-Pentacosane (S)	%			96	40-156	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 262519 262520

Parameter	Units	5023158010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-ERO	mg/L	ND	5.4	5.2	2.8	3.6	52	68	40-146	23	20	R1
n-Pentacosane (S)	%						59	67	40-156		20	

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Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: AT Barrier/Outfall IN473.19
Pace Project No.: 5023144

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.

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.

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

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

ANALYTE QUALIFIERS

R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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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 # № 08792

SSOW Ref. Code: E027015

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: AT
Fax: x6514	Project Number: IN473.19.5
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location:	
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

60223144

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: TPH EPA meth 8015	SVOC's meth 625	VOC's meth 624	Remarks/Lab ID
1.	BW-5 (021009)	WG	10Feb09	1600	2	2						2			001
2.	BW-6 (021009)	WG		1603	2	2						2			002
3.	BW-7 (021009)	WG		1605	2	2						2			003
4.	BW-8 (021009)	WG		1608	2	2						2			004
5.	BW-9 (021009)	WG		1610	2	2						2			005
6.	BW-11 (021009)	WG		1620	2	2						2			006
7.	BW-12 (021009)	WG		1625	2	2						2			007
8.	BW-24 (021009)	WG		1630	2	2						2			008
9.	Outfall-003-composite (021009)	WT		1695	5	2	3						2	3	009
10.															
11.															
12.															
13.															
14.															
15.															
	TOTAL NUMBER OF CONTAINERS				21										

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand carry	2	R Andrzejewski / Arcadis	11Feb09	0814	R Handla / PACE	2/11/09	0814
AIRBILL NO.							

Sample Condition

Temp in °C	3 to 8
Received on Ice	(Y) N
Sealed Cooler	(Y) N
Samples Intact	(Y) N

Additional Comments: WI Chain 21/21 OK Client del.

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski Date: 10Feb09

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 # 6023144

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 123456 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.6 ~~2.6~~ 2.8C Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2/11/09 KC

		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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☑N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: Eric Moosburger Date/Time: 2/16/09 email

Comments/ Resolution: move outfall to separate project

Project Manager Review: [signature] **Date:** 2/11/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

February 25, 2009

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

RE: Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Dear Ms. Scrocchi:

Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Mick Mayse for
Donna Spyker
donna.spyker@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5023146001	**RW-0603-S3(021009)**	Water	02/10/09 14:50	02/11/09 08:14
5023146002	**RW-0501-S2B(021009)**	Water	02/10/09 14:53	02/11/09 08:14
5023146003	**RW-0502-S2B(021009)**	Water	02/10/09 14:55	02/11/09 08:14
5023146004	**RW-0604-S3(021009)**	Water	02/10/09 14:56	02/11/09 08:14
5023146005	**RW-0602-S3(021009)**	Water	02/10/09 15:00	02/11/09 08:14
5023146006	**RW-0501-S3(021009)**	Water	02/10/09 15:03	02/11/09 08:14
5023146007	**RW-0604-S2B(021009)**	Water	02/10/09 15:06	02/11/09 08:14
5023146008	**RW-0602-S2B(021009)**	Water	02/10/09 15:10	02/11/09 08:14
5023146009	**RW-0204/RW-0205-S2A(021009)**	Water	02/10/09 15:12	02/11/09 08:14
5023146010	**RW-0203-S2A(021009)**	Water	02/10/09 15:15	02/11/09 08:14
5023146011	**RW-0202-S2A(021009)**	Water	02/10/09 15:18	02/11/09 08:14
5023146012	**RW-0201-S2A(021009)**	Water	02/10/09 15:21	02/11/09 08:14
5023146013	**RW-0605-S3(021009)**	Water	02/10/09 15:24	02/11/09 08:14
5023146014	**Outfall_004_Inf(021009)**	Water	02/10/09 15:30	02/11/09 08:14

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SAMPLE ANALYTE COUNT

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5023146001	**RW-0603-S3(021009)**	EPA 8260	RSR	51
5023146002	**RW-0501-S2B(021009)**	EPA 8260	RSR	51
5023146003	**RW-0502-S2B(021009)**	EPA 8260	RSR	51
5023146004	**RW-0604-S3(021009)**	EPA 8260	RSR	51
5023146005	**RW-0602-S3(021009)**	EPA 8260	RSR	51
5023146006	**RW-0501-S3(021009)**	EPA 8260	RSR	51
5023146007	**RW-0604-S2B(021009)**	EPA 8260	RSR	51
5023146008	**RW-0602-S2B(021009)**	EPA 8260	RSR	51
5023146009	**RW-0204/RW-0205-S2A(021009)**	EPA 8260	RSR	51
5023146010	**RW-0203-S2A(021009)**	EPA 8260	RSR	51
5023146011	**RW-0202-S2A(021009)**	EPA 8260	RSR	51
5023146012	**RW-0201-S2A(021009)**	EPA 8260	RSR	51
5023146013	**RW-0605-S3(021009)**	EPA 8260	RSR	51
5023146014	**Outfall_004_Inf(021009)**	SM 2340B	FRW	1

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0603-S3(021009) **Lab ID: 5023146001** Collected: 02/10/09 14:50 Received: 02/11/09 08:14 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		02/12/09 18:24	67-64-1	
Benzene	ND	ug/L	5.0	1		02/12/09 18:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/12/09 18:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/12/09 18:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/09 18:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/12/09 18:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/12/09 18:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/12/09 18:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/12/09 18:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/12/09 18:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/12/09 18:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/12/09 18:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/12/09 18:24	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/12/09 18:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/12/09 18:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/12/09 18:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 18:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 18:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 18:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/12/09 18:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/12/09 18:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/12/09 18:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/12/09 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 18:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/12/09 18:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 18:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/12/09 18:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/12/09 18:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/12/09 18:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/12/09 18:24	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/12/09 18:24	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/12/09 18:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/12/09 18:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/12/09 18:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/12/09 18:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/12/09 18:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/12/09 18:24	127-18-4	
Toluene	ND	ug/L	5.0	1		02/12/09 18:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/12/09 18:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/12/09 18:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/12/09 18:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/12/09 18:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/12/09 18:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/12/09 18:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		02/12/09 18:24	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0603-S3(021009) **Lab ID: 5023146001** Collected: 02/10/09 14:50 Received: 02/11/09 08:14 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		02/12/09 18:24	1330-20-7	
Dibromofluoromethane (S)	99	%	80-123	1		02/12/09 18:24	1868-53-7	
4-Bromofluorobenzene (S)	98	%	70-126	1		02/12/09 18:24	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		02/12/09 18:24	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0501-S2B(021009) **Lab ID: 5023146002** Collected: 02/10/09 14:53 Received: 02/11/09 08:14 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		02/17/09 14:17	67-64-1	
Benzene	ND	ug/L	5.0	1		02/17/09 14:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/17/09 14:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/17/09 14:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/17/09 14:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/17/09 14:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/17/09 14:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/17/09 14:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/17/09 14:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/17/09 14:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/17/09 14:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/17/09 14:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/17/09 14:17	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/17/09 14:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/17/09 14:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/17/09 14:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/17/09 14:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/17/09 14:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/17/09 14:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/17/09 14:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/17/09 14:17	75-34-3	J
1,2-Dichloroethane	ND	ug/L	5.0	1		02/17/09 14:17	107-06-2	
1,1-Dichloroethene	**3.0J**	ug/L	5.0	1		02/17/09 14:17	75-35-4	
cis-1,2-Dichloroethene	**35.4**	ug/L	5.0	1		02/17/09 14:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/17/09 14:17	156-60-5	J
1,2-Dichloropropane	ND	ug/L	5.0	1		02/17/09 14:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/17/09 14:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/17/09 14:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/17/09 14:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/17/09 14:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/17/09 14:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/17/09 14:17	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/17/09 14:17	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/17/09 14:17	75-09-2	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/17/09 14:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/17/09 14:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/17/09 14:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/17/09 14:17	79-34-5	
Tetrachloroethene	**222**	ug/L	5.0	1		02/17/09 14:17	127-18-4	
Toluene	ND	ug/L	5.0	1		02/17/09 14:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/17/09 14:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/17/09 14:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/17/09 14:17	79-00-5	
Trichloroethene	**39.7**	ug/L	5.0	1		02/17/09 14:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/17/09 14:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/17/09 14:17	76-13-1	
Vinyl chloride	**11.6**	ug/L	2.0	1		02/17/09 14:17	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0501-S2B(021009) **Lab ID: 5023146002** Collected: 02/10/09 14:53 Received: 02/11/09 08:14 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		02/17/09 14:17	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		02/17/09 14:17	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		02/17/09 14:17	460-00-4	
Toluene-d8 (S)	85	%	80-116	1		02/17/09 14:17	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0502-S2B(021009) **Lab ID: 5023146003** Collected: 02/10/09 14:55 Received: 02/11/09 08:14 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		02/12/09 19:17	67-64-1	
Benzene	ND	ug/L	5.0	1		02/12/09 19:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/12/09 19:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/12/09 19:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/09 19:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/12/09 19:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/12/09 19:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/12/09 19:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/12/09 19:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/12/09 19:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/12/09 19:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/12/09 19:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/12/09 19:17	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/12/09 19:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/12/09 19:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/12/09 19:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/12/09 19:17	75-71-8	
1,1-Dichloroethane	**10.4**	ug/L	5.0	1		02/12/09 19:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/12/09 19:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/12/09 19:17	75-35-4	
cis-1,2-Dichloroethene	**15.5**	ug/L	5.0	1		02/12/09 19:17	156-59-2	
trans-1,2-Dichloroethene	**2.2J**	ug/L	5.0	1		02/12/09 19:17	156-60-5	J
1,2-Dichloropropane	ND	ug/L	5.0	1		02/12/09 19:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 19:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 19:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/12/09 19:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/12/09 19:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/12/09 19:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/12/09 19:17	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/12/09 19:17	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/12/09 19:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/12/09 19:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/12/09 19:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/12/09 19:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/12/09 19:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/12/09 19:17	127-18-4	
Toluene	ND	ug/L	5.0	1		02/12/09 19:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:17	120-82-1	
1,1,1-Trichloroethane	**3.8J**	ug/L	5.0	1		02/12/09 19:17	71-55-6	J
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/12/09 19:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/12/09 19:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/12/09 19:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/12/09 19:17	76-13-1	
Vinyl chloride	**0.67J**	ug/L	2.0	1		02/12/09 19:17	75-01-4	J

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0502-S2B(021009) **Lab ID: 5023146003** Collected: 02/10/09 14:55 Received: 02/11/09 08:14 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		02/12/09 19:17	1330-20-7	
Dibromofluoromethane (S)	100	%	80-123	1		02/12/09 19:17	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		02/12/09 19:17	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		02/12/09 19:17	2037-26-5	

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(317)875-5894

ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0604-S3(021009) **Lab ID: 5023146004** Collected: 02/10/09 14:56 Received: 02/11/09 08:14 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		02/12/09 19:43	67-64-1	
Benzene	ND	ug/L	5.0	1		02/12/09 19:43	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/12/09 19:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/12/09 19:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/09 19:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/12/09 19:43	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/12/09 19:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/12/09 19:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/12/09 19:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/12/09 19:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/12/09 19:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/12/09 19:43	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/12/09 19:43	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/12/09 19:43	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/12/09 19:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/12/09 19:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/12/09 19:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/12/09 19:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/12/09 19:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/12/09 19:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 19:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 19:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/12/09 19:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 19:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 19:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/12/09 19:43	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/12/09 19:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/12/09 19:43	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/12/09 19:43	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/12/09 19:43	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/12/09 19:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/12/09 19:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/12/09 19:43	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/12/09 19:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/12/09 19:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/12/09 19:43	127-18-4	
Toluene	ND	ug/L	5.0	1		02/12/09 19:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/12/09 19:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/12/09 19:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/12/09 19:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/12/09 19:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/12/09 19:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/12/09 19:43	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		02/12/09 19:43	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0604-S3(021009) **Lab ID: 5023146004** Collected: 02/10/09 14:56 Received: 02/11/09 08:14 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		02/12/09 19:43	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		02/12/09 19:43	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		02/12/09 19:43	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		02/12/09 19:43	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0602-S3(021009) **Lab ID: 5023146005** Collected: 02/10/09 15:00 Received: 02/11/09 08:14 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		02/12/09 21:02	67-64-1	
Benzene	ND	ug/L	5.0	1		02/12/09 21:02	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/12/09 21:02	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/12/09 21:02	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/09 21:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/12/09 21:02	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/12/09 21:02	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/12/09 21:02	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/12/09 21:02	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/12/09 21:02	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/12/09 21:02	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/12/09 21:02	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/12/09 21:02	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/12/09 21:02	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/12/09 21:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/12/09 21:02	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 21:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 21:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 21:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/12/09 21:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/12/09 21:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/12/09 21:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/12/09 21:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 21:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 21:02	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/12/09 21:02	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 21:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 21:02	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/12/09 21:02	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/12/09 21:02	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/12/09 21:02	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/12/09 21:02	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/12/09 21:02	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/12/09 21:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/12/09 21:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/12/09 21:02	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/12/09 21:02	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/12/09 21:02	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/12/09 21:02	127-18-4	
Toluene	ND	ug/L	5.0	1		02/12/09 21:02	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/12/09 21:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/12/09 21:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/12/09 21:02	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/12/09 21:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/12/09 21:02	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/12/09 21:02	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		02/12/09 21:02	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0602-S3(021009) **Lab ID: 5023146005** Collected: 02/10/09 15:00 Received: 02/11/09 08:14 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		02/12/09 21:02	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		02/12/09 21:02	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		02/12/09 21:02	460-00-4	
Toluene-d8 (S)	102	%	80-116	1		02/12/09 21:02	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0501-S3(021009) **Lab ID: 5023146006** Collected: 02/10/09 15:03 Received: 02/11/09 08:14 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		02/17/09 15:27	67-64-1	
Benzene	ND	ug/L	5.0	1		02/17/09 15:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/17/09 15:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/17/09 15:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/17/09 15:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/17/09 15:27	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/17/09 15:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/17/09 15:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/17/09 15:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/17/09 15:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/17/09 15:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/17/09 15:27	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/17/09 15:27	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/17/09 15:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/17/09 15:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/17/09 15:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/17/09 15:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/17/09 15:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/17/09 15:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/17/09 15:27	75-71-8	
1,1-Dichloroethane	**0.75J**	ug/L	5.0	1		02/17/09 15:27	75-34-3	J
1,2-Dichloroethane	ND	ug/L	5.0	1		02/17/09 15:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/17/09 15:27	75-35-4	
cis-1,2-Dichloroethene	**1.9J**	ug/L	5.0	1		02/17/09 15:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/17/09 15:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/17/09 15:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/17/09 15:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/17/09 15:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/17/09 15:27	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/17/09 15:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/17/09 15:27	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/17/09 15:27	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/17/09 15:27	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/17/09 15:27	75-09-2	J
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/17/09 15:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/17/09 15:27	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/17/09 15:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/17/09 15:27	79-34-5	
Tetrachloroethene	**269**	ug/L	5.0	1		02/17/09 15:27	127-18-4	
Toluene	ND	ug/L	5.0	1		02/17/09 15:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/17/09 15:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/17/09 15:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/17/09 15:27	79-00-5	
Trichloroethene	**7.4**	ug/L	5.0	1		02/17/09 15:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/17/09 15:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/17/09 15:27	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		02/17/09 15:27	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0501-S3(021009) **Lab ID: 5023146006** Collected: 02/10/09 15:03 Received: 02/11/09 08:14 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		02/17/09 15:27	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		02/17/09 15:27	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		02/17/09 15:27	460-00-4	
Toluene-d8 (S)	84	%	80-116	1		02/17/09 15:27	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0604-S2B(021009) **Lab ID: 5023146007** Collected: 02/10/09 15:06 Received: 02/11/09 08:14 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		02/12/09 23:38	67-64-1	
Benzene	ND	ug/L	5.0	1		02/12/09 23:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/12/09 23:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/12/09 23:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/12/09 23:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/12/09 23:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/12/09 23:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/12/09 23:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/12/09 23:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/12/09 23:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/12/09 23:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/12/09 23:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/12/09 23:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/12/09 23:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/12/09 23:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/12/09 23:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 23:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 23:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/12/09 23:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/12/09 23:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/12/09 23:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/12/09 23:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/12/09 23:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 23:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/12/09 23:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/12/09 23:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 23:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/12/09 23:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/12/09 23:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/12/09 23:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		02/12/09 23:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		02/12/09 23:38	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/12/09 23:38	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/12/09 23:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/12/09 23:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/12/09 23:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/12/09 23:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/12/09 23:38	79-34-5	
Tetrachloroethene	**1.1J**	ug/L	5.0	1		02/12/09 23:38	127-18-4	J
Toluene	ND	ug/L	5.0	1		02/12/09 23:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/12/09 23:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/12/09 23:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/12/09 23:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/12/09 23:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/12/09 23:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/12/09 23:38	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		02/12/09 23:38	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0604-S2B(021009) **Lab ID: 5023146007** Collected: 02/10/09 15:06 Received: 02/11/09 08:14 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		02/12/09 23:38	1330-20-7	
Dibromofluoromethane (S)	100	%	80-123	1		02/12/09 23:38	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		02/12/09 23:38	460-00-4	
Toluene-d8 (S)	104	%	80-116	1		02/12/09 23:38	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0602-S2B(021009) **Lab ID: 5023146008** Collected: 02/10/09 15:10 Received: 02/11/09 08:14 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		02/13/09 00:04	67-64-1	
Benzene	ND	ug/L	5.0	1		02/13/09 00:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/13/09 00:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/13/09 00:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/13/09 00:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		02/13/09 00:04	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		02/13/09 00:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		02/13/09 00:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/13/09 00:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/13/09 00:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		02/13/09 00:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/13/09 00:04	74-87-3	
Cyclohexane	ND	ug/L	100	1		02/13/09 00:04	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		02/13/09 00:04	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		02/13/09 00:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		02/13/09 00:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/13/09 00:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/13/09 00:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/13/09 00:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		02/13/09 00:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/13/09 00:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/13/09 00:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/13/09 00:04	75-35-4	
cis-1,2-Dichloroethene	**1.0J**	ug/L	5.0	1		02/13/09 00:04	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/13/09 00:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/13/09 00:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/13/09 00:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/13/09 00:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/13/09 00:04	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		02/13/09 00:04	591-78-6	
Isopropylbenzene (Cumene)	**0.91J**	ug/L	5.0	1		02/13/09 00:04	98-82-8	J
Methyl acetate	ND	ug/L	50.0	1		02/13/09 00:04	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		02/13/09 00:04	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		02/13/09 00:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		02/13/09 00:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		02/13/09 00:04	1634-04-4	
Styrene	ND	ug/L	5.0	1		02/13/09 00:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/13/09 00:04	79-34-5	
Tetrachloroethene	**2.0J**	ug/L	5.0	1		02/13/09 00:04	127-18-4	J
Toluene	ND	ug/L	5.0	1		02/13/09 00:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		02/13/09 00:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/13/09 00:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/13/09 00:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/13/09 00:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/13/09 00:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		02/13/09 00:04	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		02/13/09 00:04	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0602-S2B(021009) **Lab ID: 5023146008** Collected: 02/10/09 15:10 Received: 02/11/09 08:14 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		02/13/09 00:04	1330-20-7	
Dibromofluoromethane (S)	100	%	80-123	1		02/13/09 00:04	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		02/13/09 00:04	460-00-4	
Toluene-d8 (S)	104	%	80-116	1		02/13/09 00:04	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0204/RW-0205-S2A(021009) **Lab ID: 5023146009** Collected: 02/10/09 15:12 Received: 02/11/09 08:14 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		02/13/09 00:31	67-64-1	
Benzene	ND	ug/L	250	50		02/13/09 00:31	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		02/13/09 00:31	75-27-4	
Bromoform	ND	ug/L	250	50		02/13/09 00:31	75-25-2	
Bromomethane	ND	ug/L	250	50		02/13/09 00:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		02/13/09 00:31	78-93-3	
Carbon disulfide	ND	ug/L	500	50		02/13/09 00:31	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		02/13/09 00:31	56-23-5	
Chlorobenzene	ND	ug/L	250	50		02/13/09 00:31	108-90-7	
Chloroethane	ND	ug/L	250	50		02/13/09 00:31	75-00-3	
Chloroform	ND	ug/L	250	50		02/13/09 00:31	67-66-3	
Chloromethane	ND	ug/L	250	50		02/13/09 00:31	74-87-3	
Cyclohexane	ND	ug/L	5000	50		02/13/09 00:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	50		02/13/09 00:31	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		02/13/09 00:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		02/13/09 00:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		02/13/09 00:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		02/13/09 00:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		02/13/09 00:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		02/13/09 00:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		02/13/09 00:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		02/13/09 00:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		02/13/09 00:31	75-35-4	
cis-1,2-Dichloroethene	**101J**	ug/L	250	50		02/13/09 00:31	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	250	50		02/13/09 00:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		02/13/09 00:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 00:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 00:31	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		02/13/09 00:31	100-41-4	
2-Hexanone	ND	ug/L	1250	50		02/13/09 00:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		02/13/09 00:31	98-82-8	
Methyl acetate	ND	ug/L	2500	50		02/13/09 00:31	79-20-9	
Methylcyclohexane	ND	ug/L	2500	50		02/13/09 00:31	108-87-2	
Methylene chloride	ND	ug/L	250	50		02/13/09 00:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		02/13/09 00:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		02/13/09 00:31	1634-04-4	
Styrene	ND	ug/L	250	50		02/13/09 00:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		02/13/09 00:31	79-34-5	
Tetrachloroethene	**30400**	ug/L	5000	1000		02/13/09 00:57	127-18-4	
Toluene	ND	ug/L	250	50		02/13/09 00:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		02/13/09 00:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		02/13/09 00:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		02/13/09 00:31	79-00-5	
Trichloroethene	**1370**	ug/L	250	50		02/13/09 00:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		02/13/09 00:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		02/13/09 00:31	76-13-1	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0204/RW-0205-S2A(021009) **Lab ID: 5023146009** Collected: 02/10/09 15:12 Received: 02/11/09 08:14 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		02/13/09 00:31	75-01-4	1d,D4
Xylene (Total)	ND	ug/L	500	50		02/13/09 00:31	1330-20-7	
Dibromofluoromethane (S)	95	%	80-123	50		02/13/09 00:31	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	50		02/13/09 00:31	460-00-4	
Toluene-d8 (S)	107	%	80-116	50		02/13/09 00:31	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0203-S2A(021009) **Lab ID: 5023146010** Collected: 02/10/09 15:15 Received: 02/11/09 08:14 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		02/13/09 01:23	67-64-1	
Benzene	ND	ug/L	250	50		02/13/09 01:23	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		02/13/09 01:23	75-27-4	
Bromoform	ND	ug/L	250	50		02/13/09 01:23	75-25-2	
Bromomethane	ND	ug/L	250	50		02/13/09 01:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		02/13/09 01:23	78-93-3	
Carbon disulfide	ND	ug/L	500	50		02/13/09 01:23	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		02/13/09 01:23	56-23-5	
Chlorobenzene	ND	ug/L	250	50		02/13/09 01:23	108-90-7	
Chloroethane	ND	ug/L	250	50		02/13/09 01:23	75-00-3	
Chloroform	ND	ug/L	250	50		02/13/09 01:23	67-66-3	
Chloromethane	ND	ug/L	250	50		02/13/09 01:23	74-87-3	
Cyclohexane	ND	ug/L	5000	50		02/13/09 01:23	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	50		02/13/09 01:23	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		02/13/09 01:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		02/13/09 01:23	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		02/13/09 01:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		02/13/09 01:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		02/13/09 01:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		02/13/09 01:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		02/13/09 01:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		02/13/09 01:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		02/13/09 01:23	75-35-4	
cis-1,2-Dichloroethene	**39.3J**	ug/L	250	50		02/13/09 01:23	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	250	50		02/13/09 01:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		02/13/09 01:23	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 01:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 01:23	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		02/13/09 01:23	100-41-4	
2-Hexanone	ND	ug/L	1250	50		02/13/09 01:23	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		02/13/09 01:23	98-82-8	
Methyl acetate	ND	ug/L	2500	50		02/13/09 01:23	79-20-9	
Methylcyclohexane	ND	ug/L	2500	50		02/13/09 01:23	108-87-2	
Methylene chloride	ND	ug/L	250	50		02/13/09 01:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		02/13/09 01:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		02/13/09 01:23	1634-04-4	
Styrene	ND	ug/L	250	50		02/13/09 01:23	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		02/13/09 01:23	79-34-5	
Tetrachloroethene	**28300**	ug/L	5000	1000		02/13/09 01:49	127-18-4	
Toluene	ND	ug/L	250	50		02/13/09 01:23	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		02/13/09 01:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		02/13/09 01:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		02/13/09 01:23	79-00-5	
Trichloroethene	**663**	ug/L	250	50		02/13/09 01:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		02/13/09 01:23	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		02/13/09 01:23	76-13-1	
Vinyl chloride	ND	ug/L	100	50		02/13/09 01:23	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0203-S2A(021009) **Lab ID: 5023146010** Collected: 02/10/09 15:15 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	500	50		02/13/09 01:23	1330-20-7	
Dibromofluoromethane (S)	99	%	80-123	50		02/13/09 01:23	1868-53-7	D4
4-Bromofluorobenzene (S)	92	%	70-126	50		02/13/09 01:23	460-00-4	
Toluene-d8 (S)	108	%	80-116	50		02/13/09 01:23	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0202-S2A(021009) **Lab ID: 5023146011** Collected: 02/10/09 15:18 Received: 02/11/09 08:14 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		02/13/09 02:15	67-64-1	
Benzene	ND	ug/L	250	50		02/13/09 02:15	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		02/13/09 02:15	75-27-4	
Bromoform	ND	ug/L	250	50		02/13/09 02:15	75-25-2	
Bromomethane	ND	ug/L	250	50		02/13/09 02:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		02/13/09 02:15	78-93-3	
Carbon disulfide	ND	ug/L	500	50		02/13/09 02:15	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		02/13/09 02:15	56-23-5	
Chlorobenzene	ND	ug/L	250	50		02/13/09 02:15	108-90-7	
Chloroethane	ND	ug/L	250	50		02/13/09 02:15	75-00-3	
Chloroform	ND	ug/L	250	50		02/13/09 02:15	67-66-3	
Chloromethane	ND	ug/L	250	50		02/13/09 02:15	74-87-3	
Cyclohexane	ND	ug/L	5000	50		02/13/09 02:15	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	50		02/13/09 02:15	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		02/13/09 02:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		02/13/09 02:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		02/13/09 02:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		02/13/09 02:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		02/13/09 02:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		02/13/09 02:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		02/13/09 02:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		02/13/09 02:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		02/13/09 02:15	75-35-4	
cis-1,2-Dichloroethene	**49.2J**	ug/L	250	50		02/13/09 02:15	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	250	50		02/13/09 02:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		02/13/09 02:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 02:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 02:15	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		02/13/09 02:15	100-41-4	
2-Hexanone	ND	ug/L	1250	50		02/13/09 02:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		02/13/09 02:15	98-82-8	
Methyl acetate	ND	ug/L	2500	50		02/13/09 02:15	79-20-9	
Methylcyclohexane	ND	ug/L	2500	50		02/13/09 02:15	108-87-2	
Methylene chloride	ND	ug/L	250	50		02/13/09 02:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		02/13/09 02:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		02/13/09 02:15	1634-04-4	
Styrene	ND	ug/L	250	50		02/13/09 02:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		02/13/09 02:15	79-34-5	
Tetrachloroethene	**116000**	ug/L	5000	1000		02/13/09 02:41	127-18-4	
Toluene	ND	ug/L	250	50		02/13/09 02:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		02/13/09 02:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		02/13/09 02:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		02/13/09 02:15	79-00-5	
Trichloroethene	**1180**	ug/L	250	50		02/13/09 02:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		02/13/09 02:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		02/13/09 02:15	76-13-1	
Vinyl chloride	ND	ug/L	100	50		02/13/09 02:15	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0202-S2A(021009) **Lab ID: 5023146011** Collected: 02/10/09 15:18 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	500	50		02/13/09 02:15	1330-20-7	
Dibromofluoromethane (S)	99	%	80-123	50		02/13/09 02:15	1868-53-7	D4
4-Bromofluorobenzene (S)	91	%	70-126	50		02/13/09 02:15	460-00-4	
Toluene-d8 (S)	108	%	80-116	50		02/13/09 02:15	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0201-S2A(021009) **Lab ID: 5023146012** Collected: 02/10/09 15:21 Received: 02/11/09 08:14 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		02/13/09 03:07	67-64-1	
Benzene	ND	ug/L	250	50		02/13/09 03:07	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		02/13/09 03:07	75-27-4	
Bromoform	ND	ug/L	250	50		02/13/09 03:07	75-25-2	
Bromomethane	ND	ug/L	250	50		02/13/09 03:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		02/13/09 03:07	78-93-3	
Carbon disulfide	ND	ug/L	500	50		02/13/09 03:07	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		02/13/09 03:07	56-23-5	
Chlorobenzene	ND	ug/L	250	50		02/13/09 03:07	108-90-7	
Chloroethane	ND	ug/L	250	50		02/13/09 03:07	75-00-3	
Chloroform	ND	ug/L	250	50		02/13/09 03:07	67-66-3	
Chloromethane	ND	ug/L	250	50		02/13/09 03:07	74-87-3	
Cyclohexane	ND	ug/L	5000	50		02/13/09 03:07	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	50		02/13/09 03:07	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		02/13/09 03:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		02/13/09 03:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		02/13/09 03:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		02/13/09 03:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		02/13/09 03:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		02/13/09 03:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		02/13/09 03:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		02/13/09 03:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		02/13/09 03:07	75-35-4	
cis-1,2-Dichloroethene	**96.1J**	ug/L	250	50		02/13/09 03:07	156-59-2	J
trans-1,2-Dichloroethene	ND	ug/L	250	50		02/13/09 03:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		02/13/09 03:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 03:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 03:07	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		02/13/09 03:07	100-41-4	
2-Hexanone	ND	ug/L	1250	50		02/13/09 03:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		02/13/09 03:07	98-82-8	
Methyl acetate	ND	ug/L	2500	50		02/13/09 03:07	79-20-9	
Methylcyclohexane	ND	ug/L	2500	50		02/13/09 03:07	108-87-2	
Methylene chloride	ND	ug/L	250	50		02/13/09 03:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		02/13/09 03:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		02/13/09 03:07	1634-04-4	
Styrene	ND	ug/L	250	50		02/13/09 03:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		02/13/09 03:07	79-34-5	
Tetrachloroethene	**74300**	ug/L	5000	1000		02/13/09 03:33	127-18-4	
Toluene	ND	ug/L	250	50		02/13/09 03:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		02/13/09 03:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		02/13/09 03:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		02/13/09 03:07	79-00-5	
Trichloroethene	**990**	ug/L	250	50		02/13/09 03:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		02/13/09 03:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		02/13/09 03:07	76-13-1	
Vinyl chloride	ND	ug/L	100	50		02/13/09 03:07	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0201-S2A(021009) **Lab ID: 5023146012** Collected: 02/10/09 15:21 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	500	50		02/13/09 03:07	1330-20-7	
Dibromofluoromethane (S)	100	%	80-123	50		02/13/09 03:07	1868-53-7	D4
4-Bromofluorobenzene (S)	90	%	70-126	50		02/13/09 03:07	460-00-4	
Toluene-d8 (S)	113	%	80-116	50		02/13/09 03:07	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0605-S3(021009) **Lab ID: 5023146013** Collected: 02/10/09 15:24 Received: 02/11/09 08:14 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		02/13/09 03:59	67-64-1	
Benzene	ND	ug/L	250	50		02/13/09 03:59	71-43-2	
Bromodichloromethane	ND	ug/L	250	50		02/13/09 03:59	75-27-4	
Bromoform	ND	ug/L	250	50		02/13/09 03:59	75-25-2	
Bromomethane	ND	ug/L	250	50		02/13/09 03:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	1250	50		02/13/09 03:59	78-93-3	
Carbon disulfide	ND	ug/L	500	50		02/13/09 03:59	75-15-0	
Carbon tetrachloride	ND	ug/L	250	50		02/13/09 03:59	56-23-5	
Chlorobenzene	ND	ug/L	250	50		02/13/09 03:59	108-90-7	
Chloroethane	ND	ug/L	250	50		02/13/09 03:59	75-00-3	
Chloroform	ND	ug/L	250	50		02/13/09 03:59	67-66-3	
Chloromethane	ND	ug/L	250	50		02/13/09 03:59	74-87-3	
Cyclohexane	ND	ug/L	5000	50		02/13/09 03:59	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	50		02/13/09 03:59	96-12-8	
Dibromochloromethane	ND	ug/L	250	50		02/13/09 03:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	250	50		02/13/09 03:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	250	50		02/13/09 03:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	250	50		02/13/09 03:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	250	50		02/13/09 03:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	250	50		02/13/09 03:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	250	50		02/13/09 03:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	250	50		02/13/09 03:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	250	50		02/13/09 03:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	250	50		02/13/09 03:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	250	50		02/13/09 03:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	250	50		02/13/09 03:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 03:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	250	50		02/13/09 03:59	10061-02-6	
Ethylbenzene	ND	ug/L	250	50		02/13/09 03:59	100-41-4	
2-Hexanone	ND	ug/L	1250	50		02/13/09 03:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	250	50		02/13/09 03:59	98-82-8	
Methyl acetate	ND	ug/L	2500	50		02/13/09 03:59	79-20-9	
Methylcyclohexane	ND	ug/L	2500	50		02/13/09 03:59	108-87-2	
Methylene chloride	ND	ug/L	250	50		02/13/09 03:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	1250	50		02/13/09 03:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	200	50		02/13/09 03:59	1634-04-4	
Styrene	ND	ug/L	250	50		02/13/09 03:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	250	50		02/13/09 03:59	79-34-5	
Tetrachloroethene	**64700**	ug/L	5000	1000		02/13/09 04:25	127-18-4	
Toluene	ND	ug/L	250	50		02/13/09 03:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	250	50		02/13/09 03:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	250	50		02/13/09 03:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	250	50		02/13/09 03:59	79-00-5	
Trichloroethene	**263**	ug/L	250	50		02/13/09 03:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	250	50		02/13/09 03:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	250	50		02/13/09 03:59	76-13-1	
Vinyl chloride	ND	ug/L	100	50		02/13/09 03:59	75-01-4	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: RW-0605-S3(021009) **Lab ID: 5023146013** Collected: 02/10/09 15:24 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	500	50		02/13/09 03:59	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	50		02/13/09 03:59	1868-53-7	D4
4-Bromofluorobenzene (S)	90	%	70-126	50		02/13/09 03:59	460-00-4	
Toluene-d8 (S)	108	%	80-116	50		02/13/09 03:59	2037-26-5	

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ANALYTICAL RESULTS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

Sample: Outfall_004_Inf(021009) **Lab ID: 5023146014** Collected: 02/10/09 15:30 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	**533**	mg/L	1.0	1		02/18/09 12:41		

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

QC Batch: MSV/14351 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5023146001, 5023146003, 5023146004, 5023146005

METHOD BLANK: 263261 Matrix: Water
Associated Lab Samples: 5023146001, 5023146003, 5023146004, 5023146005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/12/09 14:00	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/12/09 14:00	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/12/09 14:00	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	02/12/09 14:00	
1,1-Dichloroethane	ug/L	ND	5.0	02/12/09 14:00	
1,1-Dichloroethene	ug/L	ND	5.0	02/12/09 14:00	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/12/09 14:00	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/12/09 14:00	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/12/09 14:00	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/12/09 14:00	
1,2-Dichloroethane	ug/L	ND	5.0	02/12/09 14:00	
1,2-Dichloropropane	ug/L	ND	5.0	02/12/09 14:00	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/12/09 14:00	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/12/09 14:00	
2-Butanone (MEK)	ug/L	ND	25.0	02/12/09 14:00	
2-Hexanone	ug/L	ND	25.0	02/12/09 14:00	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/12/09 14:00	
Acetone	ug/L	ND	100	02/12/09 14:00	
Benzene	ug/L	ND	5.0	02/12/09 14:00	
Bromodichloromethane	ug/L	ND	5.0	02/12/09 14:00	
Bromoform	ug/L	ND	5.0	02/12/09 14:00	
Bromomethane	ug/L	ND	5.0	02/12/09 14:00	
Carbon disulfide	ug/L	ND	10.0	02/12/09 14:00	
Carbon tetrachloride	ug/L	ND	5.0	02/12/09 14:00	
Chlorobenzene	ug/L	ND	5.0	02/12/09 14:00	
Chloroethane	ug/L	ND	5.0	02/12/09 14:00	
Chloroform	ug/L	ND	5.0	02/12/09 14:00	
Chloromethane	ug/L	ND	5.0	02/12/09 14:00	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/12/09 14:00	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/12/09 14:00	
Cyclohexane	ug/L	ND	100	02/12/09 14:00	
Dibromochloromethane	ug/L	ND	5.0	02/12/09 14:00	
Dichlorodifluoromethane	ug/L	ND	5.0	02/12/09 14:00	
Ethylbenzene	ug/L	ND	5.0	02/12/09 14:00	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/12/09 14:00	
Methyl acetate	ug/L	ND	50.0	02/12/09 14:00	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/12/09 14:00	
Methylcyclohexane	ug/L	ND	50.0	02/12/09 14:00	
Methylene chloride	ug/L	ND	5.0	02/12/09 14:00	
Styrene	ug/L	ND	5.0	02/12/09 14:00	
Tetrachloroethene	ug/L	ND	5.0	02/12/09 14:00	
Toluene	ug/L	ND	5.0	02/12/09 14:00	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/12/09 14:00	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

METHOD BLANK: 263261 Matrix: Water

Associated Lab Samples: 5023146001, 5023146003, 5023146004, 5023146005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/12/09 14:00	
Trichloroethene	ug/L	ND	5.0	02/12/09 14:00	
Trichlorofluoromethane	ug/L	ND	5.0	02/12/09 14:00	
Vinyl chloride	ug/L	ND	2.0	02/12/09 14:00	
Xylene (Total)	ug/L	ND	10.0	02/12/09 14:00	
4-Bromofluorobenzene (S)	%	92	70-126	02/12/09 14:00	
Dibromofluoromethane (S)	%	96	80-123	02/12/09 14:00	
Toluene-d8 (S)	%	107	80-116	02/12/09 14:00	

LABORATORY CONTROL SAMPLE: 263262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.3	89	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	50.1	100	69-131	
1,1,2-Trichloroethane	ug/L	50	49.5	99	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	42.3	85	70-130	
1,1-Dichloroethane	ug/L	50	38.4	77	67-133	
1,1-Dichloroethene	ug/L	50	40.3	81	63-128	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.6	91	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	49.2	98	75-126	
1,2-Dichlorobenzene	ug/L	50	47.3	95	76-124	
1,2-Dichloroethane	ug/L	50	44.1	88	69-139	
1,2-Dichloropropane	ug/L	50	44.5	89	76-129	
1,3-Dichlorobenzene	ug/L	50	46.9	94	76-125	
1,4-Dichlorobenzene	ug/L	50	44.0	88	75-122	
2-Butanone (MEK)	ug/L	250	277	111	47-189	
2-Hexanone	ug/L	250	304	122	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	251	100	61-135	
Acetone	ug/L	250	284	114	30-170	
Benzene	ug/L	50	41.7	83	78-127	
Bromodichloromethane	ug/L	50	44.2	88	69-133	
Bromoform	ug/L	50	45.0	90	60-127	
Bromomethane	ug/L	50	34.9	70	30-170	
Carbon disulfide	ug/L	100	84.8	85	58-152	
Carbon tetrachloride	ug/L	50	40.2	80	62-143	
Chlorobenzene	ug/L	50	47.3	95	75-123	
Chloroethane	ug/L	50	45.1	90	56-153	
Chloroform	ug/L	50	41.9	84	74-131	
Chloromethane	ug/L	50	37.6	75	35-147	
cis-1,2-Dichloroethene	ug/L	50	42.9	86	74-128	
cis-1,3-Dichloropropene	ug/L	50	47.4	95	58-123	
Cyclohexane	ug/L	50	43.4J	87	63-134	
Dibromochloromethane	ug/L	50	48.4	97	66-131	
Dichlorodifluoromethane	ug/L	50	34.3	69	30-170	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

LABORATORY CONTROL SAMPLE: 263262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	46.8	94	81-126	
Isopropylbenzene (Cumene)	ug/L	50	48.0	96	80-130	
Methyl acetate	ug/L	50	41.9J	84	30-170	
Methyl-tert-butyl ether	ug/L	100	84.6	85	66-147	
Methylcyclohexane	ug/L	50	41.7J	83	65-135	
Methylene chloride	ug/L	50	42.5	85	32-164	
Styrene	ug/L	50	47.8	96	74-128	
Tetrachloroethene	ug/L	50	34.9	70	60-119	
Toluene	ug/L	50	47.1	94	75-129	
trans-1,2-Dichloroethene	ug/L	50	43.0	86	71-126	
trans-1,3-Dichloropropene	ug/L	50	41.9	84	54-123	
Trichloroethene	ug/L	50	43.8	88	74-130	
Trichlorofluoromethane	ug/L	50	43.1	86	62-150	
Vinyl chloride	ug/L	50	43.4	87	55-141	
Xylene (Total)	ug/L	150	143	95	76-132	
4-Bromofluorobenzene (S)	%			98	70-126	
Dibromofluoromethane (S)	%			98	80-123	
Toluene-d8 (S)	%			99	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 263263 263264

Parameter	Units	5023146004 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	41.0	43.0	82	86	64-143	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.2	45.2	92	90	64-142	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.9	47.4	96	95	71-143	1	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	42.1	42.5	84	85	70-130	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	37.5	36.2	75	72	68-139	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	40.3	40.7	81	81	55-140	1	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	33.8	33.9	68	68	28-140	0	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.5	44.0	89	88	39-140	1	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	46.6	47.2	93	94	67-134	1	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	37.8	37.9	76	76	48-137	0	20	
1,2-Dichloroethane	ug/L	ND	50	50	41.6	44.6	83	89	63-148	7	20	
1,2-Dichloropropane	ug/L	ND	50	50	40.9	42.5	82	85	70-136	4	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	35.7	36.1	71	72	40-143	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	33.3	33.0	67	66	38-142	1	20	
2-Butanone (MEK)	ug/L	ND	250	250	146	149	59	59	62-132	2	20	M0
2-Hexanone	ug/L	ND	250	250	190	185	76	74	61-141	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	231	228	92	91	57-135	1	20	
Acetone	ug/L	ND	250	250	108	107	43	43	30-170	1	20	
Benzene	ug/L	ND	50	50	39.0	42.4	78	85	63-141	8	20	
Bromodichloromethane	ug/L	ND	50	50	40.5	42.8	81	86	63-135	6	20	
Bromoform	ug/L	ND	50	50	39.6	38.6	79	77	58-124	3	20	
Bromomethane	ug/L	ND	50	50	31.7	39.3	63	79	30-170	22	20	R1
Carbon disulfide	ug/L	ND	100	100	62.9	65.9	63	66	46-162	5	20	
Carbon tetrachloride	ug/L	ND	50	50	38.3	41.2	77	82	54-145	7	20	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 263263 263264

Parameter	Units	5023146004 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	41.3	41.9	83	84	56-133	1	20	
Chloroethane	ug/L	ND	50	50	47.0	49.5	94	99	54-157	5	20	
Chloroform	ug/L	ND	50	50	39.9	40.6	80	81	67-134	2	20	
Chloromethane	ug/L	ND	50	50	42.7	44.1	85	88	36-137	3	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	40.7	42.4	81	85	65-132	4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.4	43.8	85	88	46-121	3	20	
Cyclohexane	ug/L	ND	50	50	39.8J	42.1J	80	84	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	46.0	46.0	92	92	64-124	0	20	
Dichlorodifluoromethane	ug/L	ND	50	50	37.1	35.9	74	72	30-163	3	20	
Ethylbenzene	ug/L	ND	50	50	37.1	38.8	74	78	44-151	4	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	38.9	39.7	78	79	40-148	2	20	
Methyl acetate	ug/L	ND	50	50	39.4J	43.5J	79	87	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	83.9	85.8	84	86	52-156	2	20	
Methylcyclohexane	ug/L	ND	50	50	38.7J	40.8J	77	82	44-158		20	
Methylene chloride	ug/L	ND	50	50	42.5	42.2	85	84	46-154	1	20	
Styrene	ug/L	ND	50	50	40.6	40.4	81	81	38-141	0	20	
Tetrachloroethene	ug/L	ND	50	50	32.2	30.2	64	60	25-146	7	20	
Toluene	ug/L	ND	50	50	40.5	41.7	81	83	59-142	3	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	42.0	42.4	84	85	60-137	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	38.3	37.2	77	74	43-117	3	20	
Trichloroethene	ug/L	ND	50	50	37.6	38.7	75	77	61-137	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	42.6	44.6	85	89	53-162	5	20	
Vinyl chloride	ug/L	ND	50	50	43.2	44.7	86	89	51-144	3	20	
Xylene (Total)	ug/L	ND	150	150	117	117	78	78	44-152	0	20	
4-Bromofluorobenzene (S)	%						101	97	70-126		20	
Dibromofluoromethane (S)	%						98	99	80-123		20	
Toluene-d8 (S)	%						100	96	80-116		20	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

QC Batch: MSV/14352 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5023146007, 5023146008, 5023146009, 5023146010, 5023146011, 5023146012, 5023146013

METHOD BLANK: 263265 Matrix: Water
Associated Lab Samples: 5023146007, 5023146008, 5023146009, 5023146010, 5023146011, 5023146012, 5023146013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/12/09 23:12	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/12/09 23:12	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/12/09 23:12	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	02/12/09 23:12	
1,1-Dichloroethane	ug/L	ND	5.0	02/12/09 23:12	
1,1-Dichloroethene	ug/L	ND	5.0	02/12/09 23:12	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/12/09 23:12	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/12/09 23:12	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/12/09 23:12	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/12/09 23:12	
1,2-Dichloroethane	ug/L	ND	5.0	02/12/09 23:12	
1,2-Dichloropropane	ug/L	ND	5.0	02/12/09 23:12	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/12/09 23:12	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/12/09 23:12	
2-Butanone (MEK)	ug/L	ND	25.0	02/12/09 23:12	
2-Hexanone	ug/L	ND	25.0	02/12/09 23:12	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/12/09 23:12	
Acetone	ug/L	ND	100	02/12/09 23:12	
Benzene	ug/L	ND	5.0	02/12/09 23:12	
Bromodichloromethane	ug/L	ND	5.0	02/12/09 23:12	
Bromoform	ug/L	ND	5.0	02/12/09 23:12	
Bromomethane	ug/L	ND	5.0	02/12/09 23:12	
Carbon disulfide	ug/L	ND	10.0	02/12/09 23:12	
Carbon tetrachloride	ug/L	ND	5.0	02/12/09 23:12	
Chlorobenzene	ug/L	ND	5.0	02/12/09 23:12	
Chloroethane	ug/L	ND	5.0	02/12/09 23:12	
Chloroform	ug/L	ND	5.0	02/12/09 23:12	
Chloromethane	ug/L	ND	5.0	02/12/09 23:12	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/12/09 23:12	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/12/09 23:12	
Cyclohexane	ug/L	ND	100	02/12/09 23:12	
Dibromochloromethane	ug/L	ND	5.0	02/12/09 23:12	
Dichlorodifluoromethane	ug/L	ND	5.0	02/12/09 23:12	
Ethylbenzene	ug/L	ND	5.0	02/12/09 23:12	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/12/09 23:12	
Methyl acetate	ug/L	ND	50.0	02/12/09 23:12	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/12/09 23:12	
Methylcyclohexane	ug/L	ND	50.0	02/12/09 23:12	
Methylene chloride	ug/L	ND	5.0	02/12/09 23:12	
Styrene	ug/L	ND	5.0	02/12/09 23:12	
Tetrachloroethene	ug/L	ND	5.0	02/12/09 23:12	
Toluene	ug/L	ND	5.0	02/12/09 23:12	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/12/09 23:12	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

METHOD BLANK: 263265 Matrix: Water

Associated Lab Samples: 5023146007, 5023146008, 5023146009, 5023146010, 5023146011, 5023146012, 5023146013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/12/09 23:12	
Trichloroethene	ug/L	ND	5.0	02/12/09 23:12	
Trichlorofluoromethane	ug/L	ND	5.0	02/12/09 23:12	
Vinyl chloride	ug/L	ND	2.0	02/12/09 23:12	
Xylene (Total)	ug/L	ND	10.0	02/12/09 23:12	
4-Bromofluorobenzene (S)	%	89	70-126	02/12/09 23:12	
Dibromofluoromethane (S)	%	97	80-123	02/12/09 23:12	
Toluene-d8 (S)	%	103	80-116	02/12/09 23:12	

LABORATORY CONTROL SAMPLE: 263266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.3	99	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.6	95	69-131	
1,1,2-Trichloroethane	ug/L	50	52.6	105	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	47.1	94	70-130	
1,1-Dichloroethane	ug/L	50	42.6	85	67-133	
1,1-Dichloroethene	ug/L	50	46.3	93	63-128	
1,2,4-Trichlorobenzene	ug/L	50	43.2	86	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.0	98	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	49.9	100	75-126	
1,2-Dichlorobenzene	ug/L	50	49.0	98	76-124	
1,2-Dichloroethane	ug/L	50	48.2	96	69-139	
1,2-Dichloropropane	ug/L	50	48.0	96	76-129	
1,3-Dichlorobenzene	ug/L	50	46.9	94	76-125	
1,4-Dichlorobenzene	ug/L	50	43.3	87	75-122	
2-Butanone (MEK)	ug/L	250	267	107	47-189	
2-Hexanone	ug/L	250	280	112	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	252	101	61-135	
Acetone	ug/L	250	281	112	30-170	
Benzene	ug/L	50	47.5	95	78-127	
Bromodichloromethane	ug/L	50	48.5	97	69-133	
Bromoform	ug/L	50	43.3	87	60-127	
Bromomethane	ug/L	50	42.7	85	30-170	
Carbon disulfide	ug/L	100	77.3	77	58-152	
Carbon tetrachloride	ug/L	50	48.0	96	62-143	
Chlorobenzene	ug/L	50	49.7	99	75-123	
Chloroethane	ug/L	50	55.2	110	56-153	
Chloroform	ug/L	50	47.2	94	74-131	
Chloromethane	ug/L	50	48.5	97	35-147	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	74-128	
cis-1,3-Dichloropropene	ug/L	50	48.2	96	58-123	
Cyclohexane	ug/L	50	48.9J	98	63-134	
Dibromochloromethane	ug/L	50	52.6	105	66-131	
Dichlorodifluoromethane	ug/L	50	41.7	83	30-170	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

LABORATORY CONTROL SAMPLE: 263266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.2	98	81-126	
Isopropylbenzene (Cumene)	ug/L	50	51.9	104	80-130	
Methyl acetate	ug/L	50	47.9J	96	30-170	
Methyl-tert-butyl ether	ug/L	100	93.5	94	66-147	
Methylcyclohexane	ug/L	50	47.6J	95	65-135	
Methylene chloride	ug/L	50	50.8	102	32-164	
Styrene	ug/L	50	49.9	100	74-128	
Tetrachloroethene	ug/L	50	37.2	74	60-119	
Toluene	ug/L	50	50.6	101	75-129	
trans-1,2-Dichloroethene	ug/L	50	48.5	97	71-126	
trans-1,3-Dichloropropene	ug/L	50	42.4	85	54-123	
Trichloroethene	ug/L	50	50.0	100	74-130	
Trichlorofluoromethane	ug/L	50	51.5	103	62-150	
Vinyl chloride	ug/L	50	51.2	102	55-141	
Xylene (Total)	ug/L	150	148	99	76-132	
4-Bromofluorobenzene (S)	%			98	70-126	
Dibromofluoromethane (S)	%			100	80-123	
Toluene-d8 (S)	%			102	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 263267 263268

Parameter	Units	5023149010 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	42.0	39.6	84	79	64-143	6	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	44.4	44.6	89	89	64-142	0	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	50.3	48.8	101	98	71-143	3	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	44.3	43.1	89	86	70-130	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	36.8	35.7	74	71	68-139	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	41.0	39.5	82	79	55-140	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	21.7	17.3	43	35	28-140	23	20	R1
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.2	45.0	88	90	39-140	2	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.6	45.6	95	91	67-134	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	28.6	23.5	57	47	48-137	19	20	
1,2-Dichloroethane	ug/L	ND	50	50	45.5	45.9	91	92	63-148	1	20	
1,2-Dichloropropane	ug/L	ND	50	50	41.5	42.2	83	84	70-136	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	24.4	19.4	49	39	40-143	23	20	R1
1,4-Dichlorobenzene	ug/L	ND	50	50	21.8	17.1	44	34	38-142	24	20	R1
2-Butanone (MEK)	ug/L	ND	250	250	162	168	65	67	62-132	4	20	
2-Hexanone	ug/L	ND	250	250	205	217	82	87	61-141	6	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	267	270	107	108	57-135	1	20	
Acetone	ug/L	ND	250	250	113	130	45	52	30-170	14	20	
Benzene	ug/L	ND	50	50	38.6	36.8	77	74	63-141	5	20	
Bromodichloromethane	ug/L	ND	50	50	40.4	41.9	81	84	63-135	3	20	
Bromoform	ug/L	ND	50	50	37.9	38.9	76	78	58-124	2	20	
Bromomethane	ug/L	ND	50	50	37.4	40.6	75	81	30-170	8	20	
Carbon disulfide	ug/L	ND	100	100	63.4	57.4	63	57	46-162	10	20	
Carbon tetrachloride	ug/L	ND	50	50	40.0	37.5	80	75	54-145	6	20	

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7726 Moller Road
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(317)875-5894

QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 263267 263268

Parameter	Units	5023149010 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	32.6	28.9	65	58	56-133	12	20	
Chloroethane	ug/L	ND	50	50	49.7	49.1	99	98	54-157	1	20	
Chloroform	ug/L	ND	50	50	41.4	39.5	83	79	67-134	5	20	
Chloromethane	ug/L	ND	50	50	45.6	43.8	91	88	36-137	4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	40.9	39.2	82	78	65-132	4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.4	39.1	85	78	46-121	8	20	
Cyclohexane	ug/L	ND	50	50	39.5J	38J	79	76	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	48.1	45.7	96	91	64-124	5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	41.4	38.8	83	78	30-163	6	20	
Ethylbenzene	ug/L	ND	50	50	27.0	22.5	54	45	44-151	18	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	25.6	20.9	51	42	40-148	21	20	R1
Methyl acetate	ug/L	ND	50	50	47J	49.9J	94	100	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	91.8	95.8	92	96	52-156	4	20	
Methylcyclohexane	ug/L	ND	50	50	35.3J	33.5J	71	67	44-158		20	
Methylene chloride	ug/L	ND	50	50	45.9	45.3	92	91	46-154	1	20	
Styrene	ug/L	ND	50	50	30.1	25.1	60	50	38-141	18	20	
Tetrachloroethene	ug/L	ND	50	50	24.1	20.3	48	41	25-146	17	20	
Toluene	ug/L	ND	50	50	37.3	33.2	75	66	59-142	12	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	40.5	37.6	81	75	60-137	8	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	36.8	34.6	74	69	43-117	6	20	
Trichloroethene	ug/L	ND	50	50	34.2	31.1	68	62	61-137	10	20	
Trichlorofluoromethane	ug/L	ND	50	50	48.7	45.9	97	92	53-162	6	20	
Vinyl chloride	ug/L	ND	50	50	47.1	43.7	94	87	51-144	7	20	
Xylene (Total)	ug/L	ND	150	150	79.4	63.5	53	42	44-152	22	20	
4-Bromofluorobenzene (S)	%						95	91	70-126		20	
Dibromofluoromethane (S)	%						99	103	80-123		20	
Toluene-d8 (S)	%						109	107	80-116		20	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

QC Batch: MSV/14428 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5023146002, 5023146006

METHOD BLANK: 264735 | Matrix: Water
Associated Lab Samples: 5023146002, 5023146006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/17/09 13:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/17/09 13:27	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/17/09 13:27	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	02/17/09 13:27	
1,1-Dichloroethane	ug/L	ND	5.0	02/17/09 13:27	
1,1-Dichloroethene	ug/L	ND	5.0	02/17/09 13:27	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/17/09 13:27	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/17/09 13:27	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	02/17/09 13:27	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/17/09 13:27	
1,2-Dichloroethane	ug/L	ND	5.0	02/17/09 13:27	
1,2-Dichloropropane	ug/L	ND	5.0	02/17/09 13:27	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/17/09 13:27	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/17/09 13:27	
2-Butanone (MEK)	ug/L	ND	25.0	02/17/09 13:27	
2-Hexanone	ug/L	ND	25.0	02/17/09 13:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	02/17/09 13:27	
Acetone	ug/L	ND	100	02/17/09 13:27	
Benzene	ug/L	ND	5.0	02/17/09 13:27	
Bromodichloromethane	ug/L	ND	5.0	02/17/09 13:27	
Bromoform	ug/L	ND	5.0	02/17/09 13:27	
Bromomethane	ug/L	ND	5.0	02/17/09 13:27	
Carbon disulfide	ug/L	ND	10.0	02/17/09 13:27	
Carbon tetrachloride	ug/L	ND	5.0	02/17/09 13:27	
Chlorobenzene	ug/L	ND	5.0	02/17/09 13:27	
Chloroethane	ug/L	ND	5.0	02/17/09 13:27	
Chloroform	ug/L	ND	5.0	02/17/09 13:27	
Chloromethane	ug/L	ND	5.0	02/17/09 13:27	
cis-1,2-Dichloroethene	ug/L	ND	5.0	02/17/09 13:27	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/17/09 13:27	
Cyclohexane	ug/L	ND	100	02/17/09 13:27	
Dibromochloromethane	ug/L	ND	5.0	02/17/09 13:27	
Dichlorodifluoromethane	ug/L	ND	5.0	02/17/09 13:27	
Ethylbenzene	ug/L	ND	5.0	02/17/09 13:27	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	02/17/09 13:27	
Methyl acetate	ug/L	ND	50.0	02/17/09 13:27	
Methyl-tert-butyl ether	ug/L	ND	4.0	02/17/09 13:27	
Methylcyclohexane	ug/L	ND	50.0	02/17/09 13:27	
Methylene chloride	ug/L	ND	5.0	02/17/09 13:27	
Styrene	ug/L	ND	5.0	02/17/09 13:27	
Tetrachloroethene	ug/L	ND	5.0	02/17/09 13:27	
Toluene	ug/L	ND	5.0	02/17/09 13:27	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/17/09 13:27	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

METHOD BLANK: 264735 Matrix: Water

Associated Lab Samples: 5023146002, 5023146006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/17/09 13:27	
Trichloroethene	ug/L	ND	5.0	02/17/09 13:27	
Trichlorofluoromethane	ug/L	ND	5.0	02/17/09 13:27	
Vinyl chloride	ug/L	ND	2.0	02/17/09 13:27	
Xylene (Total)	ug/L	ND	10.0	02/17/09 13:27	
4-Bromofluorobenzene (S)	%	105	70-126	02/17/09 13:27	
Dibromofluoromethane (S)	%	102	80-123	02/17/09 13:27	
Toluene-d8 (S)	%	94	80-116	02/17/09 13:27	

LABORATORY CONTROL SAMPLE: 264736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	48.1	96	69-131	
1,1,2-Trichloroethane	ug/L	50	49.5	99	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	57.9	116	70-130	
1,1-Dichloroethane	ug/L	50	50.7	101	67-133	
1,1-Dichloroethene	ug/L	50	53.8	108	63-128	
1,2,4-Trichlorobenzene	ug/L	50	51.9	104	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.4	99	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	75-126	
1,2-Dichlorobenzene	ug/L	50	49.9	100	76-124	
1,2-Dichloroethane	ug/L	50	57.8	116	69-139	
1,2-Dichloropropane	ug/L	50	53.7	107	76-129	
1,3-Dichlorobenzene	ug/L	50	48.9	98	76-125	
1,4-Dichlorobenzene	ug/L	50	46.9	94	75-122	
2-Butanone (MEK)	ug/L	250	274	110	47-189	
2-Hexanone	ug/L	250	265	106	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	217	87	61-135	
Acetone	ug/L	250	287	115	30-170	
Benzene	ug/L	50	51.2	102	78-127	
Bromodichloromethane	ug/L	50	55.6	111	69-133	
Bromoform	ug/L	50	43.7	87	60-127	
Bromomethane	ug/L	50	33.8	68	30-170	
Carbon disulfide	ug/L	100	107	107	58-152	
Carbon tetrachloride	ug/L	50	57.0	114	62-143	
Chlorobenzene	ug/L	50	47.7	95	75-123	
Chloroethane	ug/L	50	53.6	107	56-153	
Chloroform	ug/L	50	54.3	109	74-131	
Chloromethane	ug/L	50	40.0	80	35-147	
cis-1,2-Dichloroethene	ug/L	50	53.4	107	74-128	
cis-1,3-Dichloropropene	ug/L	50	45.2	90	58-123	
Cyclohexane	ug/L	50	49J	98	63-134	
Dibromochloromethane	ug/L	50	48.0	96	66-131	
Dichlorodifluoromethane	ug/L	50	55.6	111	30-170	

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QUALITY CONTROL DATA

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

LABORATORY CONTROL SAMPLE: 264736

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	50.4	101	81-126	
Isopropylbenzene (Cumene)	ug/L	50	51.8	104	80-130	
Methyl acetate	ug/L	50	66.6	133	30-170	
Methyl-tert-butyl ether	ug/L	100	103	103	66-147	
Methylcyclohexane	ug/L	50	49.9J	100	65-135	
Methylene chloride	ug/L	50	49.1	98	32-164	
Styrene	ug/L	50	50.1	100	74-128	
Tetrachloroethene	ug/L	50	36.8	74	60-119	
Toluene	ug/L	50	47.0	94	75-129	
trans-1,2-Dichloroethene	ug/L	50	53.1	106	71-126	
trans-1,3-Dichloropropene	ug/L	50	40.4	81	54-123	
Trichloroethene	ug/L	50	50.9	102	74-130	
Trichlorofluoromethane	ug/L	50	58.4	117	62-150	
Vinyl chloride	ug/L	50	51.1	102	55-141	
Xylene (Total)	ug/L	150	153	102	76-132	
4-Bromofluorobenzene (S)	%			102	70-126	
Dibromofluoromethane (S)	%			107	80-123	
Toluene-d8 (S)	%			91	80-116	

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QUALIFIERS

Project: AT RW/Outfall IN473.19
Pace Project No.: 5023146

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.

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.

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

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

ANALYTE QUALIFIERS

1d	Evaluated to 14.6 ug/L RSR 2/17/09
D4	Sample was diluted due to the presence of high levels of target analytes.
J	Analyte detected below reporting limit, therefore result is an estimate.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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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

KBA

ID # № 08793

SSOW Ref. Code: E077015

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000.473.0019
Phone: 317-231-6500	Project Name: Allison Trans
Fax: x6514	Project Number: IN473.19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

50 23146

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's meth 8260	Hardness	Remarks/Lab ID
1.	RW-0603-S3 (021009)	WG	10Feb09	1450	3		3					3		001
2.	RW-0501-S2B (021009)			1453	3		3					3		002
3.	RW-0502-S2B (021009)			1455	3		3					3		003
4.	RW-0604-S3 (021009)			1456	3		3					3		004
5.	RW-0602-S3 (021009)			1500	3		3					3		005
6.	RW-0501-S3 (021009)			1503	3		3					3		006
7.	RW-0604-S2B (021009)			1506	3		3					3		007
8.	RW-0602-S2B (021009)			1510	3		3					3		008
9.	RW-0204-S2A/RW-0205-S2A (021009)			1512	3		3					3		009
10.	RW-0203-S2A (021009)			1515	3		3					3		010
11.	RW-0202-S2A (021009)			1518	3		3					3		011
12.	RW-0201-S2A (021009)			1521	3		3					3		012
13.	RW-0605-S3 (021009)			1524	3		3					3		013
14.	Outfall_004_Inf (021009)	WG		1530	1				1				1	014
15.														
	TOTAL NUMBER OF CONTAINERS				40									

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand carry	1	R. Andrzejewski / Arcadis	11Feb09	0814	[signature] PACE	2/11/09	0814
AIRBILL NO.							

Sample Condition

Temp in °C	2.6 2.8 C
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

WI Clay 40/40 [illegible] Client [illegible]

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L [signature] Date: 10Feb09

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 # 5023146

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

Tracking #: _____

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

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

Thermometer Used 023456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.6-2.8°C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2/11/09 RE

				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.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 2/11/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

July 01, 2009

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

RE: Project: ATD IN000473.0019
Pace Project No.: 5027338

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: ATD IN000473.0019
Pace Project No.: 5027338

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5027338001	**RW-0604-S3(061609)**	Water	06/16/09 15:30	06/17/09 08:33
5027338002	**RW-0604-S2B(061609)**	Water	06/16/09 15:32	06/17/09 08:33
5027338003	**RW-0501-S3(061609)**	Water	06/16/09 15:34	06/17/09 08:33
5027338004	**RW-0501-S2B(061609)**	Water	06/16/09 15:36	06/17/09 08:33
5027338005	**RW-0602-S3(061609)**	Water	06/16/09 15:38	06/17/09 08:33
5027338006	**RW-0602-S2B(061609)**	Water	06/16/09 15:40	06/17/09 08:33
5027338007	**RW-0502-S2B(061609)**	Water	06/16/09 15:42	06/17/09 08:33
5027338008	**RW-0603-S3(061609)**	Water	06/16/09 15:45	06/17/09 08:33
5027338009	**RW-0605-S3(061609)**	Water	06/16/09 16:00	06/17/09 08:33
5027338010	**RW-0201-S2A(061609)**	Water	06/16/09 16:02	06/17/09 08:33
5027338011	**RW-0202-S2A(061609)**	Water	06/16/09 16:04	06/17/09 08:33
5027338012	**RW-0203-S2A(061609)**	Water	06/16/09 16:06	06/17/09 08:33
5027338013	**RW-0204/RW-0205-S2A(061609)**	Water	06/16/09 16:10	06/17/09 08:33

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SAMPLE ANALYTE COUNT

Project: ATD IN000473.0019
Pace Project No.: 5027338

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5027338001	**RW-0604-S3(061609)**	EPA 8260	AMV	51
5027338002	**RW-0604-S2B(061609)**	EPA 8260	AMV	51
5027338003	**RW-0501-S3(061609)**	EPA 8260	AMV	51
5027338004	**RW-0501-S2B(061609)**	EPA 8260	AMV	51
5027338005	**RW-0602-S3(061609)**	EPA 8260	AMV	51
5027338006	**RW-0602-S2B(061609)**	EPA 8260	AMV	51
5027338007	**RW-0502-S2B(061609)**	EPA 8260	AMV	51
5027338008	**RW-0603-S3(061609)**	EPA 8260	AMV	51
5027338009	**RW-0605-S3(061609)**	EPA 8260	AMV	51
5027338010	**RW-0201-S2A(061609)**	EPA 8260	AMV	51
5027338011	**RW-0202-S2A(061609)**	EPA 8260	AMV	51
5027338012	**RW-0203-S2A(061609)**	EPA 8260	AMV	51
5027338013	**RW-0204/RW-0205-S2A(061609)**	EPA 8260	AMV	50

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S3(061609) **Lab ID: 5027338001** Collected: 06/16/09 15:30 Received: 06/17/09 08:33 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		06/25/09 04:56	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 04:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 04:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 04:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 04:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 04:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 04:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 04:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 04:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 04:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 04:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 04:56	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 04:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 04:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 04:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 04:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 04:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 04:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 04:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 04:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 04:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 04:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 04:56	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 04:56	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 04:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 04:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 04:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 04:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 04:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 04:56	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 04:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 04:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 04:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 04:56	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S3(061609) **Lab ID: 5027338001** Collected: 06/16/09 15:30 Received: 06/17/09 08:33 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		06/25/09 04:56	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		06/25/09 04:56	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		06/25/09 04:56	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		06/25/09 04:56	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S2B(061609) **Lab ID: 5027338002** Collected: 06/16/09 15:32 Received: 06/17/09 08:33 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		06/25/09 06:04	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 06:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 06:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 06:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 06:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 06:04	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 06:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 06:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 06:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 06:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 06:04	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 06:04	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 06:04	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 06:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 06:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 06:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 06:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 06:04	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 06:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 06:04	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 06:04	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 06:04	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 06:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 06:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 06:04	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 06:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 06:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 06:04	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 06:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 06:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 06:04	76-13-1	
Vinyl chloride	**3.4**	ug/L	2.0	1		06/25/09 06:04	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S2B(061609) **Lab ID: 5027338002** Collected: 06/16/09 15:32 Received: 06/17/09 08:33 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		06/25/09 06:04	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		06/25/09 06:04	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		06/25/09 06:04	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		06/25/09 06:04	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S3(061609) **Lab ID: 5027338003** Collected: 06/16/09 15:34 Received: 06/17/09 08:33 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		06/25/09 06:39	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 06:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 06:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 06:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 06:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 06:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 06:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 06:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 06:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 06:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 06:39	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 06:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 06:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 06:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 06:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 06:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 06:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 06:39	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 06:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 06:39	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 06:39	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 06:39	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 06:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 06:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 06:39	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 06:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 06:39	79-34-5	
Tetrachloroethene	**0.80J**	ug/L	5.0	1		06/25/09 06:39	127-18-4	J
Toluene	ND	ug/L	5.0	1		06/25/09 06:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 06:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 06:39	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 06:39	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S3(061609) **Lab ID: 5027338003** Collected: 06/16/09 15:34 Received: 06/17/09 08:33 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		06/25/09 06:39	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		06/25/09 06:39	1868-53-7	
4-Bromofluorobenzene (S)	89	%	70-126	1		06/25/09 06:39	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		06/25/09 06:39	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S2B(061609) **Lab ID: 5027338004** Collected: 06/16/09 15:36 Received: 06/17/09 08:33 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		06/25/09 07:13	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 07:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 07:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 07:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 07:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 07:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 07:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 07:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 07:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 07:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 07:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 07:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 07:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 07:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 07:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 07:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	107-06-2	
1,1-Dichloroethene	**21.5**	ug/L	5.0	1		06/25/09 07:13	75-35-4	
cis-1,2-Dichloroethene	**92.6**	ug/L	5.0	1		06/25/09 07:13	156-59-2	
trans-1,2-Dichloroethene	**2.4J**	ug/L	5.0	1		06/25/09 07:13	156-60-5	J
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 07:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 07:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 07:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 07:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 07:13	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 07:13	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 07:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 07:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 07:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 07:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 07:13	79-34-5	
Tetrachloroethene	**1160**	ug/L	50.0	10		06/25/09 15:53	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 07:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	79-00-5	
Trichloroethene	**98.7**	ug/L	5.0	1		06/25/09 07:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 07:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 07:13	76-13-1	
Vinyl chloride	**34.2**	ug/L	2.0	1		06/25/09 07:13	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S2B(061609) **Lab ID: 5027338004** Collected: 06/16/09 15:36 Received: 06/17/09 08:33 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		06/25/09 07:13	1330-20-7	
Dibromofluoromethane (S)	100	%	80-123	1		06/25/09 07:13	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		06/25/09 07:13	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		06/25/09 07:13	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S3(061609) **Lab ID: 5027338005** Collected: 06/16/09 15:38 Received: 06/17/09 08:33 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		06/25/09 07:47	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 07:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 07:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 07:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 07:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 07:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 07:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 07:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 07:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 07:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 07:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 07:47	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 07:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 07:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 07:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 07:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 07:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 07:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 07:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 07:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 07:47	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 07:47	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 07:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 07:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 07:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 07:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 07:47	79-34-5	
Tetrachloroethene	**4.4J**	ug/L	5.0	1		06/25/09 07:47	127-18-4	J
Toluene	ND	ug/L	5.0	1		06/25/09 07:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 07:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 07:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 07:47	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S3(061609) **Lab ID: 5027338005** Collected: 06/16/09 15:38 Received: 06/17/09 08:33 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		06/25/09 07:47	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	1		06/25/09 07:47	1868-53-7	
4-Bromofluorobenzene (S)	87	%	70-126	1		06/25/09 07:47	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		06/25/09 07:47	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S2B(061609) **Lab ID: 5027338006** Collected: 06/16/09 15:40 Received: 06/17/09 08:33 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		06/25/09 08:22	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 08:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 08:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 08:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 08:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 08:22	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 08:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 08:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 08:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 08:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 08:22	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 08:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 08:22	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 08:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 08:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 08:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 08:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 08:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 08:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 08:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 08:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 08:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 08:22	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 08:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 08:22	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 08:22	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 08:22	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 08:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 08:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 08:22	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 08:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 08:22	79-34-5	
Tetrachloroethene	**141**	ug/L	5.0	1		06/25/09 08:22	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 08:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	79-00-5	
Trichloroethene	**2.5J**	ug/L	5.0	1		06/25/09 08:22	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 08:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 08:22	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 08:22	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S2B(061609) **Lab ID: 5027338006** Collected: 06/16/09 15:40 Received: 06/17/09 08:33 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		06/25/09 08:22	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		06/25/09 08:22	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		06/25/09 08:22	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		06/25/09 08:22	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0502-S2B(061609) **Lab ID: 5027338007** Collected: 06/16/09 15:42 Received: 06/17/09 08:33 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		06/25/09 11:48	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 11:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 11:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 11:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 11:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 11:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 11:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 11:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 11:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 11:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 11:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 11:48	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 11:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 11:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 11:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 11:48	75-71-8	
1,1-Dichloroethane	**11.9**	ug/L	5.0	1		06/25/09 11:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 11:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:48	75-35-4	
cis-1,2-Dichloroethene	**17.9**	ug/L	5.0	1		06/25/09 11:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 11:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 11:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 11:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 11:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 11:48	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 11:48	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 11:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 11:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 11:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 11:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 11:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 11:48	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 11:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 11:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 11:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 11:48	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 11:48	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0502-S2B(061609) **Lab ID: 5027338007** Collected: 06/16/09 15:42 Received: 06/17/09 08:33 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		06/25/09 11:48	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		06/25/09 11:48	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		06/25/09 11:48	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		06/25/09 11:48	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0603-S3(061609) **Lab ID: 5027338008** Collected: 06/16/09 15:45 Received: 06/17/09 08:33 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		06/25/09 11:13	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 11:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 11:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 11:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 11:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 11:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 11:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 11:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 11:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 11:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 11:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 11:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 11:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 11:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 11:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 11:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 11:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 11:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 11:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 11:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 11:13	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 11:13	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 11:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 11:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 11:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 11:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 11:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 11:13	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 11:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 11:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 11:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 11:13	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0603-S3(061609) **Lab ID: 5027338008** Collected: 06/16/09 15:45 Received: 06/17/09 08:33 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		06/25/09 11:13	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		06/25/09 11:13	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		06/25/09 11:13	460-00-4	
Toluene-d8 (S)	95	%	80-116	1		06/25/09 11:13	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0605-S3(061609) **Lab ID: 5027338009** Collected: 06/16/09 16:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 16:28	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 16:28	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 16:28	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 16:28	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 16:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 16:28	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 16:28	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 16:28	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 16:28	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 16:28	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 16:28	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 16:28	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 16:28	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 16:28	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 16:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 16:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 16:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 16:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 16:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 16:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 16:28	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 16:28	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 16:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 16:28	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 16:28	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 16:28	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 10:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 16:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 16:28	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 16:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 16:28	79-34-5	
Tetrachloroethene	**52200**	ug/L	5000	1000		06/25/09 17:04	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 16:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 16:28	79-00-5	
Trichloroethene	**1790**	ug/L	500	100		06/25/09 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 16:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 16:28	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 16:28	75-01-4	2d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0605-S3(061609) **Lab ID: 5027338009** Collected: 06/16/09 16:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 16:28	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	100		06/25/09 16:28	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	100		06/25/09 16:28	460-00-4	
Toluene-d8 (S)	98	%	80-116	100		06/25/09 16:28	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0201-S2A(061609) **Lab ID: 5027338010** Collected: 06/16/09 16:02 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 17:39	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 17:39	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 17:39	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 17:39	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 17:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 17:39	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 17:39	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 17:39	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 17:39	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 17:39	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 17:39	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 17:39	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 17:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 17:39	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 17:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 17:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 17:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 17:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 17:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 17:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 17:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 17:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 17:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 17:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 17:39	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 17:39	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 17:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 17:39	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 17:39	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 17:39	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 11:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 17:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 17:39	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 17:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 17:39	79-34-5	
Tetrachloroethene	**42300**	ug/L	5000	1000		06/25/09 18:14	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 17:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 17:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 17:39	79-00-5	
Trichloroethene	**761**	ug/L	500	100		06/25/09 17:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 17:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 17:39	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 17:39	75-01-4	2d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0201-S2A(061609) **Lab ID: 5027338010** Collected: 06/16/09 16:02 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 17:39	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	100		06/25/09 17:39	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	100		06/25/09 17:39	460-00-4	
Toluene-d8 (S)	97	%	80-116	100		06/25/09 17:39	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0202-S2A(061609) **Lab ID: 5027338011** Collected: 06/16/09 16:04 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 18:49	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 18:49	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 18:49	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 18:49	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 18:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 18:49	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 18:49	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 18:49	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 18:49	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 18:49	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 18:49	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 18:49	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 18:49	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 18:49	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 18:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 18:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 18:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 18:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 18:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 18:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 18:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 18:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 18:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 18:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 18:49	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 18:49	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 18:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 18:49	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 18:49	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 18:49	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 11:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 18:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 18:49	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 18:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 18:49	79-34-5	
Tetrachloroethene	**120000**	ug/L	5000	1000		06/25/09 19:25	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 18:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 18:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 18:49	79-00-5	
Trichloroethene	**926**	ug/L	500	100		06/25/09 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 18:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 18:49	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 18:49	75-01-4	2d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0202-S2A(061609) **Lab ID: 5027338011** Collected: 06/16/09 16:04 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 18:49	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	100		06/25/09 18:49	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	100		06/25/09 18:49	460-00-4	
Toluene-d8 (S)	97	%	80-116	100		06/25/09 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0203-S2A(061609) **Lab ID: 5027338012** Collected: 06/16/09 16:06 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 20:00	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 20:00	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 20:00	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 20:00	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 20:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 20:00	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 20:00	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 20:00	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 20:00	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 20:00	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 20:00	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 20:00	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 20:00	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 20:00	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 20:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 20:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 20:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 20:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 20:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 20:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 20:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 20:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 20:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 20:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 20:00	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 20:00	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 20:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 20:00	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 20:00	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 20:00	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 12:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 20:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 20:00	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 20:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 20:00	79-34-5	
Tetrachloroethene	**77800**	ug/L	5000	1000		06/25/09 20:35	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 20:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 20:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 20:00	79-00-5	
Trichloroethene	**1030**	ug/L	500	100		06/25/09 20:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 20:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 20:00	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 20:00	75-01-4	2d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0203-S2A(061609) **Lab ID: 5027338012** Collected: 06/16/09 16:06 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 20:00	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	100		06/25/09 20:00	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	100		06/25/09 20:00	460-00-4	
Toluene-d8 (S)	99	%	80-116	100		06/25/09 20:00	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0204/RW-0205-S2A(061609) **Lab ID: 5027338013** Collected: 06/16/09 16:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 23:30	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 23:30	71-43-2	3d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 23:30	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 23:30	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 23:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 23:30	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 23:30	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 23:30	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 23:30	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 23:30	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 23:30	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 23:30	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 23:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 23:30	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 23:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 23:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 23:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 23:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 23:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 23:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 23:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 23:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 23:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 23:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 23:30	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 23:30	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 23:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 23:30	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 23:30	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 23:30	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 13:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 23:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 23:30	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 23:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 23:30	79-34-5	
Tetrachloroethene	**73900**	ug/L	5000	1000		06/26/09 00:05	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 23:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 23:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 23:30	79-00-5	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 23:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 23:30	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 23:30	75-01-4	1d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0204/RW-0205-S2A(061609) **Lab ID: 5027338013** Collected: 06/16/09 16:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 23:30	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	100		06/25/09 23:30	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	100		06/25/09 23:30	460-00-4	
Toluene-d8 (S)	98	%	80-116	100		06/25/09 23:30	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

QC Batch: MSV/16968 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5027338001, 5027338002, 5027338003, 5027338004, 5027338005, 5027338006

METHOD BLANK: 314663 Matrix: Water
Associated Lab Samples: 5027338001, 5027338002, 5027338003, 5027338004, 5027338005, 5027338006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1-Dichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1-Dichloroethene	ug/L	ND	5.0	06/24/09 23:46	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dichloropropane	ug/L	ND	5.0	06/24/09 23:46	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
2-Butanone (MEK)	ug/L	ND	25.0	06/24/09 23:46	
2-Hexanone	ug/L	ND	25.0	06/24/09 23:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/24/09 23:46	
Acetone	ug/L	ND	100	06/24/09 23:46	
Benzene	ug/L	ND	5.0	06/24/09 23:46	
Bromodichloromethane	ug/L	ND	5.0	06/24/09 23:46	
Bromoform	ug/L	ND	5.0	06/24/09 23:46	
Bromomethane	ug/L	ND	5.0	06/24/09 23:46	
Carbon disulfide	ug/L	ND	10.0	06/24/09 23:46	
Carbon tetrachloride	ug/L	ND	5.0	06/24/09 23:46	
Chlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
Chloroethane	ug/L	ND	5.0	06/24/09 23:46	
Chloroform	ug/L	ND	5.0	06/24/09 23:46	
Chloromethane	ug/L	ND	5.0	06/24/09 23:46	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/24/09 23:46	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/24/09 23:46	
Cyclohexane	ug/L	ND	100	06/24/09 23:46	
Dibromochloromethane	ug/L	ND	5.0	06/24/09 23:46	
Dichlorodifluoromethane	ug/L	ND	5.0	06/24/09 23:46	
Ethylbenzene	ug/L	ND	5.0	06/24/09 23:46	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/24/09 23:46	
Methyl acetate	ug/L	ND	50.0	06/24/09 23:46	
Methyl-tert-butyl ether	ug/L	ND	4.0	06/24/09 23:46	
Methylcyclohexane	ug/L	ND	50.0	06/24/09 23:46	
Methylene chloride	ug/L	ND	5.0	06/24/09 23:46	
Styrene	ug/L	ND	5.0	06/24/09 23:46	
Tetrachloroethene	ug/L	ND	5.0	06/24/09 23:46	
Toluene	ug/L	ND	5.0	06/24/09 23:46	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/24/09 23:46	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

METHOD BLANK: 314663 Matrix: Water

Associated Lab Samples: 5027338001, 5027338002, 5027338003, 5027338004, 5027338005, 5027338006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/24/09 23:46	
Trichloroethene	ug/L	ND	5.0	06/24/09 23:46	
Trichlorofluoromethane	ug/L	ND	5.0	06/24/09 23:46	
Vinyl chloride	ug/L	ND	2.0	06/24/09 23:46	
Xylene (Total)	ug/L	ND	10.0	06/24/09 23:46	
4-Bromofluorobenzene (S)	%	92	70-126	06/24/09 23:46	
Dibromofluoromethane (S)	%	103	80-123	06/24/09 23:46	
Toluene-d8 (S)	%	98	80-116	06/24/09 23:46	

LABORATORY CONTROL SAMPLE: 314664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.3	101	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	69-131	
1,1,2-Trichloroethane	ug/L	50	53.0	106	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	50	46.7	93	67-133	
1,1-Dichloroethene	ug/L	50	50.8	102	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.0	96	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	51.2	102	75-126	
1,2-Dichlorobenzene	ug/L	50	50.9	102	76-124	
1,2-Dichloroethane	ug/L	50	54.6	109	69-139	
1,2-Dichloropropane	ug/L	50	49.1	98	76-129	
1,3-Dichlorobenzene	ug/L	50	52.6	105	76-125	
1,4-Dichlorobenzene	ug/L	50	52.1	104	75-122	
2-Butanone (MEK)	ug/L	250	233	93	47-189	
2-Hexanone	ug/L	250	250	100	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	241	96	61-135	
Acetone	ug/L	250	243	97	30-170	
Benzene	ug/L	50	47.3	95	78-127	
Bromodichloromethane	ug/L	50	48.3	97	69-133	
Bromoform	ug/L	50	48.0	96	60-127	
Bromomethane	ug/L	50	53.7	107	30-170	
Carbon disulfide	ug/L	100	93.8	94	58-152	
Carbon tetrachloride	ug/L	50	50.8	102	62-143	
Chlorobenzene	ug/L	50	49.2	98	75-123	
Chloroethane	ug/L	50	49.9	100	56-153	
Chloroform	ug/L	50	52.8	106	74-131	
Chloromethane	ug/L	50	42.6	85	35-147	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	74-128	
cis-1,3-Dichloropropene	ug/L	50	45.7	91	58-123	
Cyclohexane	ug/L	50	46J	92	63-134	
Dibromochloromethane	ug/L	50	57.1	114	66-131	
Dichlorodifluoromethane	ug/L	50	42.0	84	30-170	

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(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

LABORATORY CONTROL SAMPLE: 314664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	52.0	104	81-126	
Isopropylbenzene (Cumene)	ug/L	50	50.2	100	80-130	
Methyl acetate	ug/L	50	66.4	133	30-170	
Methyl-tert-butyl ether	ug/L	100	101	101	66-147	
Methylcyclohexane	ug/L	50	ND	83	65-135	
Methylene chloride	ug/L	50	45.4	91	32-164	
Styrene	ug/L	50	49.9	100	74-128	
Tetrachloroethene	ug/L	50	52.2	104	60-119	
Toluene	ug/L	50	50.4	101	75-129	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	71-126	
trans-1,3-Dichloropropene	ug/L	50	40.6	81	54-123	
Trichloroethene	ug/L	50	53.0	106	74-130	
Trichlorofluoromethane	ug/L	50	42.7	85	62-150	
Vinyl chloride	ug/L	50	45.2	90	55-141	
Xylene (Total)	ug/L	150	156	104	76-132	
4-Bromofluorobenzene (S)	%			92	70-126	
Dibromofluoromethane (S)	%			100	80-123	
Toluene-d8 (S)	%			94	80-116	

MATRIX SPIKE SAMPLE: 314665

Parameter	Units	5027338001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	53.6	107	64-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	46.4	93	64-142	
1,1,2-Trichloroethane	ug/L	ND	50	50.7	101	71-143	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	61.6	123	70-130	
1,1-Dichloroethane	ug/L	ND	50	47.8	96	68-139	
1,1-Dichloroethene	ug/L	ND	50	54.6	109	55-140	
1,2,4-Trichlorobenzene	ug/L	ND	50	42.9	86	28-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	43.6	87	39-140	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.3	97	67-134	
1,2-Dichlorobenzene	ug/L	ND	50	48.5	97	48-137	
1,2-Dichloroethane	ug/L	ND	50	53.0	106	63-148	
1,2-Dichloropropane	ug/L	ND	50	47.5	95	70-136	
1,3-Dichlorobenzene	ug/L	ND	50	50.8	102	40-143	
1,4-Dichlorobenzene	ug/L	ND	50	49.8	100	38-142	
2-Butanone (MEK)	ug/L	ND	250	209	83	62-132	
2-Hexanone	ug/L	ND	250	227	91	61-141	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	222	89	57-135	
Acetone	ug/L	ND	250	221	88	30-170	
Benzene	ug/L	ND	50	47.4	95	63-141	
Bromodichloromethane	ug/L	ND	50	46.0	92	63-135	
Bromoform	ug/L	ND	50	43.7	87	58-124	
Bromomethane	ug/L	ND	50	47.3	95	30-170	
Carbon disulfide	ug/L	ND	100	103	103	46-162	
Carbon tetrachloride	ug/L	ND	50	54.3	109	54-145	
Chlorobenzene	ug/L	ND	50	47.8	96	56-133	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

MATRIX SPIKE SAMPLE: 314665

Parameter	Units	5027338001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	ND	50	58.0	116	54-157	
Chloroform	ug/L	ND	50	52.6	105	67-134	
Chloromethane	ug/L	ND	50	41.7	83	36-137	
cis-1,2-Dichloroethene	ug/L	ND	50	54.3	109	65-132	
cis-1,3-Dichloropropene	ug/L	ND	50	44.6	89	46-121	
Cyclohexane	ug/L	ND	50	49.3J	99	39-167	
Dibromochloromethane	ug/L	ND	50	52.9	106	64-124	
Dichlorodifluoromethane	ug/L	ND	50	43.7	87	30-163	
Ethylbenzene	ug/L	ND	50	51.3	103	44-151	
Isopropylbenzene (Cumene)	ug/L	ND	50	51.2	101	40-148	
Methyl acetate	ug/L	ND	50	ND	93	40-182	
Methyl-tert-butyl ether	ug/L	ND	100	97.8	98	52-156	
Methylcyclohexane	ug/L	ND	50	ND	88	44-158	
Methylene chloride	ug/L	ND	50	44.8	90	46-154	
Styrene	ug/L	ND	50	46.8	94	38-141	
Tetrachloroethene	ug/L	ND	50	51.3	103	25-146	
Toluene	ug/L	ND	50	49.4	99	59-142	
trans-1,2-Dichloroethene	ug/L	ND	50	54.6	109	60-137	
trans-1,3-Dichloropropene	ug/L	ND	50	39.0	78	43-117	
Trichloroethene	ug/L	ND	50	52.6	105	61-137	
Trichlorofluoromethane	ug/L	ND	50	47.4	95	53-162	
Vinyl chloride	ug/L	ND	50	48.1	96	51-144	
Xylene (Total)	ug/L	ND	150	152	101	44-152	
4-Bromofluorobenzene (S)	%				92	70-126	
Dibromofluoromethane (S)	%				102	80-123	
Toluene-d8 (S)	%				93	80-116	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

QC Batch: MSV/16994 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5027338007, 5027338008, 5027338009, 5027338010, 5027338011, 5027338012

METHOD BLANK: 315232 Matrix: Water
Associated Lab Samples: 5027338007, 5027338008, 5027338009, 5027338010, 5027338011, 5027338012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1-Dichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1-Dichloroethene	ug/L	ND	5.0	06/25/09 10:38	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dichloropropane	ug/L	ND	5.0	06/25/09 10:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
2-Butanone (MEK)	ug/L	ND	25.0	06/25/09 10:38	
2-Hexanone	ug/L	ND	25.0	06/25/09 10:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/25/09 10:38	
Acetone	ug/L	ND	100	06/25/09 10:38	
Benzene	ug/L	ND	5.0	06/25/09 10:38	
Bromodichloromethane	ug/L	ND	5.0	06/25/09 10:38	
Bromoform	ug/L	ND	5.0	06/25/09 10:38	
Bromomethane	ug/L	ND	5.0	06/25/09 10:38	
Carbon disulfide	ug/L	ND	10.0	06/25/09 10:38	
Carbon tetrachloride	ug/L	ND	5.0	06/25/09 10:38	
Chlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
Chloroethane	ug/L	ND	5.0	06/25/09 10:38	
Chloroform	ug/L	ND	5.0	06/25/09 10:38	
Chloromethane	ug/L	ND	5.0	06/25/09 10:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 10:38	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 10:38	
Cyclohexane	ug/L	ND	100	06/25/09 10:38	
Dibromochloromethane	ug/L	ND	5.0	06/25/09 10:38	
Dichlorodifluoromethane	ug/L	ND	5.0	06/25/09 10:38	
Ethylbenzene	ug/L	ND	5.0	06/25/09 10:38	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/25/09 10:38	
Methyl acetate	ug/L	ND	50.0	06/25/09 10:38	
Methyl-tert-butyl ether	ug/L	ND	4.0	06/25/09 10:38	
Methylcyclohexane	ug/L	ND	50.0	06/25/09 10:38	
Methylene chloride	ug/L	ND	5.0	06/25/09 10:38	
Styrene	ug/L	ND	5.0	06/25/09 10:38	
Tetrachloroethene	ug/L	ND	5.0	06/25/09 10:38	
Toluene	ug/L	ND	5.0	06/25/09 10:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 10:38	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

METHOD BLANK: 315232 Matrix: Water

Associated Lab Samples: 5027338007, 5027338008, 5027338009, 5027338010, 5027338011, 5027338012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 10:38	
Trichloroethene	ug/L	ND	5.0	06/25/09 10:38	
Trichlorofluoromethane	ug/L	ND	5.0	06/25/09 10:38	
Vinyl chloride	ug/L	ND	2.0	06/25/09 10:38	
Xylene (Total)	ug/L	ND	10.0	06/25/09 10:38	
4-Bromofluorobenzene (S)	%	93	70-126	06/25/09 10:38	
Dibromofluoromethane (S)	%	102	80-123	06/25/09 10:38	
Toluene-d8 (S)	%	96	80-116	06/25/09 10:38	

LABORATORY CONTROL SAMPLE: 315233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.0	102	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	69-131	
1,1,2-Trichloroethane	ug/L	50	52.1	104	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	59.7	119	70-130	
1,1-Dichloroethane	ug/L	50	47.0	94	67-133	
1,1-Dichloroethene	ug/L	50	51.3	103	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.9	98	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	92	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.5	101	75-126	
1,2-Dichlorobenzene	ug/L	50	49.3	99	76-124	
1,2-Dichloroethane	ug/L	50	54.5	109	69-139	
1,2-Dichloropropane	ug/L	50	48.9	98	76-129	
1,3-Dichlorobenzene	ug/L	50	52.4	105	76-125	
1,4-Dichlorobenzene	ug/L	50	51.2	102	75-122	
2-Butanone (MEK)	ug/L	250	235	94	47-189	
2-Hexanone	ug/L	250	243	97	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	233	93	61-135	
Acetone	ug/L	250	246	99	30-170	
Benzene	ug/L	50	47.1	94	78-127	
Bromodichloromethane	ug/L	50	47.5	95	69-133	
Bromoform	ug/L	50	46.5	93	60-127	
Bromomethane	ug/L	50	64.8	130	30-170	
Carbon disulfide	ug/L	100	98.8	99	58-152	
Carbon tetrachloride	ug/L	50	52.2	104	62-143	
Chlorobenzene	ug/L	50	47.5	95	75-123	
Chloroethane	ug/L	50	55.3	111	56-153	
Chloroform	ug/L	50	53.9	108	74-131	
Chloromethane	ug/L	50	39.6	79	35-147	
cis-1,2-Dichloroethene	ug/L	50	53.8	108	74-128	
cis-1,3-Dichloropropene	ug/L	50	48.4	97	58-123	
Cyclohexane	ug/L	50	47.1J	94	63-134	
Dibromochloromethane	ug/L	50	54.0	108	66-131	
Dichlorodifluoromethane	ug/L	50	52.1	104	30-170	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

LABORATORY CONTROL SAMPLE: 315233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	50.7	101	81-126	
Isopropylbenzene (Cumene)	ug/L	50	49.0	98	80-130	
Methyl acetate	ug/L	50	66.2	132	30-170	
Methyl-tert-butyl ether	ug/L	100	101	101	66-147	
Methylcyclohexane	ug/L	50	ND	90	65-135	
Methylene chloride	ug/L	50	51.2	102	32-164	
Styrene	ug/L	50	48.6	97	74-128	
Tetrachloroethene	ug/L	50	51.5	103	60-119	
Toluene	ug/L	50	48.5	97	75-129	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	71-126	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	54-123	
Trichloroethene	ug/L	50	52.6	105	74-130	
Trichlorofluoromethane	ug/L	50	44.3	89	62-150	
Vinyl chloride	ug/L	50	47.8	96	55-141	
Xylene (Total)	ug/L	150	152	102	76-132	
4-Bromofluorobenzene (S)	%			90	70-126	
Dibromofluoromethane (S)	%			101	80-123	
Toluene-d8 (S)	%			91	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315234 315235

Parameter	Units	5027372006 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	50.7	46.7	101	93	64-143	8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.1	43.0	92	86	64-142	7	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	49.3	45.8	99	92	71-143	7	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	58.8	54.3	118	109	70-130	8	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.3	41.4	89	83	68-139	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.2	46.3	102	93	55-140	10	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.6	41.3	87	83	28-140	5	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	49.8	45.9	100	92	39-140	8	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	49.4	44.9	99	90	67-134	10	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	44.7	42.3	89	85	48-137	6	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.6	47.4	101	95	63-148	6	20	
1,2-Dichloropropane	ug/L	ND	50	50	46.1	42.3	92	85	70-136	9	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	48.4	45.8	97	92	40-143	6	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.1	44.4	94	89	38-142	6	20	
2-Butanone (MEK)	ug/L	ND	250	250	250	227	100	91	62-132	10	20	
2-Hexanone	ug/L	ND	250	250	267	247	107	99	61-141	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	250	231	100	92	57-135	8	20	
Acetone	ug/L	ND	250	250	248	228	99	91	30-170	9	20	
Benzene	ug/L	ND	50	50	45.9	42.6	92	85	63-141	8	20	
Bromodichloromethane	ug/L	ND	50	50	44.9	41.3	90	83	63-135	8	20	
Bromoform	ug/L	ND	50	50	44.3	40.7	89	81	58-124	8	20	
Bromomethane	ug/L	ND	50	50	41.9	41.1	84	82	30-170	2	20	
Carbon disulfide	ug/L	ND	100	100	98.4	91.4	98	91	46-162	7	20	
Carbon tetrachloride	ug/L	ND	50	50	51.4	48.1	103	96	54-145	7	20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315234 315235

Parameter	Units	5027372006 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	46.8	43.5	94	87	56-133	7	20	
Chloroethane	ug/L	ND	50	50	48.8	44.6	98	89	54-157	9	20	
Chloroform	ug/L	ND	50	50	52.0	47.3	104	95	67-134	9	20	
Chloromethane	ug/L	ND	50	50	36.0	35.5	72	71	36-137	1	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	52.1	48.2	102	94	65-132	8	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.2	41.9	92	84	46-121	10	20	
Cyclohexane	ug/L	ND	50	50	47J	44.2J	94	88	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	50.9	47.1	102	94	64-124	8	20	
Dichlorodifluoromethane	ug/L	ND	50	50	51.1	47.4	102	95	30-163	8	20	
Ethylbenzene	ug/L	ND	50	50	50.6	46.5	101	92	44-151	9	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	49.1	45.7	98	91	40-148	7	20	
Methyl acetate	ug/L	ND	50	50	65.7	58.2	131	116	40-182	12	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	95.7	89.7	96	90	52-156	6	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	89	84	44-158		20	
Methylene chloride	ug/L	ND	50	50	42.6	40.1	85	80	46-154	6	20	
Styrene	ug/L	ND	50	50	46.9	43.8	94	88	38-141	7	20	
Tetrachloroethene	ug/L	ND	50	50	53.2	48.9	103	94	25-146	8	20	
Toluene	ug/L	ND	50	50	47.5	43.8	95	88	59-142	8	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.3	49.9	105	100	60-137	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	40.3	37.5	81	75	43-117	7	20	
Trichloroethene	ug/L	ND	50	50	51.4	47.2	103	94	61-137	8	20	
Trichlorofluoromethane	ug/L	ND	50	50	42.4	39.1	85	78	53-162	8	20	
Vinyl chloride	ug/L	ND	50	50	47.1	43.3	94	87	51-144	8	20	
Xylene (Total)	ug/L	ND	150	150	151	139	101	93	44-152	8	20	
4-Bromofluorobenzene (S)	%						91	92	70-126		20	
Dibromofluoromethane (S)	%						103	103	80-123		20	
Toluene-d8 (S)	%						91	92	80-116		20	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

QC Batch: MSV/16995 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5027338013

METHOD BLANK: 315239 | Matrix: Water
Associated Lab Samples: 5027338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1-Dichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1-Dichloroethene	ug/L	ND	5.0	06/25/09 22:55	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dichloropropane	ug/L	ND	5.0	06/25/09 22:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
2-Butanone (MEK)	ug/L	ND	25.0	06/25/09 22:55	
2-Hexanone	ug/L	ND	25.0	06/25/09 22:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/25/09 22:55	
Acetone	ug/L	ND	100	06/25/09 22:55	
Benzene	ug/L	ND	5.0	06/25/09 22:55	
Bromodichloromethane	ug/L	ND	5.0	06/25/09 22:55	
Bromoform	ug/L	ND	5.0	06/25/09 22:55	
Bromomethane	ug/L	ND	5.0	06/25/09 22:55	
Carbon disulfide	ug/L	ND	10.0	06/25/09 22:55	
Carbon tetrachloride	ug/L	ND	5.0	06/25/09 22:55	
Chlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
Chloroethane	ug/L	ND	5.0	06/25/09 22:55	
Chloroform	ug/L	ND	5.0	06/25/09 22:55	
Chloromethane	ug/L	ND	5.0	06/25/09 22:55	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 22:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 22:55	
Cyclohexane	ug/L	ND	100	06/25/09 22:55	
Dibromochloromethane	ug/L	ND	5.0	06/25/09 22:55	
Dichlorodifluoromethane	ug/L	ND	5.0	06/25/09 22:55	
Ethylbenzene	ug/L	ND	5.0	06/25/09 22:55	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/25/09 22:55	
Methyl acetate	ug/L	ND	50.0	06/25/09 22:55	
Methyl-tert-butyl ether	ug/L	ND	4.0	06/25/09 22:55	
Methylcyclohexane	ug/L	ND	50.0	06/25/09 22:55	
Methylene chloride	ug/L	ND	5.0	06/25/09 22:55	
Styrene	ug/L	ND	5.0	06/25/09 22:55	
Tetrachloroethene	ug/L	ND	5.0	06/25/09 22:55	
Toluene	ug/L	ND	5.0	06/25/09 22:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 22:55	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

METHOD BLANK: 315239 Matrix: Water

Associated Lab Samples: 5027338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 22:55	
Trichlorofluoromethane	ug/L	ND	5.0	06/25/09 22:55	
Vinyl chloride	ug/L	ND	2.0	06/25/09 22:55	
Xylene (Total)	ug/L	ND	10.0	06/25/09 22:55	
4-Bromofluorobenzene (S)	%	92	70-126	06/25/09 22:55	
Dibromofluoromethane (S)	%	104	80-123	06/25/09 22:55	
Toluene-d8 (S)	%	97	80-116	06/25/09 22:55	

LABORATORY CONTROL SAMPLE: 315240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.1	106	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.2	94	69-131	
1,1,2-Trichloroethane	ug/L	50	55.6	111	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	58.2	116	70-130	
1,1-Dichloroethane	ug/L	50	49.3	99	67-133	
1,1-Dichloroethene	ug/L	50	52.0	104	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.7	97	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.5	107	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	75-126	
1,2-Dichlorobenzene	ug/L	50	50.3	101	76-124	
1,2-Dichloroethane	ug/L	50	57.9	116	69-139	
1,2-Dichloropropane	ug/L	50	51.5	103	76-129	
1,3-Dichlorobenzene	ug/L	50	52.9	106	76-125	
1,4-Dichlorobenzene	ug/L	50	51.5	103	75-122	
2-Butanone (MEK)	ug/L	250	312	125	47-189	
2-Hexanone	ug/L	250	299	120	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	271	108	61-135	
Acetone	ug/L	250	385	154	30-170	
Benzene	ug/L	50	50.3	101	78-127	
Bromodichloromethane	ug/L	50	50.9	102	69-133	
Bromoform	ug/L	50	48.8	98	60-127	
Bromomethane	ug/L	50	57.3	115	30-170	
Carbon disulfide	ug/L	100	99.3	99	58-152	
Carbon tetrachloride	ug/L	50	54.6	109	62-143	
Chlorobenzene	ug/L	50	50.9	102	75-123	
Chloroethane	ug/L	50	53.8	108	56-153	
Chloroform	ug/L	50	56.2	112	74-131	
Chloromethane	ug/L	50	41.1	82	35-147	
cis-1,2-Dichloroethene	ug/L	50	55.9	112	74-128	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	58-123	
Cyclohexane	ug/L	50	49.2J	98	63-134	
Dibromochloromethane	ug/L	50	58.2	116	66-131	
Dichlorodifluoromethane	ug/L	50	51.2	102	30-170	
Ethylbenzene	ug/L	50	53.7	107	81-126	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

LABORATORY CONTROL SAMPLE: 315240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	80-130	
Methyl acetate	ug/L	50	81.4	163	30-170	
Methyl-tert-butyl ether	ug/L	100	110	110	66-147	
Methylcyclohexane	ug/L	50	ND	89	65-135	
Methylene chloride	ug/L	50	53.2	106	32-164	
Styrene	ug/L	50	51.3	103	74-128	
Tetrachloroethene	ug/L	50	53.1	106	60-119	
Toluene	ug/L	50	50.5	101	75-129	
trans-1,2-Dichloroethene	ug/L	50	54.0	108	71-126	
trans-1,3-Dichloropropene	ug/L	50	42.9	86	54-123	
Trichlorofluoromethane	ug/L	50	42.9	86	62-150	
Vinyl chloride	ug/L	50	48.6	97	55-141	
Xylene (Total)	ug/L	150	160	107	76-132	
4-Bromofluorobenzene (S)	%			91	70-126	
Dibromofluoromethane (S)	%			105	80-123	
Toluene-d8 (S)	%			91	80-116	

MATRIX SPIKE SAMPLE: 315241

Parameter	Units	5027404007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	54.4	109	64-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	48.4	97	64-142	
1,1,2-Trichloroethane	ug/L	ND	50	52.4	105	71-143	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	61.7	123	70-130	
1,1-Dichloroethane	ug/L	ND	50	49.9	100	68-139	
1,1-Dichloroethene	ug/L	ND	50	52.9	106	55-140	
1,2,4-Trichlorobenzene	ug/L	ND	50	46.8	94	28-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	47.3	95	39-140	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50.2	100	67-134	
1,2-Dichlorobenzene	ug/L	10.4	50	58.8	97	48-137	
1,2-Dichloroethane	ug/L	ND	50	54.5	109	63-148	
1,2-Dichloropropane	ug/L	ND	50	51.1	102	70-136	
1,3-Dichlorobenzene	ug/L	ND	50	51.7	103	40-143	
1,4-Dichlorobenzene	ug/L	ND	50	51.0	102	38-142	
2-Butanone (MEK)	ug/L	54.0	250	284	92	62-132	
2-Hexanone	ug/L	ND	250	265	106	61-141	
4-Methyl-2-pentanone (MIBK)	ug/L	104	250	339	94	57-135	
Benzene	ug/L	ND	50	49.8	100	63-141	
Bromodichloromethane	ug/L	ND	50	47.1	94	63-135	
Bromoform	ug/L	ND	50	43.9	88	58-124	
Bromomethane	ug/L	ND	50	29.2	58	30-170	
Carbon disulfide	ug/L	ND	100	108	108	46-162	
Carbon tetrachloride	ug/L	ND	50	56.4	113	54-145	
Chlorobenzene	ug/L	ND	50	48.7	97	56-133	
Chloroethane	ug/L	ND	50	62.2	124	54-157	
Chloroform	ug/L	ND	50	55.7	111	67-134	
Chloromethane	ug/L	ND	50	41.4	83	36-137	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

MATRIX SPIKE SAMPLE: 315241

Parameter	Units	5027404007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	3.9	50	59.3	111	65-132	
cis-1,3-Dichloropropene	ug/L	ND	50	45.7	91	46-121	
Cyclohexane	ug/L	ND	50	51.7J	103	39-167	
Dibromochloromethane	ug/L	ND	50	53.0	106	64-124	
Dichlorodifluoromethane	ug/L	ND	50	49.8	100	30-163	
Ethylbenzene	ug/L	20.2	50	71.8	103	44-151	
Isopropylbenzene (Cumene)	ug/L	2.1	50	53.7	103	40-148	
Methyl acetate	ug/L	ND	50	122	244	40-182	M0
Methyl-tert-butyl ether	ug/L	ND	100	102	102	52-156	
Methylcyclohexane	ug/L	ND	50	ND	97	44-158	
Methylene chloride	ug/L	ND	50	46.5	92	46-154	
Styrene	ug/L	ND	50	47.5	95	38-141	
Tetrachloroethene	ug/L	5.9	50	58.3	105	25-146	
Toluene	ug/L	1.2	50	52.5	103	59-142	
trans-1,2-Dichloroethene	ug/L	6.7	50	62.6	112	60-137	
trans-1,3-Dichloropropene	ug/L	ND	50	39.5	79	43-117	
Trichlorofluoromethane	ug/L	ND	50	46.1	92	53-162	
Vinyl chloride	ug/L	24.5	50	70.9	93	51-144	
Xylene (Total)	ug/L	158	150	303	97	44-152	
4-Bromofluorobenzene (S)	%				91	70-126	
Dibromofluoromethane (S)	%				102	80-123	
Toluene-d8 (S)	%				92	80-116	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: ATD IN000473.0019
Pace Project No.: 5027338

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.

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.

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

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

ANALYTE QUALIFIERS

1d	Evaluated to 179 ug/L per MDL AMV 6-26-09
2d	Evaluated to 179 ug/L per MDL. AMV 6-27-09
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.
J	Analyte detected below reporting limit, therefore result is an estimate.
M0	Matrix spike recovery was outside laboratory control limits.

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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 # № 08778

SSOW Ref. Code: ~~E027018~~

E027020 per Sue 6/23/09

6027338

Required Client Information:

Company: arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473[illegible]9.00007
Phone: 317-231-6500	Project Name: ATD
Fax: x6514	Project Number: IN473.19.7
E-mail: emoosbrugger@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

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.	RW-0604-S3(061609)	EWINF	16Jun09	1530	3		3					3	001
2.	RW-0604-S2B(061609)			1532	3		3					3	002
3.	RW-0501-S3 (061609)			1534	3		3					3	003
4.	RW-0501-S2B (061609)			1536	3		3					3	004
5.	RW-0602-S3(061609)			1538	3		3					3	005
6.	RW-0602-S2B (061609)			1540	3		3					3	006
7.	RW-0502-S2B (061609)			1542	3		3					3	007
8.	RW-0603-S3 (061609)			[illegible]45	3		3					3	008
9.	RW-0605-S3(061609)			1600	3		3					3	009
10.	RW-0201-S2A (061609)			1602	3		3					3	010
11.	RW-0202-S2A (061609)			1604	3		3					3	011
12.	RW-0203-S2A (061609)			1606	3		3					3	012
13.	RW-0204-S2A/RW-0205-S[illegible] (061609)			1610	3		3					3	013
14.													
15.													
	TOTAL NUMBER OF CONTAINERS				39								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski [illegible]	17Jun09	0833	[illegible]	6/17/09	0833
AIRBILL NO.							

Sample Condition

Temp in °C	29
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski

Date: 17 Jun 09

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

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: AREADIS Project # 5027338

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other FOAM

Thermometer Used 1 2 3 4 5 6 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2-9C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: _____

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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☒N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☒N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☒N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 6/17/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Container Count

CLIENT: ARCADIS

COC PAGE 1 of 1

COC ID# 08778

Project # 507338

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
* 13	1															

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	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 gl	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 gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	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 gla	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.
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(317)875-5894

July 01, 2009

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

RE: Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Indiana Certification IDs

Ohio VAP: CL0065
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5027335001	**Outfall-003(061609)**	Water	06/16/09 14:00	06/17/09 08:33
5027335002	**Outfall-004-Influent(061609)**	Water	06/16/09 17:00	06/17/09 08:33
5027335003	**Outfall-004-Effluent(061609)**	Water	06/16/09 17:05	06/17/09 08:33

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SAMPLE ANALYTE COUNT

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5027335001	**Outfall-003(061609)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C
5027335002	**Outfall-004-Influent(061609)**	EPA 624	AMV	36	PASI-I
5027335003	**Outfall-004-Effluent(061609)**	EPA 624	AMV	36	PASI-I

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ANALYTICAL RESULTS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Sample: Outfall-003(061609) **Lab ID: 5027335001** Collected: 06/16/09 14:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/28/09 12:51		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		06/28/09 12:58		

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ANALYTICAL RESULTS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Sample: Outfall-004-Influent(061609) **Lab ID: 5027335002** Collected: 06/16/09 17:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	50.0	10		06/27/09 13:29	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		06/27/09 13:29	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/27/09 13:29	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/27/09 13:29	74-83-9	
Carbon tetrachloride	ND	ug/L	50.0	10		06/27/09 13:29	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/27/09 13:29	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	500	10		06/27/09 13:29	110-75-8	
Chloroform	ND	ug/L	50.0	10		06/27/09 13:29	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/27/09 13:29	74-87-3	
Dibromochloromethane	ND	ug/L	50.0	10		06/27/09 13:29	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	106-46-7	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/27/09 13:29	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/27/09 13:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/27/09 13:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/27/09 13:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/27/09 13:29	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/27/09 13:29	100-41-4	
Methylene chloride	ND	ug/L	50.0	10		06/27/09 13:29	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	50.0	10		06/27/09 13:29	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/27/09 13:29	79-34-5	
Tetrachloroethene	**6550**	ug/L	500	100		06/27/09 14:04	127-18-4	
Toluene	ND	ug/L	50.0	10		06/27/09 13:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	79-00-5	
Trichloroethene	**105**	ug/L	50.0	10		06/27/09 13:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/27/09 13:29	75-69-4	
Vinyl chloride	ND	ug/L	20.0	10		06/27/09 13:29	75-01-4	2d,D4
Xylene (Total)	ND	ug/L	100	10		06/27/09 13:29	1330-20-7	
Dibromofluoromethane (S)	101	%	88-119	10		06/27/09 13:29	1868-53-7	
4-Bromofluorobenzene (S)	91	%	82-116	10		06/27/09 13:29	460-00-4	
Toluene-d8 (S)	99	%	86-112	10		06/27/09 13:29	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Sample: Outfall-004-Effluent(061609) **Lab ID: 5027335003** Collected: 06/16/09 17:05 Received: 06/17/09 08:33 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		06/27/09 15:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/27/09 15:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/27/09 15:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/27/09 15:13	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		06/27/09 15:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/27/09 15:13	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		06/27/09 15:13	110-75-8	
Chloroform	ND	ug/L	5.0	1		06/27/09 15:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/27/09 15:13	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/27/09 15:13	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/27/09 15:13	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/27/09 15:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/27/09 15:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 15:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 15:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/27/09 15:13	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		06/27/09 15:13	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		06/27/09 15:13	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/27/09 15:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/27/09 15:13	127-18-4	
Toluene	ND	ug/L	5.0	1		06/27/09 15:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/27/09 15:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/27/09 15:13	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		06/27/09 15:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		06/27/09 15:13	1330-20-7	
Dibromofluoromethane (S)	104	%	88-119	1		06/27/09 15:13	1868-53-7	
4-Bromofluorobenzene (S)	91	%	82-116	1		06/27/09 15:13	460-00-4	
Toluene-d8 (S)	97	%	86-112	1		06/27/09 15:13	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

QC Batch: GCSV/5683 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5027335001

METHOD BLANK: 300963 | Matrix: Water
Associated Lab Samples: 5027335001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/28/09 12:45	

LABORATORY CONTROL SAMPLE: 300964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.3	101	78-114	

MATRIX SPIKE SAMPLE: 300965

Parameter	Units	9246749001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	43.1	99	78-114	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

QC Batch: GCSV/5684 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5027335001

METHOD BLANK: 300966 | Matrix: Water
Associated Lab Samples: 5027335001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	06/28/09 12:53	

LABORATORY CONTROL SAMPLE: 300967

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: 300968

Parameter	Units	9246749001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	22.3	98	64-132	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

QC Batch: MSV/17040 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5027335002, 5027335003

METHOD BLANK: 315966 | Matrix: Water
Associated Lab Samples: 5027335002, 5027335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloropropane	ug/L	ND	5.0	06/27/09 12:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
2-Chloroethylvinyl ether	ug/L	ND	50.0	06/27/09 12:55	
Benzene	ug/L	ND	5.0	06/27/09 12:55	
Bromodichloromethane	ug/L	ND	5.0	06/27/09 12:55	
Bromoform	ug/L	ND	5.0	06/27/09 12:55	
Bromomethane	ug/L	ND	5.0	06/27/09 12:55	
Carbon tetrachloride	ug/L	ND	5.0	06/27/09 12:55	
Chlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
Chloroethane	ug/L	ND	5.0	06/27/09 12:55	
Chloroform	ug/L	ND	5.0	06/27/09 12:55	
Chloromethane	ug/L	ND	5.0	06/27/09 12:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Dibromochloromethane	ug/L	ND	5.0	06/27/09 12:55	
Ethylbenzene	ug/L	ND	5.0	06/27/09 12:55	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/27/09 12:55	
Methylene chloride	ug/L	ND	5.0	06/27/09 12:55	
Tetrachloroethene	ug/L	ND	5.0	06/27/09 12:55	
Toluene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Trichloroethene	ug/L	ND	5.0	06/27/09 12:55	
Trichlorofluoromethane	ug/L	ND	5.0	06/27/09 12:55	
Vinyl chloride	ug/L	ND	2.0	06/27/09 12:55	
Xylene (Total)	ug/L	ND	10.0	06/27/09 12:55	
4-Bromofluorobenzene (S)	%	90	82-116	06/27/09 12:55	
Dibromofluoromethane (S)	%	102	88-119	06/27/09 12:55	
Toluene-d8 (S)	%	98	86-112	06/27/09 12:55	

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	68-135	
1,1,2-Trichloroethane	ug/L	20	21.9	110	73-143	
1,1-Dichloroethane	ug/L	20	21.0	105	68-131	
1,1-Dichloroethene	ug/L	20	23.4	117	79-129	
1,2-Dichlorobenzene	ug/L	20	21.2	106	74-132	
1,2-Dichloroethane	ug/L	20	23.9	120	72-144	
1,2-Dichloropropane	ug/L	20	21.3	106	77-131	
1,3-Dichlorobenzene	ug/L	20	22.2	111	73-130	
1,4-Dichlorobenzene	ug/L	20	21.5	107	69-128	
Benzene	ug/L	20	20.7	104	70-134	
Bromodichloromethane	ug/L	20	20.5	102	74-126	
Bromoform	ug/L	20	19.7	99	56-138	
Bromomethane	ug/L	20	33.2	166	28-152	L3
Carbon tetrachloride	ug/L	20	23.0	115	61-144	
Chlorobenzene	ug/L	20	21.0	105	72-126	
Chloroethane	ug/L	20	25.1	125	58-136	
Chloroform	ug/L	20	22.9	114	78-130	
Chloromethane	ug/L	20	21.3	107	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	47-130	
Dibromochloromethane	ug/L	20	22.0	110	71-129	
Ethylbenzene	ug/L	20	22.0	110	65-134	
Methyl-tert-butyl ether	ug/L	40	45.8	115	65-145	
Methylene chloride	ug/L	20	21.9	110	31-171	
Tetrachloroethene	ug/L	20	22.2	111	60-128	
Toluene	ug/L	20	21.2	106	72-132	
trans-1,2-Dichloroethene	ug/L	20	24.4	122	76-134	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	58-122	
Trichloroethene	ug/L	20	23.0	115	47-150	
Trichlorofluoromethane	ug/L	20	19.3	96	51-146	
Vinyl chloride	ug/L	20	22.0	110	67-129	
Xylene (Total)	ug/L	60	67.2	112	63-134	
4-Bromofluorobenzene (S)	%			90	82-116	
Dibromofluoromethane (S)	%			104	88-119	
Toluene-d8 (S)	%			94	86-112	

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	23.6	118	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.0	100	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	21.9	110	70-145	
1,1-Dichloroethane	ug/L	ND	20	21.4	107	55-143	
1,1-Dichloroethene	ug/L	ND	20	25.0	125	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	21.3	106	29-156	
1,2-Dichloroethane	ug/L	ND	20	22.2	111	69-145	
1,2-Dichloropropane	ug/L	ND	20	21.9	109	73-133	
1,3-Dichlorobenzene	ug/L	ND	20	22.3	111	40-149	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	20	21.5	108	38-146	
Benzene	ug/L	ND	20	21.1	105	54-144	
Bromodichloromethane	ug/L	ND	20	20.3	101	65-135	
Bromoform	ug/L	ND	20	19.2	96	47-140	
Bromomethane	ug/L	ND	20	24.1	121	40-160	
Carbon tetrachloride	ug/L	ND	20	23.7	118	50-159	
Chlorobenzene	ug/L	ND	20	21.1	106	29-154	
Chloroethane	ug/L	ND	20	33.0	165	33-176	
Chloroform	ug/L	ND	20	24.1	121	58-147	
Chloromethane	ug/L	ND	20	21.8	109	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	19.3	96	56-114	
Dibromochloromethane	ug/L	ND	20	21.9	110	59-137	
Ethylbenzene	ug/L	ND	20	22.8	114	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	45.7	114	60-158	
Methylene chloride	ug/L	ND	20	20.1	101	30-169	
Tetrachloroethene	ug/L	ND	20	22.4	112	21-156	
Toluene	ug/L	ND	20	22.0	110	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	25.2	126	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	17.4	87	54-117	
Trichloroethene	ug/L	ND	20	23.5	118	21-165	
Trichlorofluoromethane	ug/L	ND	20	20.1	100	42-168	
Vinyl chloride	ug/L	ND	20	23.8	119	60-144	
Xylene (Total)	ug/L	ND	60	68.9	115	30-163	
4-Bromofluorobenzene (S)	%				91	82-116	
Dibromofluoromethane (S)	%				104	88-119	
Toluene-d8 (S)	%				96	86-112	

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QUALIFIERS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Benzene evaluated to 6.2 ug/L per MDL. AMV 6-28-09
2d	evaluated to 3.8 ug/L per MDL. AMV 6-28-09
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.

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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 08780

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indianapolis, IN 46204	P.O.: IN000473.0019
Phone: 317-236-6500	Project Name: GTD
Fax: x 6514	Project Number: IN000473.0019
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

SSOW Ref. Code: E027018

E027020 per Sue 6/23/09

5027335

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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	TPH/OTG (1664)	TTO VOC (624)										Remarks/Lab ID
1.	OUTFALL-003 (061609)	WT	16Jun09	1400	2		2					2											001
2.	OUTFALL-004-Inflwent (061609)	IN	16Jun09	1700	3		3						3										002
3.	OUTFALL-004-Effluent (061609)	WT	16Jun09	1705	3		3						3										003
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS				8																		

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski / Arcadis	17Jun09	0833	[illegible] / PACE	6/17/09	0833
AIRBILL NO.							

Sample Condition

Temp in °C	2.9
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

KLI Client add.

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski Date: 17Jun09

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 # 5027335

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

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

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

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

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.9 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: _____

		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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 6/17/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Container Count

CLIENT: ARCADIS

COC PAGE 1 of 1
COC ID# 08780

Project # 5027335

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

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	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 gl	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 gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	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 gla	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.
7726 Moller Road
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(317)875-5894

July 01, 2009

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

RE: Project: ATD IN000473.0019
Pace Project No.: 5027338

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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SAMPLE SUMMARY

Project: ATD IN000473.0019
Pace Project No.: 5027338

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5027338001	**RW-0604-S3(061609)**	Water	06/16/09 15:30	06/17/09 08:33
5027338002	**RW-0604-S2B(061609)**	Water	06/16/09 15:32	06/17/09 08:33
5027338003	**RW-0501-S3(061609)**	Water	06/16/09 15:34	06/17/09 08:33
5027338004	**RW-0501-S2B(061609)**	Water	06/16/09 15:36	06/17/09 08:33
5027338005	**RW-0602-S3(061609)**	Water	06/16/09 15:38	06/17/09 08:33
5027338006	**RW-0602-S2B(061609)**	Water	06/16/09 15:40	06/17/09 08:33
5027338007	**RW-0502-S2B(061609)**	Water	06/16/09 15:42	06/17/09 08:33
5027338008	**RW-0603-S3(061609)**	Water	06/16/09 15:45	06/17/09 08:33
5027338009	**RW-0605-S3(061609)**	Water	06/16/09 16:00	06/17/09 08:33
5027338010	**RW-0201-S2A(061609)**	Water	06/16/09 16:02	06/17/09 08:33
5027338011	**RW-0202-S2A(061609)**	Water	06/16/09 16:04	06/17/09 08:33
5027338012	**RW-0203-S2A(061609)**	Water	06/16/09 16:06	06/17/09 08:33
5027338013	**RW-0204/RW-0205-S2A(061609)**	Water	06/16/09 16:10	06/17/09 08:33

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SAMPLE ANALYTE COUNT

Project: ATD IN000473.0019
Pace Project No.: 5027338

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5027338001	**RW-0604-S3(061609)**	EPA 8260	AMV	51
5027338002	**RW-0604-S2B(061609)**	EPA 8260	AMV	51
5027338003	**RW-0501-S3(061609)**	EPA 8260	AMV	51
5027338004	**RW-0501-S2B(061609)**	EPA 8260	AMV	51
5027338005	**RW-0602-S3(061609)**	EPA 8260	AMV	51
5027338006	**RW-0602-S2B(061609)**	EPA 8260	AMV	51
5027338007	**RW-0502-S2B(061609)**	EPA 8260	AMV	51
5027338008	**RW-0603-S3(061609)**	EPA 8260	AMV	51
5027338009	**RW-0605-S3(061609)**	EPA 8260	AMV	51
5027338010	**RW-0201-S2A(061609)**	EPA 8260	AMV	51
5027338011	**RW-0202-S2A(061609)**	EPA 8260	AMV	51
5027338012	**RW-0203-S2A(061609)**	EPA 8260	AMV	51
5027338013	**RW-0204/RW-0205-S2A(061609)**	EPA 8260	AMV	50

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S3(061609) **Lab ID: 5027338001** Collected: 06/16/09 15:30 Received: 06/17/09 08:33 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		06/25/09 04:56	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 04:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 04:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 04:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 04:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 04:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 04:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 04:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 04:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 04:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 04:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 04:56	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 04:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 04:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 04:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 04:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 04:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 04:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 04:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 04:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 04:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 04:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 04:56	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 04:56	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 04:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 04:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 04:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 04:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 04:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 04:56	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 04:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 04:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 04:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 04:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 04:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 04:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 04:56	75-01-4	

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Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S3(061609) **Lab ID: 5027338001** Collected: 06/16/09 15:30 Received: 06/17/09 08:33 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		06/25/09 04:56	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		06/25/09 04:56	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		06/25/09 04:56	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		06/25/09 04:56	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S2B(061609) **Lab ID: 5027338002** Collected: 06/16/09 15:32 Received: 06/17/09 08:33 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		06/25/09 06:04	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 06:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 06:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 06:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 06:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 06:04	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 06:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 06:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 06:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 06:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 06:04	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 06:04	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 06:04	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 06:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 06:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 06:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 06:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 06:04	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 06:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 06:04	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 06:04	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 06:04	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 06:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 06:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 06:04	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 06:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 06:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 06:04	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 06:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 06:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 06:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 06:04	76-13-1	
Vinyl chloride	**3.4**	ug/L	2.0	1		06/25/09 06:04	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0604-S2B(061609) **Lab ID: 5027338002** Collected: 06/16/09 15:32 Received: 06/17/09 08:33 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		06/25/09 06:04	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		06/25/09 06:04	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		06/25/09 06:04	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		06/25/09 06:04	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S3(061609) **Lab ID: 5027338003** Collected: 06/16/09 15:34 Received: 06/17/09 08:33 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		06/25/09 06:39	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 06:39	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 06:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 06:39	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 06:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 06:39	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 06:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 06:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 06:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 06:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 06:39	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 06:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 06:39	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 06:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 06:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 06:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 06:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 06:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 06:39	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 06:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 06:39	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 06:39	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 06:39	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 06:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 06:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 06:39	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 06:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 06:39	79-34-5	
Tetrachloroethene	**0.80J**	ug/L	5.0	1		06/25/09 06:39	127-18-4	J
Toluene	ND	ug/L	5.0	1		06/25/09 06:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 06:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 06:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 06:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 06:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 06:39	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 06:39	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S3(061609) **Lab ID: 5027338003** Collected: 06/16/09 15:34 Received: 06/17/09 08:33 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		06/25/09 06:39	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		06/25/09 06:39	1868-53-7	
4-Bromofluorobenzene (S)	89	%	70-126	1		06/25/09 06:39	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		06/25/09 06:39	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S2B(061609) **Lab ID: 5027338004** Collected: 06/16/09 15:36 Received: 06/17/09 08:33 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		06/25/09 07:13	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 07:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 07:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 07:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 07:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 07:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 07:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 07:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 07:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 07:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 07:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 07:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 07:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 07:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 07:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 07:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	107-06-2	
1,1-Dichloroethene	**21.5**	ug/L	5.0	1		06/25/09 07:13	75-35-4	
cis-1,2-Dichloroethene	**92.6**	ug/L	5.0	1		06/25/09 07:13	156-59-2	
trans-1,2-Dichloroethene	**2.4J**	ug/L	5.0	1		06/25/09 07:13	156-60-5	J
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 07:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 07:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 07:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 07:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 07:13	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 07:13	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 07:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 07:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 07:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 07:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 07:13	79-34-5	
Tetrachloroethene	**1160**	ug/L	50.0	10		06/25/09 15:53	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 07:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:13	79-00-5	
Trichloroethene	**98.7**	ug/L	5.0	1		06/25/09 07:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 07:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 07:13	76-13-1	
Vinyl chloride	**34.2**	ug/L	2.0	1		06/25/09 07:13	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0501-S2B(061609) **Lab ID: 5027338004** Collected: 06/16/09 15:36 Received: 06/17/09 08:33 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		06/25/09 07:13	1330-20-7	
Dibromofluoromethane (S)	100	%	80-123	1		06/25/09 07:13	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		06/25/09 07:13	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		06/25/09 07:13	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S3(061609) **Lab ID: 5027338005** Collected: 06/16/09 15:38 Received: 06/17/09 08:33 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		06/25/09 07:47	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 07:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 07:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 07:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 07:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 07:47	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 07:47	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 07:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 07:47	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 07:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 07:47	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 07:47	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 07:47	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 07:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 07:47	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 07:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 07:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 07:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 07:47	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 07:47	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 07:47	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 07:47	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 07:47	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 07:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 07:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 07:47	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 07:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 07:47	79-34-5	
Tetrachloroethene	**4.4J**	ug/L	5.0	1		06/25/09 07:47	127-18-4	J
Toluene	ND	ug/L	5.0	1		06/25/09 07:47	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 07:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 07:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 07:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 07:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 07:47	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 07:47	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S3(061609) **Lab ID: 5027338005** Collected: 06/16/09 15:38 Received: 06/17/09 08:33 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		06/25/09 07:47	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	1		06/25/09 07:47	1868-53-7	
4-Bromofluorobenzene (S)	87	%	70-126	1		06/25/09 07:47	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		06/25/09 07:47	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S2B(061609) **Lab ID: 5027338006** Collected: 06/16/09 15:40 Received: 06/17/09 08:33 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		06/25/09 08:22	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 08:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 08:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 08:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 08:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 08:22	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 08:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 08:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 08:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 08:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 08:22	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 08:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 08:22	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 08:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 08:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 08:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 08:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 08:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 08:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 08:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 08:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 08:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 08:22	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 08:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 08:22	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 08:22	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 08:22	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 08:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 08:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 08:22	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 08:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 08:22	79-34-5	
Tetrachloroethene	**141**	ug/L	5.0	1		06/25/09 08:22	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 08:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 08:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 08:22	79-00-5	
Trichloroethene	**2.5J**	ug/L	5.0	1		06/25/09 08:22	79-01-6	J
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 08:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 08:22	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 08:22	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0602-S2B(061609) **Lab ID: 5027338006** Collected: 06/16/09 15:40 Received: 06/17/09 08:33 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		06/25/09 08:22	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		06/25/09 08:22	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		06/25/09 08:22	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		06/25/09 08:22	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0502-S2B(061609) **Lab ID: 5027338007** Collected: 06/16/09 15:42 Received: 06/17/09 08:33 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		06/25/09 11:48	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 11:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 11:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 11:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 11:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 11:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 11:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 11:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 11:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 11:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 11:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 11:48	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 11:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 11:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 11:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 11:48	75-71-8	
1,1-Dichloroethane	**11.9**	ug/L	5.0	1		06/25/09 11:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 11:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:48	75-35-4	
cis-1,2-Dichloroethene	**17.9**	ug/L	5.0	1		06/25/09 11:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 11:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 11:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 11:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 11:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 11:48	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 11:48	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 11:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 11:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 11:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 11:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 11:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 11:48	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 11:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 11:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 11:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 11:48	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 11:48	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0502-S2B(061609) **Lab ID: 5027338007** Collected: 06/16/09 15:42 Received: 06/17/09 08:33 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		06/25/09 11:48	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		06/25/09 11:48	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		06/25/09 11:48	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		06/25/09 11:48	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0603-S3(061609) **Lab ID: 5027338008** Collected: 06/16/09 15:45 Received: 06/17/09 08:33 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		06/25/09 11:13	67-64-1	
Benzene	ND	ug/L	5.0	1		06/25/09 11:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/25/09 11:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/25/09 11:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/25/09 11:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		06/25/09 11:13	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		06/25/09 11:13	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		06/25/09 11:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/25/09 11:13	75-00-3	
Chloroform	ND	ug/L	5.0	1		06/25/09 11:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/25/09 11:13	74-87-3	
Cyclohexane	ND	ug/L	100	1		06/25/09 11:13	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		06/25/09 11:13	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		06/25/09 11:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		06/25/09 11:13	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		06/25/09 11:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/25/09 11:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/25/09 11:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/25/09 11:13	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		06/25/09 11:13	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		06/25/09 11:13	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		06/25/09 11:13	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		06/25/09 11:13	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		06/25/09 11:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		06/25/09 11:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		06/25/09 11:13	1634-04-4	
Styrene	ND	ug/L	5.0	1		06/25/09 11:13	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/25/09 11:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/25/09 11:13	127-18-4	
Toluene	ND	ug/L	5.0	1		06/25/09 11:13	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		06/25/09 11:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/25/09 11:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/25/09 11:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/25/09 11:13	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		06/25/09 11:13	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		06/25/09 11:13	75-01-4	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0603-S3(061609) **Lab ID: 5027338008** Collected: 06/16/09 15:45 Received: 06/17/09 08:33 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		06/25/09 11:13	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		06/25/09 11:13	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		06/25/09 11:13	460-00-4	
Toluene-d8 (S)	95	%	80-116	1		06/25/09 11:13	2037-26-5	

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(317)875-5894

ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0605-S3(061609) **Lab ID: 5027338009** Collected: 06/16/09 16:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 16:28	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 16:28	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 16:28	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 16:28	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 16:28	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 16:28	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 16:28	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 16:28	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 16:28	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 16:28	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 16:28	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 16:28	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 16:28	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 16:28	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 16:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 16:28	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 16:28	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 16:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 16:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 16:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 16:28	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 16:28	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 16:28	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 16:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 16:28	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 16:28	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 16:28	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 10:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 16:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 16:28	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 16:28	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 16:28	79-34-5	
Tetrachloroethene	**52200**	ug/L	5000	1000		06/25/09 17:04	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 16:28	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 16:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 16:28	79-00-5	
Trichloroethene	**1790**	ug/L	500	100		06/25/09 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 16:28	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 16:28	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 16:28	75-01-4	2d,D4

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0605-S3(061609) **Lab ID: 5027338009** Collected: 06/16/09 16:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 16:28	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	100		06/25/09 16:28	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	100		06/25/09 16:28	460-00-4	
Toluene-d8 (S)	98	%	80-116	100		06/25/09 16:28	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0201-S2A(061609) **Lab ID: 5027338010** Collected: 06/16/09 16:02 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 17:39	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 17:39	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 17:39	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 17:39	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 17:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 17:39	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 17:39	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 17:39	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 17:39	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 17:39	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 17:39	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 17:39	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 17:39	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 17:39	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 17:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 17:39	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 17:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 17:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 17:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 17:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 17:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 17:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 17:39	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 17:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 17:39	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 17:39	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 17:39	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 17:39	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 17:39	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 17:39	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 11:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 17:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 17:39	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 17:39	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 17:39	79-34-5	
Tetrachloroethene	**42300**	ug/L	5000	1000		06/25/09 18:14	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 17:39	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 17:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 17:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 17:39	79-00-5	
Trichloroethene	**761**	ug/L	500	100		06/25/09 17:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 17:39	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 17:39	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 17:39	75-01-4	2d,D4

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(317)875-5894

ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0201-S2A(061609) **Lab ID: 5027338010** Collected: 06/16/09 16:02 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 17:39	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	100		06/25/09 17:39	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	100		06/25/09 17:39	460-00-4	
Toluene-d8 (S)	97	%	80-116	100		06/25/09 17:39	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0202-S2A(061609) **Lab ID: 5027338011** Collected: 06/16/09 16:04 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 18:49	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 18:49	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 18:49	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 18:49	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 18:49	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 18:49	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 18:49	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 18:49	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 18:49	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 18:49	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 18:49	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 18:49	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 18:49	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 18:49	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 18:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 18:49	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 18:49	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 18:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 18:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 18:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 18:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 18:49	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 18:49	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 18:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 18:49	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 18:49	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 18:49	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 18:49	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 18:49	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 18:49	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 11:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 18:49	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 18:49	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 18:49	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 18:49	79-34-5	
Tetrachloroethene	**120000**	ug/L	5000	1000		06/25/09 19:25	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 18:49	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 18:49	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 18:49	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 18:49	79-00-5	
Trichloroethene	**926**	ug/L	500	100		06/25/09 18:49	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 18:49	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 18:49	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 18:49	75-01-4	2d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0202-S2A(061609) **Lab ID: 5027338011** Collected: 06/16/09 16:04 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 18:49	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	100		06/25/09 18:49	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	100		06/25/09 18:49	460-00-4	
Toluene-d8 (S)	97	%	80-116	100		06/25/09 18:49	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0203-S2A(061609) **Lab ID: 5027338012** Collected: 06/16/09 16:06 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 20:00	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 20:00	71-43-2	4d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 20:00	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 20:00	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 20:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 20:00	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 20:00	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 20:00	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 20:00	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 20:00	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 20:00	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 20:00	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 20:00	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 20:00	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 20:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 20:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 20:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 20:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 20:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 20:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 20:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 20:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 20:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 20:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 20:00	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 20:00	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 20:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 20:00	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 20:00	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 20:00	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 12:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 20:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 20:00	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 20:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 20:00	79-34-5	
Tetrachloroethene	**77800**	ug/L	5000	1000		06/25/09 20:35	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 20:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 20:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 20:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 20:00	79-00-5	
Trichloroethene	**1030**	ug/L	500	100		06/25/09 20:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 20:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 20:00	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 20:00	75-01-4	2d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0203-S2A(061609) **Lab ID: 5027338012** Collected: 06/16/09 16:06 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 20:00	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	100		06/25/09 20:00	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	100		06/25/09 20:00	460-00-4	
Toluene-d8 (S)	99	%	80-116	100		06/25/09 20:00	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0204/RW-0205-S2A(061609) **Lab ID: 5027338013** Collected: 06/16/09 16:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10000	100		06/25/09 23:30	67-64-1	
Benzene	ND	ug/L	500	100		06/25/09 23:30	71-43-2	3d
Bromodichloromethane	ND	ug/L	500	100		06/25/09 23:30	75-27-4	
Bromoform	ND	ug/L	500	100		06/25/09 23:30	75-25-2	
Bromomethane	ND	ug/L	500	100		06/25/09 23:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	100		06/25/09 23:30	78-93-3	
Carbon disulfide	ND	ug/L	1000	100		06/25/09 23:30	75-15-0	
Carbon tetrachloride	ND	ug/L	500	100		06/25/09 23:30	56-23-5	
Chlorobenzene	ND	ug/L	500	100		06/25/09 23:30	108-90-7	
Chloroethane	ND	ug/L	500	100		06/25/09 23:30	75-00-3	
Chloroform	ND	ug/L	500	100		06/25/09 23:30	67-66-3	
Chloromethane	ND	ug/L	500	100		06/25/09 23:30	74-87-3	
Cyclohexane	ND	ug/L	10000	100		06/25/09 23:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	500	100		06/25/09 23:30	96-12-8	
Dibromochloromethane	ND	ug/L	500	100		06/25/09 23:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	100		06/25/09 23:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	100		06/25/09 23:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	100		06/25/09 23:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	100		06/25/09 23:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	100		06/25/09 23:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 23:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	100		06/25/09 23:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	500	100		06/25/09 23:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 23:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	500	100		06/25/09 23:30	10061-02-6	
Ethylbenzene	ND	ug/L	500	100		06/25/09 23:30	100-41-4	
2-Hexanone	ND	ug/L	2500	100		06/25/09 23:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	500	100		06/25/09 23:30	98-82-8	
Methyl acetate	ND	ug/L	5000	100		06/25/09 23:30	79-20-9	
Methylcyclohexane	ND	ug/L	5000	100		06/25/09 23:30	108-87-2	
Methylene chloride	ND	ug/L	500	100		06/26/09 13:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	100		06/25/09 23:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	400	100		06/25/09 23:30	1634-04-4	
Styrene	ND	ug/L	500	100		06/25/09 23:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	100		06/25/09 23:30	79-34-5	
Tetrachloroethene	**73900**	ug/L	5000	1000		06/26/09 00:05	127-18-4	
Toluene	ND	ug/L	500	100		06/25/09 23:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	500	100		06/25/09 23:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	100		06/25/09 23:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	100		06/25/09 23:30	79-00-5	
Trichlorofluoromethane	ND	ug/L	500	100		06/25/09 23:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	100		06/25/09 23:30	76-13-1	
Vinyl chloride	ND	ug/L	200	100		06/25/09 23:30	75-01-4	1d,D4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027338

Sample: RW-0204/RW-0205-S2A(061609) **Lab ID: 5027338013** Collected: 06/16/09 16:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	1000	100		06/25/09 23:30	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	100		06/25/09 23:30	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	100		06/25/09 23:30	460-00-4	
Toluene-d8 (S)	98	%	80-116	100		06/25/09 23:30	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

QC Batch: MSV/16968 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5027338001, 5027338002, 5027338003, 5027338004, 5027338005, 5027338006

METHOD BLANK: 314663 Matrix: Water
Associated Lab Samples: 5027338001, 5027338002, 5027338003, 5027338004, 5027338005, 5027338006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1-Dichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,1-Dichloroethene	ug/L	ND	5.0	06/24/09 23:46	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dichloroethane	ug/L	ND	5.0	06/24/09 23:46	
1,2-Dichloropropane	ug/L	ND	5.0	06/24/09 23:46	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
2-Butanone (MEK)	ug/L	ND	25.0	06/24/09 23:46	
2-Hexanone	ug/L	ND	25.0	06/24/09 23:46	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/24/09 23:46	
Acetone	ug/L	ND	100	06/24/09 23:46	
Benzene	ug/L	ND	5.0	06/24/09 23:46	
Bromodichloromethane	ug/L	ND	5.0	06/24/09 23:46	
Bromoform	ug/L	ND	5.0	06/24/09 23:46	
Bromomethane	ug/L	ND	5.0	06/24/09 23:46	
Carbon disulfide	ug/L	ND	10.0	06/24/09 23:46	
Carbon tetrachloride	ug/L	ND	5.0	06/24/09 23:46	
Chlorobenzene	ug/L	ND	5.0	06/24/09 23:46	
Chloroethane	ug/L	ND	5.0	06/24/09 23:46	
Chloroform	ug/L	ND	5.0	06/24/09 23:46	
Chloromethane	ug/L	ND	5.0	06/24/09 23:46	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/24/09 23:46	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/24/09 23:46	
Cyclohexane	ug/L	ND	100	06/24/09 23:46	
Dibromochloromethane	ug/L	ND	5.0	06/24/09 23:46	
Dichlorodifluoromethane	ug/L	ND	5.0	06/24/09 23:46	
Ethylbenzene	ug/L	ND	5.0	06/24/09 23:46	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/24/09 23:46	
Methyl acetate	ug/L	ND	50.0	06/24/09 23:46	
Methyl-tert-butyl ether	ug/L	ND	4.0	06/24/09 23:46	
Methylcyclohexane	ug/L	ND	50.0	06/24/09 23:46	
Methylene chloride	ug/L	ND	5.0	06/24/09 23:46	
Styrene	ug/L	ND	5.0	06/24/09 23:46	
Tetrachloroethene	ug/L	ND	5.0	06/24/09 23:46	
Toluene	ug/L	ND	5.0	06/24/09 23:46	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/24/09 23:46	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

METHOD BLANK: 314663 Matrix: Water

Associated Lab Samples: 5027338001, 5027338002, 5027338003, 5027338004, 5027338005, 5027338006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/24/09 23:46	
Trichloroethene	ug/L	ND	5.0	06/24/09 23:46	
Trichlorofluoromethane	ug/L	ND	5.0	06/24/09 23:46	
Vinyl chloride	ug/L	ND	2.0	06/24/09 23:46	
Xylene (Total)	ug/L	ND	10.0	06/24/09 23:46	
4-Bromofluorobenzene (S)	%	92	70-126	06/24/09 23:46	
Dibromofluoromethane (S)	%	103	80-123	06/24/09 23:46	
Toluene-d8 (S)	%	98	80-116	06/24/09 23:46	

LABORATORY CONTROL SAMPLE: 314664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.3	101	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.4	95	69-131	
1,1,2-Trichloroethane	ug/L	50	53.0	106	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	54.6	109	70-130	
1,1-Dichloroethane	ug/L	50	46.7	93	67-133	
1,1-Dichloroethene	ug/L	50	50.8	102	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.0	96	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.3	99	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	51.2	102	75-126	
1,2-Dichlorobenzene	ug/L	50	50.9	102	76-124	
1,2-Dichloroethane	ug/L	50	54.6	109	69-139	
1,2-Dichloropropane	ug/L	50	49.1	98	76-129	
1,3-Dichlorobenzene	ug/L	50	52.6	105	76-125	
1,4-Dichlorobenzene	ug/L	50	52.1	104	75-122	
2-Butanone (MEK)	ug/L	250	233	93	47-189	
2-Hexanone	ug/L	250	250	100	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	241	96	61-135	
Acetone	ug/L	250	243	97	30-170	
Benzene	ug/L	50	47.3	95	78-127	
Bromodichloromethane	ug/L	50	48.3	97	69-133	
Bromoform	ug/L	50	48.0	96	60-127	
Bromomethane	ug/L	50	53.7	107	30-170	
Carbon disulfide	ug/L	100	93.8	94	58-152	
Carbon tetrachloride	ug/L	50	50.8	102	62-143	
Chlorobenzene	ug/L	50	49.2	98	75-123	
Chloroethane	ug/L	50	49.9	100	56-153	
Chloroform	ug/L	50	52.8	106	74-131	
Chloromethane	ug/L	50	42.6	85	35-147	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	74-128	
cis-1,3-Dichloropropene	ug/L	50	45.7	91	58-123	
Cyclohexane	ug/L	50	46J	92	63-134	
Dibromochloromethane	ug/L	50	57.1	114	66-131	
Dichlorodifluoromethane	ug/L	50	42.0	84	30-170	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

LABORATORY CONTROL SAMPLE: 314664

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	52.0	104	81-126	
Isopropylbenzene (Cumene)	ug/L	50	50.2	100	80-130	
Methyl acetate	ug/L	50	66.4	133	30-170	
Methyl-tert-butyl ether	ug/L	100	101	101	66-147	
Methylcyclohexane	ug/L	50	ND	83	65-135	
Methylene chloride	ug/L	50	45.4	91	32-164	
Styrene	ug/L	50	49.9	100	74-128	
Tetrachloroethene	ug/L	50	52.2	104	60-119	
Toluene	ug/L	50	50.4	101	75-129	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	71-126	
trans-1,3-Dichloropropene	ug/L	50	40.6	81	54-123	
Trichloroethene	ug/L	50	53.0	106	74-130	
Trichlorofluoromethane	ug/L	50	42.7	85	62-150	
Vinyl chloride	ug/L	50	45.2	90	55-141	
Xylene (Total)	ug/L	150	156	104	76-132	
4-Bromofluorobenzene (S)	%			92	70-126	
Dibromofluoromethane (S)	%			100	80-123	
Toluene-d8 (S)	%			94	80-116	

MATRIX SPIKE SAMPLE: 314665

Parameter	Units	5027338001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	53.6	107	64-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	46.4	93	64-142	
1,1,2-Trichloroethane	ug/L	ND	50	50.7	101	71-143	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	61.6	123	70-130	
1,1-Dichloroethane	ug/L	ND	50	47.8	96	68-139	
1,1-Dichloroethene	ug/L	ND	50	54.6	109	55-140	
1,2,4-Trichlorobenzene	ug/L	ND	50	42.9	86	28-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	43.6	87	39-140	
1,2-Dibromoethane (EDB)	ug/L	ND	50	48.3	97	67-134	
1,2-Dichlorobenzene	ug/L	ND	50	48.5	97	48-137	
1,2-Dichloroethane	ug/L	ND	50	53.0	106	63-148	
1,2-Dichloropropane	ug/L	ND	50	47.5	95	70-136	
1,3-Dichlorobenzene	ug/L	ND	50	50.8	102	40-143	
1,4-Dichlorobenzene	ug/L	ND	50	49.8	100	38-142	
2-Butanone (MEK)	ug/L	ND	250	209	83	62-132	
2-Hexanone	ug/L	ND	250	227	91	61-141	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	222	89	57-135	
Acetone	ug/L	ND	250	221	88	30-170	
Benzene	ug/L	ND	50	47.4	95	63-141	
Bromodichloromethane	ug/L	ND	50	46.0	92	63-135	
Bromoform	ug/L	ND	50	43.7	87	58-124	
Bromomethane	ug/L	ND	50	47.3	95	30-170	
Carbon disulfide	ug/L	ND	100	103	103	46-162	
Carbon tetrachloride	ug/L	ND	50	54.3	109	54-145	
Chlorobenzene	ug/L	ND	50	47.8	96	56-133	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

MATRIX SPIKE SAMPLE: 314665

Parameter	Units	5027338001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	ND	50	58.0	116	54-157	
Chloroform	ug/L	ND	50	52.6	105	67-134	
Chloromethane	ug/L	ND	50	41.7	83	36-137	
cis-1,2-Dichloroethene	ug/L	ND	50	54.3	109	65-132	
cis-1,3-Dichloropropene	ug/L	ND	50	44.6	89	46-121	
Cyclohexane	ug/L	ND	50	49.3J	99	39-167	
Dibromochloromethane	ug/L	ND	50	52.9	106	64-124	
Dichlorodifluoromethane	ug/L	ND	50	43.7	87	30-163	
Ethylbenzene	ug/L	ND	50	51.3	103	44-151	
Isopropylbenzene (Cumene)	ug/L	ND	50	51.2	101	40-148	
Methyl acetate	ug/L	ND	50	ND	93	40-182	
Methyl-tert-butyl ether	ug/L	ND	100	97.8	98	52-156	
Methylcyclohexane	ug/L	ND	50	ND	88	44-158	
Methylene chloride	ug/L	ND	50	44.8	90	46-154	
Styrene	ug/L	ND	50	46.8	94	38-141	
Tetrachloroethene	ug/L	ND	50	51.3	103	25-146	
Toluene	ug/L	ND	50	49.4	99	59-142	
trans-1,2-Dichloroethene	ug/L	ND	50	54.6	109	60-137	
trans-1,3-Dichloropropene	ug/L	ND	50	39.0	78	43-117	
Trichloroethene	ug/L	ND	50	52.6	105	61-137	
Trichlorofluoromethane	ug/L	ND	50	47.4	95	53-162	
Vinyl chloride	ug/L	ND	50	48.1	96	51-144	
Xylene (Total)	ug/L	ND	150	152	101	44-152	
4-Bromofluorobenzene (S)	%				92	70-126	
Dibromofluoromethane (S)	%				102	80-123	
Toluene-d8 (S)	%				93	80-116	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

QC Batch: MSV/16994 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5027338007, 5027338008, 5027338009, 5027338010, 5027338011, 5027338012

METHOD BLANK: 315232 Matrix: Water
Associated Lab Samples: 5027338007, 5027338008, 5027338009, 5027338010, 5027338011, 5027338012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1-Dichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,1-Dichloroethene	ug/L	ND	5.0	06/25/09 10:38	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dichloroethane	ug/L	ND	5.0	06/25/09 10:38	
1,2-Dichloropropane	ug/L	ND	5.0	06/25/09 10:38	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
2-Butanone (MEK)	ug/L	ND	25.0	06/25/09 10:38	
2-Hexanone	ug/L	ND	25.0	06/25/09 10:38	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/25/09 10:38	
Acetone	ug/L	ND	100	06/25/09 10:38	
Benzene	ug/L	ND	5.0	06/25/09 10:38	
Bromodichloromethane	ug/L	ND	5.0	06/25/09 10:38	
Bromoform	ug/L	ND	5.0	06/25/09 10:38	
Bromomethane	ug/L	ND	5.0	06/25/09 10:38	
Carbon disulfide	ug/L	ND	10.0	06/25/09 10:38	
Carbon tetrachloride	ug/L	ND	5.0	06/25/09 10:38	
Chlorobenzene	ug/L	ND	5.0	06/25/09 10:38	
Chloroethane	ug/L	ND	5.0	06/25/09 10:38	
Chloroform	ug/L	ND	5.0	06/25/09 10:38	
Chloromethane	ug/L	ND	5.0	06/25/09 10:38	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 10:38	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 10:38	
Cyclohexane	ug/L	ND	100	06/25/09 10:38	
Dibromochloromethane	ug/L	ND	5.0	06/25/09 10:38	
Dichlorodifluoromethane	ug/L	ND	5.0	06/25/09 10:38	
Ethylbenzene	ug/L	ND	5.0	06/25/09 10:38	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/25/09 10:38	
Methyl acetate	ug/L	ND	50.0	06/25/09 10:38	
Methyl-tert-butyl ether	ug/L	ND	4.0	06/25/09 10:38	
Methylcyclohexane	ug/L	ND	50.0	06/25/09 10:38	
Methylene chloride	ug/L	ND	5.0	06/25/09 10:38	
Styrene	ug/L	ND	5.0	06/25/09 10:38	
Tetrachloroethene	ug/L	ND	5.0	06/25/09 10:38	
Toluene	ug/L	ND	5.0	06/25/09 10:38	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 10:38	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

METHOD BLANK: 315232 Matrix: Water

Associated Lab Samples: 5027338007, 5027338008, 5027338009, 5027338010, 5027338011, 5027338012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 10:38	
Trichloroethene	ug/L	ND	5.0	06/25/09 10:38	
Trichlorofluoromethane	ug/L	ND	5.0	06/25/09 10:38	
Vinyl chloride	ug/L	ND	2.0	06/25/09 10:38	
Xylene (Total)	ug/L	ND	10.0	06/25/09 10:38	
4-Bromofluorobenzene (S)	%	93	70-126	06/25/09 10:38	
Dibromofluoromethane (S)	%	102	80-123	06/25/09 10:38	
Toluene-d8 (S)	%	96	80-116	06/25/09 10:38	

LABORATORY CONTROL SAMPLE: 315233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.0	102	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.1	94	69-131	
1,1,2-Trichloroethane	ug/L	50	52.1	104	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	59.7	119	70-130	
1,1-Dichloroethane	ug/L	50	47.0	94	67-133	
1,1-Dichloroethene	ug/L	50	51.3	103	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.9	98	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	92	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.5	101	75-126	
1,2-Dichlorobenzene	ug/L	50	49.3	99	76-124	
1,2-Dichloroethane	ug/L	50	54.5	109	69-139	
1,2-Dichloropropane	ug/L	50	48.9	98	76-129	
1,3-Dichlorobenzene	ug/L	50	52.4	105	76-125	
1,4-Dichlorobenzene	ug/L	50	51.2	102	75-122	
2-Butanone (MEK)	ug/L	250	235	94	47-189	
2-Hexanone	ug/L	250	243	97	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	233	93	61-135	
Acetone	ug/L	250	246	99	30-170	
Benzene	ug/L	50	47.1	94	78-127	
Bromodichloromethane	ug/L	50	47.5	95	69-133	
Bromoform	ug/L	50	46.5	93	60-127	
Bromomethane	ug/L	50	64.8	130	30-170	
Carbon disulfide	ug/L	100	98.8	99	58-152	
Carbon tetrachloride	ug/L	50	52.2	104	62-143	
Chlorobenzene	ug/L	50	47.5	95	75-123	
Chloroethane	ug/L	50	55.3	111	56-153	
Chloroform	ug/L	50	53.9	108	74-131	
Chloromethane	ug/L	50	39.6	79	35-147	
cis-1,2-Dichloroethene	ug/L	50	53.8	108	74-128	
cis-1,3-Dichloropropene	ug/L	50	48.4	97	58-123	
Cyclohexane	ug/L	50	47.1J	94	63-134	
Dibromochloromethane	ug/L	50	54.0	108	66-131	
Dichlorodifluoromethane	ug/L	50	52.1	104	30-170	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

LABORATORY CONTROL SAMPLE: 315233

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	50.7	101	81-126	
Isopropylbenzene (Cumene)	ug/L	50	49.0	98	80-130	
Methyl acetate	ug/L	50	66.2	132	30-170	
Methyl-tert-butyl ether	ug/L	100	101	101	66-147	
Methylcyclohexane	ug/L	50	ND	90	65-135	
Methylene chloride	ug/L	50	51.2	102	32-164	
Styrene	ug/L	50	48.6	97	74-128	
Tetrachloroethene	ug/L	50	51.5	103	60-119	
Toluene	ug/L	50	48.5	97	75-129	
trans-1,2-Dichloroethene	ug/L	50	53.5	107	71-126	
trans-1,3-Dichloropropene	ug/L	50	43.9	88	54-123	
Trichloroethene	ug/L	50	52.6	105	74-130	
Trichlorofluoromethane	ug/L	50	44.3	89	62-150	
Vinyl chloride	ug/L	50	47.8	96	55-141	
Xylene (Total)	ug/L	150	152	102	76-132	
4-Bromofluorobenzene (S)	%			90	70-126	
Dibromofluoromethane (S)	%			101	80-123	
Toluene-d8 (S)	%			91	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315234 315235

Parameter	Units	5027372006 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	50.7	46.7	101	93	64-143	8	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.1	43.0	92	86	64-142	7	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	49.3	45.8	99	92	71-143	7	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	58.8	54.3	118	109	70-130	8	20	
1,1-Dichloroethane	ug/L	ND	50	50	44.3	41.4	89	83	68-139	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.2	46.3	102	93	55-140	10	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	43.6	41.3	87	83	28-140	5	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	49.8	45.9	100	92	39-140	8	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	49.4	44.9	99	90	67-134	10	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	44.7	42.3	89	85	48-137	6	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.6	47.4	101	95	63-148	6	20	
1,2-Dichloropropane	ug/L	ND	50	50	46.1	42.3	92	85	70-136	9	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	48.4	45.8	97	92	40-143	6	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.1	44.4	94	89	38-142	6	20	
2-Butanone (MEK)	ug/L	ND	250	250	250	227	100	91	62-132	10	20	
2-Hexanone	ug/L	ND	250	250	267	247	107	99	61-141	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	250	231	100	92	57-135	8	20	
Acetone	ug/L	ND	250	250	248	228	99	91	30-170	9	20	
Benzene	ug/L	ND	50	50	45.9	42.6	92	85	63-141	8	20	
Bromodichloromethane	ug/L	ND	50	50	44.9	41.3	90	83	63-135	8	20	
Bromoform	ug/L	ND	50	50	44.3	40.7	89	81	58-124	8	20	
Bromomethane	ug/L	ND	50	50	41.9	41.1	84	82	30-170	2	20	
Carbon disulfide	ug/L	ND	100	100	98.4	91.4	98	91	46-162	7	20	
Carbon tetrachloride	ug/L	ND	50	50	51.4	48.1	103	96	54-145	7	20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 315234 315235

Parameter	Units	5027372006 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	46.8	43.5	94	87	56-133	7	20	
Chloroethane	ug/L	ND	50	50	48.8	44.6	98	89	54-157	9	20	
Chloroform	ug/L	ND	50	50	52.0	47.3	104	95	67-134	9	20	
Chloromethane	ug/L	ND	50	50	36.0	35.5	72	71	36-137	1	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	52.1	48.2	102	94	65-132	8	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	46.2	41.9	92	84	46-121	10	20	
Cyclohexane	ug/L	ND	50	50	47J	44.2J	94	88	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	50.9	47.1	102	94	64-124	8	20	
Dichlorodifluoromethane	ug/L	ND	50	50	51.1	47.4	102	95	30-163	8	20	
Ethylbenzene	ug/L	ND	50	50	50.6	46.5	101	92	44-151	9	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	49.1	45.7	98	91	40-148	7	20	
Methyl acetate	ug/L	ND	50	50	65.7	58.2	131	116	40-182	12	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	95.7	89.7	96	90	52-156	6	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	89	84	44-158		20	
Methylene chloride	ug/L	ND	50	50	42.6	40.1	85	80	46-154	6	20	
Styrene	ug/L	ND	50	50	46.9	43.8	94	88	38-141	7	20	
Tetrachloroethene	ug/L	ND	50	50	53.2	48.9	103	94	25-146	8	20	
Toluene	ug/L	ND	50	50	47.5	43.8	95	88	59-142	8	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.3	49.9	105	100	60-137	5	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	40.3	37.5	81	75	43-117	7	20	
Trichloroethene	ug/L	ND	50	50	51.4	47.2	103	94	61-137	8	20	
Trichlorofluoromethane	ug/L	ND	50	50	42.4	39.1	85	78	53-162	8	20	
Vinyl chloride	ug/L	ND	50	50	47.1	43.3	94	87	51-144	8	20	
Xylene (Total)	ug/L	ND	150	150	151	139	101	93	44-152	8	20	
4-Bromofluorobenzene (S)	%						91	92	70-126		20	
Dibromofluoromethane (S)	%						103	103	80-123		20	
Toluene-d8 (S)	%						91	92	80-116		20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

QC Batch: MSV/16995 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5027338013

METHOD BLANK: 315239 | Matrix: Water
Associated Lab Samples: 5027338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1-Dichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,1-Dichloroethene	ug/L	ND	5.0	06/25/09 22:55	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dichloroethane	ug/L	ND	5.0	06/25/09 22:55	
1,2-Dichloropropane	ug/L	ND	5.0	06/25/09 22:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
2-Butanone (MEK)	ug/L	ND	25.0	06/25/09 22:55	
2-Hexanone	ug/L	ND	25.0	06/25/09 22:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	06/25/09 22:55	
Acetone	ug/L	ND	100	06/25/09 22:55	
Benzene	ug/L	ND	5.0	06/25/09 22:55	
Bromodichloromethane	ug/L	ND	5.0	06/25/09 22:55	
Bromoform	ug/L	ND	5.0	06/25/09 22:55	
Bromomethane	ug/L	ND	5.0	06/25/09 22:55	
Carbon disulfide	ug/L	ND	10.0	06/25/09 22:55	
Carbon tetrachloride	ug/L	ND	5.0	06/25/09 22:55	
Chlorobenzene	ug/L	ND	5.0	06/25/09 22:55	
Chloroethane	ug/L	ND	5.0	06/25/09 22:55	
Chloroform	ug/L	ND	5.0	06/25/09 22:55	
Chloromethane	ug/L	ND	5.0	06/25/09 22:55	
cis-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 22:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 22:55	
Cyclohexane	ug/L	ND	100	06/25/09 22:55	
Dibromochloromethane	ug/L	ND	5.0	06/25/09 22:55	
Dichlorodifluoromethane	ug/L	ND	5.0	06/25/09 22:55	
Ethylbenzene	ug/L	ND	5.0	06/25/09 22:55	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	06/25/09 22:55	
Methyl acetate	ug/L	ND	50.0	06/25/09 22:55	
Methyl-tert-butyl ether	ug/L	ND	4.0	06/25/09 22:55	
Methylcyclohexane	ug/L	ND	50.0	06/25/09 22:55	
Methylene chloride	ug/L	ND	5.0	06/25/09 22:55	
Styrene	ug/L	ND	5.0	06/25/09 22:55	
Tetrachloroethene	ug/L	ND	5.0	06/25/09 22:55	
Toluene	ug/L	ND	5.0	06/25/09 22:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/25/09 22:55	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

METHOD BLANK: 315239 Matrix: Water

Associated Lab Samples: 5027338013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/25/09 22:55	
Trichlorofluoromethane	ug/L	ND	5.0	06/25/09 22:55	
Vinyl chloride	ug/L	ND	2.0	06/25/09 22:55	
Xylene (Total)	ug/L	ND	10.0	06/25/09 22:55	
4-Bromofluorobenzene (S)	%	92	70-126	06/25/09 22:55	
Dibromofluoromethane (S)	%	104	80-123	06/25/09 22:55	
Toluene-d8 (S)	%	97	80-116	06/25/09 22:55	

LABORATORY CONTROL SAMPLE: 315240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.1	106	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	47.2	94	69-131	
1,1,2-Trichloroethane	ug/L	50	55.6	111	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	58.2	116	70-130	
1,1-Dichloroethane	ug/L	50	49.3	99	67-133	
1,1-Dichloroethene	ug/L	50	52.0	104	63-128	
1,2,4-Trichlorobenzene	ug/L	50	48.7	97	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.5	107	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	54.8	110	75-126	
1,2-Dichlorobenzene	ug/L	50	50.3	101	76-124	
1,2-Dichloroethane	ug/L	50	57.9	116	69-139	
1,2-Dichloropropane	ug/L	50	51.5	103	76-129	
1,3-Dichlorobenzene	ug/L	50	52.9	106	76-125	
1,4-Dichlorobenzene	ug/L	50	51.5	103	75-122	
2-Butanone (MEK)	ug/L	250	312	125	47-189	
2-Hexanone	ug/L	250	299	120	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	271	108	61-135	
Acetone	ug/L	250	385	154	30-170	
Benzene	ug/L	50	50.3	101	78-127	
Bromodichloromethane	ug/L	50	50.9	102	69-133	
Bromoform	ug/L	50	48.8	98	60-127	
Bromomethane	ug/L	50	57.3	115	30-170	
Carbon disulfide	ug/L	100	99.3	99	58-152	
Carbon tetrachloride	ug/L	50	54.6	109	62-143	
Chlorobenzene	ug/L	50	50.9	102	75-123	
Chloroethane	ug/L	50	53.8	108	56-153	
Chloroform	ug/L	50	56.2	112	74-131	
Chloromethane	ug/L	50	41.1	82	35-147	
cis-1,2-Dichloroethene	ug/L	50	55.9	112	74-128	
cis-1,3-Dichloropropene	ug/L	50	46.8	94	58-123	
Cyclohexane	ug/L	50	49.2J	98	63-134	
Dibromochloromethane	ug/L	50	58.2	116	66-131	
Dichlorodifluoromethane	ug/L	50	51.2	102	30-170	
Ethylbenzene	ug/L	50	53.7	107	81-126	

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(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

LABORATORY CONTROL SAMPLE: 315240

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	80-130	
Methyl acetate	ug/L	50	81.4	163	30-170	
Methyl-tert-butyl ether	ug/L	100	110	110	66-147	
Methylcyclohexane	ug/L	50	ND	89	65-135	
Methylene chloride	ug/L	50	53.2	106	32-164	
Styrene	ug/L	50	51.3	103	74-128	
Tetrachloroethene	ug/L	50	53.1	106	60-119	
Toluene	ug/L	50	50.5	101	75-129	
trans-1,2-Dichloroethene	ug/L	50	54.0	108	71-126	
trans-1,3-Dichloropropene	ug/L	50	42.9	86	54-123	
Trichlorofluoromethane	ug/L	50	42.9	86	62-150	
Vinyl chloride	ug/L	50	48.6	97	55-141	
Xylene (Total)	ug/L	150	160	107	76-132	
4-Bromofluorobenzene (S)	%			91	70-126	
Dibromofluoromethane (S)	%			105	80-123	
Toluene-d8 (S)	%			91	80-116	

MATRIX SPIKE SAMPLE: 315241

Parameter	Units	5027404007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	54.4	109	64-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	48.4	97	64-142	
1,1,2-Trichloroethane	ug/L	ND	50	52.4	105	71-143	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	61.7	123	70-130	
1,1-Dichloroethane	ug/L	ND	50	49.9	100	68-139	
1,1-Dichloroethene	ug/L	ND	50	52.9	106	55-140	
1,2,4-Trichlorobenzene	ug/L	ND	50	46.8	94	28-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	47.3	95	39-140	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50.2	100	67-134	
1,2-Dichlorobenzene	ug/L	10.4	50	58.8	97	48-137	
1,2-Dichloroethane	ug/L	ND	50	54.5	109	63-148	
1,2-Dichloropropane	ug/L	ND	50	51.1	102	70-136	
1,3-Dichlorobenzene	ug/L	ND	50	51.7	103	40-143	
1,4-Dichlorobenzene	ug/L	ND	50	51.0	102	38-142	
2-Butanone (MEK)	ug/L	54.0	250	284	92	62-132	
2-Hexanone	ug/L	ND	250	265	106	61-141	
4-Methyl-2-pentanone (MIBK)	ug/L	104	250	339	94	57-135	
Benzene	ug/L	ND	50	49.8	100	63-141	
Bromodichloromethane	ug/L	ND	50	47.1	94	63-135	
Bromoform	ug/L	ND	50	43.9	88	58-124	
Bromomethane	ug/L	ND	50	29.2	58	30-170	
Carbon disulfide	ug/L	ND	100	108	108	46-162	
Carbon tetrachloride	ug/L	ND	50	56.4	113	54-145	
Chlorobenzene	ug/L	ND	50	48.7	97	56-133	
Chloroethane	ug/L	ND	50	62.2	124	54-157	
Chloroform	ug/L	ND	50	55.7	111	67-134	
Chloromethane	ug/L	ND	50	41.4	83	36-137	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027338

MATRIX SPIKE SAMPLE: 315241

Parameter	Units	5027404007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/L	3.9	50	59.3	111	65-132	
cis-1,3-Dichloropropene	ug/L	ND	50	45.7	91	46-121	
Cyclohexane	ug/L	ND	50	51.7J	103	39-167	
Dibromochloromethane	ug/L	ND	50	53.0	106	64-124	
Dichlorodifluoromethane	ug/L	ND	50	49.8	100	30-163	
Ethylbenzene	ug/L	20.2	50	71.8	103	44-151	
Isopropylbenzene (Cumene)	ug/L	2.1	50	53.7	103	40-148	
Methyl acetate	ug/L	ND	50	122	244	40-182	M0
Methyl-tert-butyl ether	ug/L	ND	100	102	102	52-156	
Methylcyclohexane	ug/L	ND	50	ND	97	44-158	
Methylene chloride	ug/L	ND	50	46.5	92	46-154	
Styrene	ug/L	ND	50	47.5	95	38-141	
Tetrachloroethene	ug/L	5.9	50	58.3	105	25-146	
Toluene	ug/L	1.2	50	52.5	103	59-142	
trans-1,2-Dichloroethene	ug/L	6.7	50	62.6	112	60-137	
trans-1,3-Dichloropropene	ug/L	ND	50	39.5	79	43-117	
Trichlorofluoromethane	ug/L	ND	50	46.1	92	53-162	
Vinyl chloride	ug/L	24.5	50	70.9	93	51-144	
Xylene (Total)	ug/L	158	150	303	97	44-152	
4-Bromofluorobenzene (S)	%				91	70-126	
Dibromofluoromethane (S)	%				102	80-123	
Toluene-d8 (S)	%				92	80-116	

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QUALIFIERS

Project: ATD IN000473.0019
Pace Project No.: 5027338

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.

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.

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

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

ANALYTE QUALIFIERS

1d	Evaluated to 179 ug/L per MDL AMV 6-26-09
2d	Evaluated to 179 ug/L per MDL. AMV 6-27-09
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.
J	Analyte detected below reporting limit, therefore result is an estimate.
M0	Matrix spike recovery was outside laboratory control limits.

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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 # № 08778

SSOW Ref. Code: ~~E027018~~

E027020 per Sue 6/23/09

6027338

Required Client Information:

Company: arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473[illegible]9.00007
Phone: 317-231-6500	Project Name: ATD
Fax: x6514	Project Number: IN473.19.7
E-mail: emoosbrugger@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

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.	RW-0604-S3(061609)	EWINF	16Jun09	1530	3		3					3	001
2.	RW-0604-S2B(061609)			1532	3		3					3	002
3.	RW-0501-S3 (061609)			1534	3		3					3	003
4.	RW-0501-S2B (061609)			1536	3		3					3	004
5.	RW-0602-S3(061609)			1538	3		3					3	005
6.	RW-0602-S2B (061609)			1540	3		3					3	006
7.	RW-0502-S2B (061609)			1542	3		3					3	007
8.	RW-0603-S3 (061609)			[illegible]45	3		3					3	008
9.	RW-0605-S3(061609)			1600	3		3					3	009
10.	RW-0201-S2A (061609)			1602	3		3					3	010
11.	RW-0202-S2A (061609)			1604	3		3					3	011
12.	RW-0203-S2A (061609)			1606	3		3					3	012
13.	RW-0204-S2A/RW-0205-S[illegible] (061609)			1610	3		3					3	013
14.													
15.													
	TOTAL NUMBER OF CONTAINERS				39								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski [illegible]	17Jun09	0833	[illegible]	6/17/09	0833
AIRBILL NO.							

Sample Condition

Temp in °C	29
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski

Date: 17 Jun 09

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

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: AREADIS Project # 5027338

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other FOAM

Thermometer Used 1 2 3 4 5 6 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2-9C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: _____

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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☒N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☒N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☒N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 6/17/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Container Count

CLIENT: ARCADIS

COC PAGE 1 of 1

COC ID# 08778

Project # 507338

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H				Comments
1	3															
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																
* 13	1															

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	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 gl	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 gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	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 gla	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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July 01, 2009

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

RE: Project: ATD IN000473.0019
Pace Project No.: 5027336

Dear Ms. Scrocchi:

Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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: ATD IN000473.0019
Pace Project No.: 5027336

Indiana Certification IDs

Ohio VAP: CL0065
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: ATD IN000473.0019
Pace Project No.: 5027336

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5027336001	**BW-4(061609)**	Water	06/16/09 10:30	06/17/09 08:33
5027336002	**BW-11(061609)**	Water	06/16/09 10:32	06/17/09 08:33
5027336003	**BW-12(061609)**	Water	06/16/09 10:34	06/17/09 08:33
5027336004	**BW-5(061609)**	Water	06/16/09 12:00	06/17/09 08:33
5027336005	**BW-6(061609)**	Water	06/16/09 12:02	06/17/09 08:33
5027336006	**BW-7(061609)**	Water	06/16/09 12:04	06/17/09 08:33
5027336007	**BW-8(061609)**	Water	06/16/09 12:06	06/17/09 08:33
5027336008	**BW-9(061609)**	Water	06/16/09 12:08	06/17/09 08:33
5027336009	**BW-10(061609)**	Water	06/16/09 12:10	06/17/09 08:33
5027336010	**Outfall-003(061609)**	Water	06/16/09 14:10	06/17/09 08:33

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SAMPLE ANALYTE COUNT

Project: ATD IN000473.0019
Pace Project No.: 5027336

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5027336001	**BW-4(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336002	**BW-11(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336003	**BW-12(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336004	**BW-5(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336005	**BW-6(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336006	**BW-7(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336007	**BW-8(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336008	**BW-9(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336009	**BW-10(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336010	**Outfall-003(061609)**	EPA 624	AMV	36	PASI-I
		EPA 625	BET	58	PASI-C

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-4(061609) **Lab ID: 5027336001** Collected: 06/16/09 10:30 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**12.0**	mg/L	0.39	5	06/18/09 14:25	06/19/09 14:10		
n-Pentacosane (S)	146	%	40-156	5	06/18/09 14:25	06/19/09 14:10	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-11(061609) **Lab ID: 5027336002** Collected: 06/16/09 10:32 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**10.7**	mg/L	0.39	5	06/18/09 14:25	06/19/09 14:17		
n-Pentacosane (S)	106	%	40-156	5	06/18/09 14:25	06/19/09 14:17	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-12(061609) **Lab ID: 5027336003** Collected: 06/16/09 10:34 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**80.6**	mg/L	2.0	25	06/18/09 14:25	06/19/09 14:24		
n-Pentacosane (S)	0	%	40-156	25	06/18/09 14:25	06/19/09 14:24	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-5(061609) **Lab ID: 5027336004** Collected: 06/16/09 12:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**59.9**	mg/L	1.9	25	06/18/09 14:25	06/19/09 14:31		
n-Pentacosane (S)	0	%	40-156	25	06/18/09 14:25	06/19/09 14:31	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-6(061609) **Lab ID: 5027336005** Collected: 06/16/09 12:02 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**10.2**	mg/L	0.078	1	06/18/09 14:25	06/19/09 00:11		
n-Pentacosane (S)	125	%	40-156	1	06/18/09 14:25	06/19/09 00:11	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-7(061609) **Lab ID: 5027336006** Collected: 06/16/09 12:04 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**1400**	mg/L	37.5	250	06/18/09 14:25	06/19/09 14:38		
n-Pentacosane (S)	0	%	40-156	250	06/18/09 14:25	06/19/09 14:38	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-8(061609) **Lab ID: 5027336007** Collected: 06/16/09 12:06 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**98.7**	mg/L	3.8	50	06/18/09 14:25	06/19/09 14:45		
n-Pentacosane (S)	0	%	40-156	50	06/18/09 14:25	06/19/09 14:45	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-9(061609) **Lab ID: 5027336008** Collected: 06/16/09 12:08 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**1.6**	mg/L	0.083	1	06/19/09 13:55	06/19/09 16:41		
n-Pentacosane (S)	85	%	40-156	1	06/19/09 13:55	06/19/09 16:41	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-10(061609) **Lab ID: 5027336009** Collected: 06/16/09 12:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**2.1**	mg/L	0.077	1	06/19/09 13:55	06/19/09 16:48		
n-Pentacosane (S)	85	%	40-156	1	06/19/09 13:55	06/19/09 16:48	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: Outfall-003(061609) **Lab ID: 5027336010** Collected: 06/16/09 14:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Acenaphthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	83-32-9	
Acenaphthylene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	208-96-8	
Anthracene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	91-58-7	
2-Chlorophenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	7005-72-3	
Chrysene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	120-83-2	
Diethylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	84-66-2	
2,4-Dimethylphenol	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	105-67-9	
Dimethylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	23.5	1	06/23/09 11:00	06/30/09 04:34	534-52-1	
2,4-Dinitrophenol	ND	ug/L	58.8	1	06/23/09 11:00	06/30/09 04:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	117-81-7	
Fluoranthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	206-44-0	
Fluorene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	87-68-3	
Hexachlorobenzene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	77-47-4	
Hexachloroethane	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	193-39-5	
Isophorone	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	78-59-1	
Naphthalene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	91-20-3	
Nitrobenzene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	98-95-3	
2-Nitrophenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	88-75-5	
4-Nitrophenol	ND	ug/L	58.8	1	06/23/09 11:00	06/30/09 04:34	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	86-30-6	
Pentachlorophenol	ND	ug/L	29.4	1	06/23/09 11:00	06/30/09 04:34	87-86-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: Outfall-003(061609) **Lab ID: 5027336010** Collected: 06/16/09 14:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Phenanthrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	85-01-8	
Phenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	108-95-2	
Pyrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	88-06-2	
Nitrobenzene-d5 (S)	65	%	10-120	1	06/23/09 11:00	06/30/09 04:34	4165-60-0	
2-Fluorobiphenyl (S)	80	%	15-120	1	06/23/09 11:00	06/30/09 04:34	321-60-8	
Terphenyl-d14 (S)	90	%	11-131	1	06/23/09 11:00	06/30/09 04:34	1718-51-0	
Phenol-d6 (S)	31	%	10-120	1	06/23/09 11:00	06/30/09 04:34	13127-88-3	
2-Fluorophenol (S)	44	%	10-120	1	06/23/09 11:00	06/30/09 04:34	367-12-4	
2,4,6-Tribromophenol (S)	89	%	10-137	1	06/23/09 11:00	06/30/09 04:34	118-79-6	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		06/27/09 14:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/27/09 14:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/27/09 14:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/27/09 14:38	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		06/27/09 14:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/27/09 14:38	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		06/27/09 14:38	110-75-8	
Chloroform	ND	ug/L	5.0	1		06/27/09 14:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/27/09 14:38	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/27/09 14:38	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/27/09 14:38	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/27/09 14:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/27/09 14:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 14:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 14:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/27/09 14:38	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		06/27/09 14:38	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		06/27/09 14:38	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/27/09 14:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/27/09 14:38	127-18-4	
Toluene	ND	ug/L	5.0	1		06/27/09 14:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/27/09 14:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/27/09 14:38	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		06/27/09 14:38	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		06/27/09 14:38	1330-20-7	
Dibromofluoromethane (S)	104	%	88-119	1		06/27/09 14:38	1868-53-7	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: Outfall-003(061609) **Lab ID: 5027336010** Collected: 06/16/09 14:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
4-Bromofluorobenzene (S)	94	%	82-116	1		06/27/09 14:38	460-00-4	
Toluene-d8 (S)	97	%	86-112	1		06/27/09 14:38	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: MSSV/7179 | Analysis Method: EPA 625
QC Batch Method: EPA 625 | Analysis Description: 625 MSS
Associated Lab Samples: 5027336010

METHOD BLANK: 298349 | Matrix: Water
Associated Lab Samples: 5027336010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/29/09 15:39	
2,4,6-Trichlorophenol	ug/L	ND	10.0	06/29/09 15:39	
2,4-Dichlorophenol	ug/L	ND	5.0	06/29/09 15:39	
2,4-Dimethylphenol	ug/L	ND	10.0	06/29/09 15:39	
2,4-Dinitrophenol	ug/L	ND	50.0	06/29/09 15:39	
2,4-Dinitrotoluene	ug/L	ND	5.0	06/29/09 15:39	
2,6-Dinitrotoluene	ug/L	ND	5.0	06/29/09 15:39	
2-Chloronaphthalene	ug/L	ND	5.0	06/29/09 15:39	
2-Chlorophenol	ug/L	ND	5.0	06/29/09 15:39	
2-Nitrophenol	ug/L	ND	5.0	06/29/09 15:39	
3,3'-Dichlorobenzidine	ug/L	ND	5.0	06/29/09 15:39	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	06/29/09 15:39	
4-Bromophenylphenyl ether	ug/L	ND	5.0	06/29/09 15:39	
4-Chloro-3-methylphenol	ug/L	ND	5.0	06/29/09 15:39	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	06/29/09 15:39	
4-Nitrophenol	ug/L	ND	50.0	06/29/09 15:39	
Acenaphthene	ug/L	ND	5.0	06/29/09 15:39	
Acenaphthylene	ug/L	ND	5.0	06/29/09 15:39	
Anthracene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(a)anthracene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(a)pyrene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(b)fluoranthene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(g,h,i)perylene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(k)fluoranthene	ug/L	ND	5.0	06/29/09 15:39	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	06/29/09 15:39	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	06/29/09 15:39	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	06/29/09 15:39	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	06/29/09 15:39	
Butylbenzylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Chrysene	ug/L	ND	5.0	06/29/09 15:39	
Di-n-butylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Di-n-octylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Dibenz(a,h)anthracene	ug/L	ND	5.0	06/29/09 15:39	
Diethylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Dimethylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Fluoranthene	ug/L	ND	5.0	06/29/09 15:39	
Fluorene	ug/L	ND	5.0	06/29/09 15:39	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	06/29/09 15:39	
Hexachlorobenzene	ug/L	ND	5.0	06/29/09 15:39	
Hexachlorocyclopentadiene	ug/L	ND	10.0	06/29/09 15:39	
Hexachloroethane	ug/L	ND	5.0	06/29/09 15:39	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	06/29/09 15:39	
Isophorone	ug/L	ND	10.0	06/29/09 15:39	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

METHOD BLANK: 298349 Matrix: Water

Associated Lab Samples: 5027336010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	06/29/09 15:39	
N-Nitrosodimethylamine	ug/L	ND	5.0	06/29/09 15:39	
N-Nitrosodiphenylamine	ug/L	ND	10.0	06/29/09 15:39	
Naphthalene	ug/L	ND	5.0	06/29/09 15:39	
Nitrobenzene	ug/L	ND	5.0	06/29/09 15:39	
Pentachlorophenol	ug/L	ND	25.0	06/29/09 15:39	
Phenanthrene	ug/L	ND	5.0	06/29/09 15:39	
Phenol	ug/L	ND	5.0	06/29/09 15:39	
Pyrene	ug/L	ND	5.0	06/29/09 15:39	
2,4,6-Tribromophenol (S)	%	80	10-137	06/29/09 15:39	
2-Fluorobiphenyl (S)	%	72	15-120	06/29/09 15:39	
2-Fluorophenol (S)	%	38	10-120	06/29/09 15:39	
Nitrobenzene-d5 (S)	%	66	10-120	06/29/09 15:39	
Phenol-d6 (S)	%	26	10-120	06/29/09 15:39	
Terphenyl-d14 (S)	%	71	11-131	06/29/09 15:39	

LABORATORY CONTROL SAMPLE: 298350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	30.3	61	44-142	
2,4,6-Trichlorophenol	ug/L	50	40.0	80	37-144	
2,4-Dichlorophenol	ug/L	50	34.0	68	1-191	
2,4-Dimethylphenol	ug/L	50	23.5	47	32-119	
2,4-Dinitrophenol	ug/L	50	38.7J	77	1-181	
2,4-Dinitrotoluene	ug/L	50	32.2	64	39-139	
2,6-Dinitrotoluene	ug/L	50	30.5	61	50-158	
2-Chloronaphthalene	ug/L	50	34.4	69	60-118	
2-Chlorophenol	ug/L	50	26.9	54	23-134	
2-Nitrophenol	ug/L	50	33.6	67	29-182	
3,3'-Dichlorobenzidine	ug/L	50	41.9	84	1-262	
4,6-Dinitro-2-methylphenol	ug/L	50	37.2	74	1-181	
4-Bromophenylphenyl ether	ug/L	50	40.5	81	53-127	
4-Chloro-3-methylphenol	ug/L	50	32.5	65	22-147	
4-Chlorophenylphenyl ether	ug/L	50	41.4	83	25-158	
4-Nitrophenol	ug/L	50	13J	26	1-132	
Acenaphthene	ug/L	50	36.6	73	47-145	
Acenaphthylene	ug/L	50	37.0	74	33-145	
Anthracene	ug/L	50	38.7	77	1-166	
Benzo(a)anthracene	ug/L	50	36.9	74	33-143	
Benzo(a)pyrene	ug/L	50	36.2	72	17-163	
Benzo(b)fluoranthene	ug/L	50	37.6	75	24-159	
Benzo(g,h,i)perylene	ug/L	50	22.4	45	1-219	
Benzo(k)fluoranthene	ug/L	50	28.7	57	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	35.5	71	33-184	
bis(2-Chloroethyl) ether	ug/L	50	31.1	62	12-158	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

LABORATORY CONTROL SAMPLE: 298350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	29.2	58	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	33.0	66	8-158	
Butylbenzylphthalate	ug/L	50	33.3	67	1-152	
Chrysene	ug/L	50	37.3	75	17-168	
Di-n-butylphthalate	ug/L	50	36.6	73	1-118	
Di-n-octylphthalate	ug/L	50	32.0	64	4-146	
Dibenz(a,h)anthracene	ug/L	50	23.7	47	1-227	
Diethylphthalate	ug/L	50	33.4	67	1-114	
Dimethylphthalate	ug/L	50	35.0	70	1-112	
Fluoranthene	ug/L	50	42.9	86	26-137	
Fluorene	ug/L	50	38.4	77	59-121	
Hexachloro-1,3-butadiene	ug/L	50	34.4	69	24-116	
Hexachlorobenzene	ug/L	50	43.1	86	1-152	
Hexachlorocyclopentadiene	ug/L	50	32.1	64	25-150	
Hexachloroethane	ug/L	50	24.7	49	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	25.0	50	1-171	
Isophorone	ug/L	50	34.1	68	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	32.2	64	1-230	
N-Nitrosodimethylamine	ug/L	50	19.2	38	25-150	
N-Nitrosodiphenylamine	ug/L	50	38.6	77	25-150	
Naphthalene	ug/L	50	32.3	65	21-133	
Nitrobenzene	ug/L	50	37.9	76	35-180	
Pentachlorophenol	ug/L	50	36.4	73	14-176	
Phenanthrene	ug/L	50	42.5	85	54-120	
Phenol	ug/L	50	13.3	27	5-112	
Pyrene	ug/L	50	37.2	74	52-115	
2,4,6-Tribromophenol (S)	%			75	10-137	
2-Fluorobiphenyl (S)	%			68	15-120	
2-Fluorophenol (S)	%			34	10-120	
Nitrobenzene-d5 (S)	%			61	10-120	
Phenol-d6 (S)	%			26	10-120	
Terphenyl-d14 (S)	%			70	11-131	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: OEXT/13469 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 8015 Mod Ext Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5027336001, 5027336002, 5027336003, 5027336004, 5027336005, 5027336006, 5027336007

METHOD BLANK: 311795 Matrix: Water
Associated Lab Samples: 5027336001, 5027336002, 5027336003, 5027336004, 5027336005, 5027336006, 5027336007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-ERO	mg/L	ND	0.075	06/18/09 21:28	
n-Pentacosane (S)	%	93	40-156	06/18/09 21:28	

LABORATORY CONTROL SAMPLE: 311796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-ERO	mg/L	2.5	1.8	73	42-136	
n-Pentacosane (S)	%			86	40-156	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 311848 311849

Parameter	Units	5027322005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-ERO	mg/L	0.13	5.2	5.1	4.8	4.1	90	79	40-146	15	20	
n-Pentacosane (S)	%						99	86	40-156		20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: OEXT/13481 | Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 8015 Mod Ext | Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5027336008, 5027336009

METHOD BLANK: 312307 | Matrix: Water
Associated Lab Samples: 5027336008, 5027336009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-ERO	mg/L	ND	0.075	06/19/09 16:28	
n-Pentacosane (S)	%	78	40-156	06/19/09 16:28	

LABORATORY CONTROL SAMPLE: 312308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-ERO	mg/L	2.5	1.5	61	42-136	
n-Pentacosane (S)	%			76	40-156	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 312309 312310

Parameter	Units	5027367008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-ERO	mg/L	ND	5.1	5.7	4.0	3.7	77	65	40-146	6	20	
n-Pentacosane (S)	%						87	78	40-156		20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: MSV/17040 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5027336010

METHOD BLANK: 315966 | Matrix: Water
Associated Lab Samples: 5027336010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloropropane	ug/L	ND	5.0	06/27/09 12:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
2-Chloroethylvinyl ether	ug/L	ND	50.0	06/27/09 12:55	
Benzene	ug/L	ND	5.0	06/27/09 12:55	
Bromodichloromethane	ug/L	ND	5.0	06/27/09 12:55	
Bromoform	ug/L	ND	5.0	06/27/09 12:55	
Bromomethane	ug/L	ND	5.0	06/27/09 12:55	
Carbon tetrachloride	ug/L	ND	5.0	06/27/09 12:55	
Chlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
Chloroethane	ug/L	ND	5.0	06/27/09 12:55	
Chloroform	ug/L	ND	5.0	06/27/09 12:55	
Chloromethane	ug/L	ND	5.0	06/27/09 12:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Dibromochloromethane	ug/L	ND	5.0	06/27/09 12:55	
Ethylbenzene	ug/L	ND	5.0	06/27/09 12:55	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/27/09 12:55	
Methylene chloride	ug/L	ND	5.0	06/27/09 12:55	
Tetrachloroethene	ug/L	ND	5.0	06/27/09 12:55	
Toluene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Trichloroethene	ug/L	ND	5.0	06/27/09 12:55	
Trichlorofluoromethane	ug/L	ND	5.0	06/27/09 12:55	
Vinyl chloride	ug/L	ND	2.0	06/27/09 12:55	
Xylene (Total)	ug/L	ND	10.0	06/27/09 12:55	
4-Bromofluorobenzene (S)	%	90	82-116	06/27/09 12:55	
Dibromofluoromethane (S)	%	102	88-119	06/27/09 12:55	
Toluene-d8 (S)	%	98	86-112	06/27/09 12:55	

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	68-135	
1,1,2-Trichloroethane	ug/L	20	21.9	110	73-143	
1,1-Dichloroethane	ug/L	20	21.0	105	68-131	
1,1-Dichloroethene	ug/L	20	23.4	117	79-129	
1,2-Dichlorobenzene	ug/L	20	21.2	106	74-132	
1,2-Dichloroethane	ug/L	20	23.9	120	72-144	
1,2-Dichloropropane	ug/L	20	21.3	106	77-131	
1,3-Dichlorobenzene	ug/L	20	22.2	111	73-130	
1,4-Dichlorobenzene	ug/L	20	21.5	107	69-128	
Benzene	ug/L	20	20.7	104	70-134	
Bromodichloromethane	ug/L	20	20.5	102	74-126	
Bromoform	ug/L	20	19.7	99	56-138	
Bromomethane	ug/L	20	33.2	166	28-152	L3
Carbon tetrachloride	ug/L	20	23.0	115	61-144	
Chlorobenzene	ug/L	20	21.0	105	72-126	
Chloroethane	ug/L	20	25.1	125	58-136	
Chloroform	ug/L	20	22.9	114	78-130	
Chloromethane	ug/L	20	21.3	107	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	47-130	
Dibromochloromethane	ug/L	20	22.0	110	71-129	
Ethylbenzene	ug/L	20	22.0	110	65-134	
Methyl-tert-butyl ether	ug/L	40	45.8	115	65-145	
Methylene chloride	ug/L	20	21.9	110	31-171	
Tetrachloroethene	ug/L	20	22.2	111	60-128	
Toluene	ug/L	20	21.2	106	72-132	
trans-1,2-Dichloroethene	ug/L	20	24.4	122	76-134	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	58-122	
Trichloroethene	ug/L	20	23.0	115	47-150	
Trichlorofluoromethane	ug/L	20	19.3	96	51-146	
Vinyl chloride	ug/L	20	22.0	110	67-129	
Xylene (Total)	ug/L	60	67.2	112	63-134	
4-Bromofluorobenzene (S)	%			90	82-116	
Dibromofluoromethane (S)	%			104	88-119	
Toluene-d8 (S)	%			94	86-112	

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	23.6	118	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.0	100	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	21.9	110	70-145	
1,1-Dichloroethane	ug/L	ND	20	21.4	107	55-143	
1,1-Dichloroethene	ug/L	ND	20	25.0	125	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	21.3	106	29-156	
1,2-Dichloroethane	ug/L	ND	20	22.2	111	69-145	
1,2-Dichloropropane	ug/L	ND	20	21.9	109	73-133	
1,3-Dichlorobenzene	ug/L	ND	20	22.3	111	40-149	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	20	21.5	108	38-146	
Benzene	ug/L	ND	20	21.1	105	54-144	
Bromodichloromethane	ug/L	ND	20	20.3	101	65-135	
Bromoform	ug/L	ND	20	19.2	96	47-140	
Bromomethane	ug/L	ND	20	24.1	121	40-160	
Carbon tetrachloride	ug/L	ND	20	23.7	118	50-159	
Chlorobenzene	ug/L	ND	20	21.1	106	29-154	
Chloroethane	ug/L	ND	20	33.0	165	33-176	
Chloroform	ug/L	ND	20	24.1	121	58-147	
Chloromethane	ug/L	ND	20	21.8	109	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	19.3	96	56-114	
Dibromochloromethane	ug/L	ND	20	21.9	110	59-137	
Ethylbenzene	ug/L	ND	20	22.8	114	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	45.7	114	60-158	
Methylene chloride	ug/L	ND	20	20.1	101	30-169	
Tetrachloroethene	ug/L	ND	20	22.4	112	21-156	
Toluene	ug/L	ND	20	22.0	110	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	25.2	126	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	17.4	87	54-117	
Trichloroethene	ug/L	ND	20	23.5	118	21-165	
Trichlorofluoromethane	ug/L	ND	20	20.1	100	42-168	
Vinyl chloride	ug/L	ND	20	23.8	119	60-144	
Xylene (Total)	ug/L	ND	60	68.9	115	30-163	
4-Bromofluorobenzene (S)	%				91	82-116	
Dibromofluoromethane (S)	%				104	88-119	
Toluene-d8 (S)	%				96	86-112	

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(317)875-5894

QUALIFIERS

Project: ATD IN000473.0019
Pace Project No.: 5027336

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

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.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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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 # № 08779

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN473.0019.00005
Phone: 317-231-6500	Project Name: ATP
Fax: x6514	Project Number: IN000473.0019
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

SSOW Ref. Code: ~~E027018~~ E027020 per Sue 6/23/09

5027336

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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	TPH ERO (8015)	TTO SVOC (625)	TTO VOC (624)	Remarks/Lab ID
1. BW-4 (061609)	~~EWINF~~ WG	16Jun09	1030	2	2						2			001
2. BW-11 (061609)			1032	2	2						2			002
3. BW-12 (061609)			1034	2	2						2			003
4. BW-5 (061609)			1200	2	2						2			004
5. BW-6 (061609)			1202	2	2						2			005
6. BW-7 (061609)			1204	2	2						2			006
7. BW-8 (061609)			1206	2	2						2			007
8. BW-9 (061609)			1208	2	2						2			008
9. BW-10 (061609)			1210	2	2						2			009
10. OUTFALL-003 (061609)	~~EWOUT~~ WG		1410	5	2	3						2	3	010
11.														
12.														
13.														
14.														
15.														
TOTAL NUMBER OF CONTAINERS				23										

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski / Arcadis	17Jun09	0833	M Shadle / Pace	6/17/09	0833
AIRBILL NO.							

Sample Condition

Temp in °C	1.3
Received on Ice	(Y) N
Sealed Cooler	Y / (N)
Samples Intact	(Y) N

Additional Comments:

WI Client def.

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert J Andrzejewski Date: 17Jun09

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 # 5027336

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 1 2 3 4 5 6 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.3°C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 6/17/09 E

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.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 6/17/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Container Count

Pace Analytical
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CLIENT: ARCADIS

COC PAGE 1 of 1
COC ID# 0877A

Project # 6027336

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

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	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 gl	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 gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	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 gla	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.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

April 21, 2009

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

RE: Project: AT-IN473.20.2
Pace Project No.: 5025183

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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SAMPLE SUMMARY

Project: AT-IN473.20.2
Pace Project No.: 5025183

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025183001	**MW-0636-S3 (040709)**	Solid	04/07/09 16:00	04/13/09 11:04
5025183003	**MW-0636-S3 (040709)**	Non Aqueous	04/07/09 16:00	04/13/09 11:04

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SAMPLE ANALYTE COUNT

Project: AT-IN473.20.2
Pace Project No.: 5025183

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5025183001	**MW-0636-S3 (040709)**	EPA 8260	ALA	51
		EPA 8270	KES	57
5025183003	**MW-0636-S3 (040709)**	EPA 8082	LKC	8

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ANALYTICAL RESULTS

Project: AT-IN473.20.2
Pace Project No.: 5025183

Sample: MW-0636-S3 (040709) **Lab ID: 5025183001** Collected: 04/07/09 16:00 Received: 04/13/09 11:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	83-32-9	
Acenaphthylene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	208-96-8	
Acetophenone	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	98-86-2	
Anthracene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	120-12-7	
Atrazine	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	1912-24-9	
Benzaldehyde	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	100-52-7	
Benzo(a)anthracene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	56-55-3	
Benzo(a)pyrene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	207-08-9	
Biphenyl (Diphenyl)	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	92-52-4	
4-Bromophenylphenyl ether	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	101-55-3	
Butylbenzylphthalate	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	85-68-7	
Caprolactam	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	105-60-2	
Carbazole	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	86-74-8	
4-Chloroaniline	ND	ug/kg	198000	1	04/15/09 11:25	04/15/09 15:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	111-44-4	
2-Chloronaphthalene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	91-58-7	
4-Chlorophenylphenyl ether	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	7005-72-3	
Chrysene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	53-70-3	
Dibenzofuran	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	198000	1	04/15/09 11:25	04/15/09 15:47	91-94-1	
Diethylphthalate	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	84-66-2	
Dimethylphthalate	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	131-11-3	
Di-n-butylphthalate	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	84-74-2	
2,4-Dinitrotoluene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	606-20-2	
Di-n-octylphthalate	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	117-84-0	
bis(2-Ethylhexyl)phthalate	**137000**	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	117-81-7	
Fluoranthene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	206-44-0	
Fluorene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	87-68-3	
Hexachlorobenzene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	77-47-4	
Hexachloroethane	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	193-39-5	
Isophorone	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	78-59-1	
2-Methylnaphthalene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	91-57-6	
Naphthalene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	91-20-3	
2-Nitroaniline	ND	ug/kg	480000	1	04/15/09 11:25	04/15/09 15:47	88-74-4	
3-Nitroaniline	ND	ug/kg	480000	1	04/15/09 11:25	04/15/09 15:47	99-09-2	
4-Nitroaniline	ND	ug/kg	480000	1	04/15/09 11:25	04/15/09 15:47	100-01-6	
Nitrobenzene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	98-95-3	

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ANALYTICAL RESULTS

Project: AT-IN473.20.2
Pace Project No.: 5025183

Sample: MW-0636-S3 (040709) **Lab ID: 5025183001** Collected: 04/07/09 16:00 Received: 04/13/09 11:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
N-Nitroso-di-n-propylamine	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	108-60-1	
Phenanthrene	ND	ug/kg	90000	1	04/15/09 11:25	04/15/09 15:47	85-01-8	
Pyrene	ND	ug/kg	99000	1	04/15/09 11:25	04/15/09 15:47	129-00-0	
Nitrobenzene-d5 (S)	0	%	26-115	1	04/15/09 11:25	04/15/09 15:47	4165-60-0	3d
2-Fluorobiphenyl (S)	0	%	38-110	1	04/15/09 11:25	04/15/09 15:47	321-60-8	3d
Terphenyl-d14 (S)	0	%	30-120	1	04/15/09 11:25	04/15/09 15:47	1718-51-0	3d
Phenol-d6 (S)	0	%	28-114	1	04/15/09 11:25	04/15/09 15:47	13127-88-3	3d
2-Fluorophenol (S)	0	%	30-107	1	04/15/09 11:25	04/15/09 15:47	367-12-4	3d
2,4,6-Tribromophenol (S)	0	%	25-118	1	04/15/09 11:25	04/15/09 15:47	118-79-6	3d
8260 MSV 5030 Low Level	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	10000	100		04/17/09 13:12	67-64-1	
Benzene	ND	ug/kg	500	100		04/17/09 13:12	71-43-2	
Bromodichloromethane	ND	ug/kg	500	100		04/17/09 13:12	75-27-4	
Bromoform	ND	ug/kg	500	100		04/17/09 13:12	75-25-2	
Bromomethane	ND	ug/kg	500	100		04/17/09 13:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	2500	100		04/17/09 13:12	78-93-3	
Carbon disulfide	ND	ug/kg	1000	100		04/17/09 13:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	500	100		04/17/09 13:12	56-23-5	
Chlorobenzene	ND	ug/kg	500	100		04/17/09 13:12	108-90-7	
Chloroethane	ND	ug/kg	500	100		04/17/09 13:12	75-00-3	
Chloroform	ND	ug/kg	500	100		04/17/09 13:12	67-66-3	
Chloromethane	ND	ug/kg	500	100		04/17/09 13:12	74-87-3	
Cyclohexane	ND	ug/kg	10000	100		04/17/09 13:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/kg	500	100		04/17/09 13:12	96-12-8	
Dibromochloromethane	ND	ug/kg	500	100		04/17/09 13:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	500	100		04/17/09 13:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/kg	500	100		04/17/09 13:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	500	100		04/17/09 13:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	500	100		04/17/09 13:12	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	500	100		04/17/09 13:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	500	100		04/17/09 13:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	500	100		04/17/09 13:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	500	100		04/17/09 13:12	75-35-4	
cis-1,2-Dichloroethene	**13400**	ug/kg	500	100		04/17/09 13:12	156-59-2	
trans-1,2-Dichloroethene	**219J**	ug/kg	500	100		04/17/09 13:12	156-60-5	J
1,2-Dichloropropane	ND	ug/kg	500	100		04/17/09 13:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/kg	500	100		04/17/09 13:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	500	100		04/17/09 13:12	10061-02-6	
Ethylbenzene	ND	ug/kg	500	100		04/17/09 13:12	100-41-4	
2-Hexanone	ND	ug/kg	10000	100		04/17/09 13:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	500	100		04/17/09 13:12	98-82-8	
Methyl acetate	ND	ug/kg	500	100		04/17/09 13:12	79-20-9	
Methylcyclohexane	ND	ug/kg	500	100		04/17/09 13:12	108-87-2	

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ANALYTICAL RESULTS

Project: AT-IN473.20.2
Pace Project No.: 5025183

Sample: MW-0636-S3 (040709) **Lab ID: 5025183001** Collected: 04/07/09 16:00 Received: 04/13/09 11:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 8260							
Methylene chloride	ND	ug/kg	2000	100		04/17/09 13:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	2500	100		04/17/09 13:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	500	100		04/17/09 13:12	1634-04-4	
Styrene	ND	ug/kg	500	100		04/17/09 13:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/kg	500	100		04/17/09 13:12	79-34-5	
Tetrachloroethene	**141000**	ug/kg	25000	5000		04/17/09 15:00	127-18-4	
Toluene	ND	ug/kg	500	100		04/17/09 13:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	500	100		04/17/09 13:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	500	100		04/17/09 13:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	500	100		04/17/09 13:12	79-00-5	
Trichloroethene	**5870**	ug/kg	500	100		04/17/09 13:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	500	100		04/17/09 13:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	500	100		04/17/09 13:12	76-13-1	
Vinyl chloride	ND	ug/kg	500	100		04/17/09 13:12	75-01-4	
Xylene (Total)	ND	ug/kg	1000	100		04/17/09 13:12	1330-20-7	
Dibromofluoromethane (S)	109	%	80-124	100		04/17/09 13:12	1868-53-7	1d,4d
Toluene-d8 (S)	97	%	58-145	100		04/17/09 13:12	2037-26-5	
4-Bromofluorobenzene (S)	84	%	61-131	100		04/17/09 13:12	460-00-4	

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ANALYTICAL RESULTS

Project: AT-IN473.20.2
Pace Project No.: 5025183

Sample: MW-0636-S3 (040709) **Lab ID: 5025183003** Collected: 04/07/09 16:00 Received: 04/13/09 11:04 Matrix: Non Aqueous Liquid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3580							
PCB-1016 (Aroclor 1016)	ND	mg/kg	50.0	50	04/15/09 09:01	04/17/09 10:18	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	100	50	04/15/09 09:01	04/17/09 10:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	50.0	50	04/15/09 09:01	04/17/09 10:18	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	50.0	50	04/15/09 09:01	04/17/09 10:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	50.0	50	04/15/09 09:01	04/17/09 10:18	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	50.0	50	04/15/09 09:01	04/17/09 10:18	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	50.0	50	04/15/09 09:01	04/17/09 10:18	11096-82-5	
Tetrachloro-m-xylene (S)	0	%	55-133	50	04/15/09 09:01	04/17/09 10:18	877-09-8	S4

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QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

QC Batch: OEXT/12541
QC Batch Method: EPA 3580
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Oil
Associated Lab Samples: 5025183003

METHOD BLANK: 286774
Matrix: Non Aqueous Liquid
Associated Lab Samples: 5025183003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	1.0	04/17/09 10:01	
PCB-1221 (Aroclor 1221)	mg/kg	ND	2.0	04/17/09 10:01	
PCB-1232 (Aroclor 1232)	mg/kg	ND	1.0	04/17/09 10:01	
PCB-1242 (Aroclor 1242)	mg/kg	ND	1.0	04/17/09 10:01	
PCB-1248 (Aroclor 1248)	mg/kg	ND	1.0	04/17/09 10:01	
PCB-1254 (Aroclor 1254)	mg/kg	ND	1.0	04/17/09 10:01	
PCB-1260 (Aroclor 1260)	mg/kg	ND	1.0	04/17/09 10:01	
Tetrachloro-m-xylene (S)	%	89	55-133	04/17/09 10:01	

LABORATORY CONTROL SAMPLE: 286775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	5	5.3	105	50-150	
PCB-1260 (Aroclor 1260)	mg/kg	5	5.6	112	50-150	
Tetrachloro-m-xylene (S)	%			98	55-133	

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QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

QC Batch: OEXT/12549
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid TCL MSSV
Associated Lab Samples: 5025183001

METHOD BLANK: 286971
Matrix: Solid
Associated Lab Samples: 5025183001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/kg	ND	9900	04/15/09 15:27	
2,4-Dinitrotoluene	ug/kg	ND	9900	04/15/09 15:27	
2,6-Dinitrotoluene	ug/kg	ND	9900	04/15/09 15:27	
2-Chloronaphthalene	ug/kg	ND	9900	04/15/09 15:27	
2-Methylnaphthalene	ug/kg	ND	9900	04/15/09 15:27	
2-Nitroaniline	ug/kg	ND	48000	04/15/09 15:27	
3,3'-Dichlorobenzidine	ug/kg	ND	19800	04/15/09 15:27	
3-Nitroaniline	ug/kg	ND	48000	04/15/09 15:27	
4-Bromophenylphenyl ether	ug/kg	ND	9900	04/15/09 15:27	
4-Chloroaniline	ug/kg	ND	19800	04/15/09 15:27	
4-Chlorophenylphenyl ether	ug/kg	ND	9900	04/15/09 15:27	
4-Nitroaniline	ug/kg	ND	48000	04/15/09 15:27	
Acenaphthene	ug/kg	ND	9900	04/15/09 15:27	
Acenaphthylene	ug/kg	ND	9900	04/15/09 15:27	
Acetophenone	ug/kg	ND	9900	04/15/09 15:27	
Anthracene	ug/kg	ND	9900	04/15/09 15:27	
Atrazine	ug/kg	ND	9900	04/15/09 15:27	
Benzaldehyde	ug/kg	ND	9900	04/15/09 15:27	
Benzo(a)anthracene	ug/kg	ND	9900	04/15/09 15:27	
Benzo(a)pyrene	ug/kg	ND	9900	04/15/09 15:27	
Benzo(b)fluoranthene	ug/kg	ND	9900	04/15/09 15:27	
Benzo(g,h,i)perylene	ug/kg	ND	9900	04/15/09 15:27	
Benzo(k)fluoranthene	ug/kg	ND	9900	04/15/09 15:27	
Biphenyl (Diphenyl)	ug/kg	ND	9900	04/15/09 15:27	
bis(2-Chloroethoxy)methane	ug/kg	ND	9900	04/15/09 15:27	
bis(2-Chloroethyl) ether	ug/kg	ND	9900	04/15/09 15:27	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	9900	04/15/09 15:27	
Butylbenzylphthalate	ug/kg	ND	9900	04/15/09 15:27	
Caprolactam	ug/kg	ND	9900	04/15/09 15:27	
Carbazole	ug/kg	ND	9900	04/15/09 15:27	
Chrysene	ug/kg	ND	9900	04/15/09 15:27	
Di-n-butylphthalate	ug/kg	ND	9900	04/15/09 15:27	
Di-n-octylphthalate	ug/kg	ND	9900	04/15/09 15:27	
Dibenz(a,h)anthracene	ug/kg	ND	9900	04/15/09 15:27	
Dibenzofuran	ug/kg	ND	9900	04/15/09 15:27	
Diethylphthalate	ug/kg	ND	9900	04/15/09 15:27	
Dimethylphthalate	ug/kg	ND	9900	04/15/09 15:27	
Fluoranthene	ug/kg	ND	9900	04/15/09 15:27	
Fluorene	ug/kg	ND	9900	04/15/09 15:27	
Hexachloro-1,3-butadiene	ug/kg	ND	9900	04/15/09 15:27	
Hexachlorobenzene	ug/kg	ND	9900	04/15/09 15:27	
Hexachlorocyclopentadiene	ug/kg	ND	9900	04/15/09 15:27	
Hexachloroethane	ug/kg	ND	9900	04/15/09 15:27	

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(317)875-5894

QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

METHOD BLANK: 286971 Matrix: Solid

Associated Lab Samples: 5025183001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/kg	ND	9900	04/15/09 15:27	
Isophorone	ug/kg	ND	9900	04/15/09 15:27	
N-Nitroso-di-n-propylamine	ug/kg	ND	9900	04/15/09 15:27	
N-Nitrosodiphenylamine	ug/kg	ND	9900	04/15/09 15:27	
Naphthalene	ug/kg	ND	9900	04/15/09 15:27	
Nitrobenzene	ug/kg	ND	9900	04/15/09 15:27	
Phenanthrene	ug/kg	ND	9000	04/15/09 15:27	
Pyrene	ug/kg	ND	9900	04/15/09 15:27	
2,4,6-Tribromophenol (S)	%	0	25-118	04/15/09 15:27	2d
2-Fluorobiphenyl (S)	%	0	38-110	04/15/09 15:27	2d
2-Fluorophenol (S)	%	0	30-107	04/15/09 15:27	2d
Nitrobenzene-d5 (S)	%	0	26-115	04/15/09 15:27	2d
Phenol-d6 (S)	%	0	28-114	04/15/09 15:27	2d
Terphenyl-d14 (S)	%	0	30-120	04/15/09 15:27	2d

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QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

QC Batch: MSV/15712 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV 5030 Low
Associated Lab Samples: 5025183001

METHOD BLANK: 288775 | Matrix: Solid
Associated Lab Samples: 5025183001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	ND	5.0	04/17/09 12:36	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	04/17/09 12:36	
1,1,2-Trichloroethane	ug/kg	ND	5.0	04/17/09 12:36	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	5.0	04/17/09 12:36	
1,1-Dichloroethane	ug/kg	ND	5.0	04/17/09 12:36	
1,1-Dichloroethene	ug/kg	ND	5.0	04/17/09 12:36	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	04/17/09 12:36	
1,2-Dibromo-3-chloropropane	ug/kg	ND	5.0	04/17/09 12:36	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	04/17/09 12:36	
1,2-Dichlorobenzene	ug/kg	ND	5.0	04/17/09 12:36	
1,2-Dichloroethane	ug/kg	ND	5.0	04/17/09 12:36	
1,2-Dichloropropane	ug/kg	ND	5.0	04/17/09 12:36	
1,3-Dichlorobenzene	ug/kg	ND	5.0	04/17/09 12:36	
1,4-Dichlorobenzene	ug/kg	ND	5.0	04/17/09 12:36	
2-Butanone (MEK)	ug/kg	ND	25.0	04/17/09 12:36	
2-Hexanone	ug/kg	ND	100	04/17/09 12:36	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	04/17/09 12:36	
Acetone	ug/kg	ND	100	04/17/09 12:36	
Benzene	ug/kg	ND	5.0	04/17/09 12:36	
Bromodichloromethane	ug/kg	ND	5.0	04/17/09 12:36	
Bromoform	ug/kg	ND	5.0	04/17/09 12:36	
Bromomethane	ug/kg	ND	5.0	04/17/09 12:36	
Carbon disulfide	ug/kg	ND	10.0	04/17/09 12:36	
Carbon tetrachloride	ug/kg	ND	5.0	04/17/09 12:36	
Chlorobenzene	ug/kg	ND	5.0	04/17/09 12:36	
Chloroethane	ug/kg	ND	5.0	04/17/09 12:36	
Chloroform	ug/kg	ND	5.0	04/17/09 12:36	
Chloromethane	ug/kg	ND	5.0	04/17/09 12:36	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	04/17/09 12:36	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	04/17/09 12:36	
Cyclohexane	ug/kg	ND	100	04/17/09 12:36	
Dibromochloromethane	ug/kg	ND	5.0	04/17/09 12:36	
Dichlorodifluoromethane	ug/kg	ND	5.0	04/17/09 12:36	
Ethylbenzene	ug/kg	ND	5.0	04/17/09 12:36	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	04/17/09 12:36	
Methyl acetate	ug/kg	ND	5.0	04/17/09 12:36	
Methyl-tert-butyl ether	ug/kg	ND	5.0	04/17/09 12:36	
Methylcyclohexane	ug/kg	ND	5.0	04/17/09 12:36	
Methylene chloride	ug/kg	ND	20.0	04/17/09 12:36	
Styrene	ug/kg	ND	5.0	04/17/09 12:36	
Tetrachloroethene	ug/kg	ND	5.0	04/17/09 12:36	
Toluene	ug/kg	ND	5.0	04/17/09 12:36	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	04/17/09 12:36	

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QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

METHOD BLANK: 288775 Matrix: Solid

Associated Lab Samples: 5025183001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/kg	ND	5.0	04/17/09 12:36	
Trichloroethene	ug/kg	ND	5.0	04/17/09 12:36	
Trichlorofluoromethane	ug/kg	ND	5.0	04/17/09 12:36	
Vinyl chloride	ug/kg	ND	5.0	04/17/09 12:36	
Xylene (Total)	ug/kg	ND	10.0	04/17/09 12:36	
4-Bromofluorobenzene (S)	%	88	61-131	04/17/09 12:36	
Dibromofluoromethane (S)	%	100	80-124	04/17/09 12:36	
Toluene-d8 (S)	%	101	58-145	04/17/09 12:36	

LABORATORY CONTROL SAMPLE: 288776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	44.2	88	61-135	
1,1,2,2-Tetrachloroethane	ug/kg	50	42.9	86	66-124	
1,1,2-Trichloroethane	ug/kg	50	44.2	88	74-127	
1,1,2-Trichlorotrifluoroethane	ug/kg	50	55.4	111	70-130	
1,1-Dichloroethane	ug/kg	50	44.0	88	62-132	
1,1-Dichloroethene	ug/kg	50	49.7	99	61-123	
1,2,4-Trichlorobenzene	ug/kg	50	38.6	77	58-126	
1,2-Dibromo-3-chloropropane	ug/kg	50	33.4	67	58-122	
1,2-Dibromoethane (EDB)	ug/kg	50	41.0	82	74-119	
1,2-Dichlorobenzene	ug/kg	50	48.1	96	75-117	
1,2-Dichloroethane	ug/kg	50	42.4	85	62-135	
1,2-Dichloropropane	ug/kg	50	46.0	92	74-124	
1,3-Dichlorobenzene	ug/kg	50	49.4	99	73-120	
1,4-Dichlorobenzene	ug/kg	50	43.9	88	72-118	
2-Butanone (MEK)	ug/kg	250	279	112	33-190	
2-Hexanone	ug/kg	250	260	104	44-168	
4-Methyl-2-pentanone (MIBK)	ug/kg	250	178	71	58-126	
Acetone	ug/kg	250	436	174	30-190	
Benzene	ug/kg	50	47.7	95	76-123	
Bromodichloromethane	ug/kg	50	43.3	87	67-123	
Bromoform	ug/kg	50	41.3	83	58-117	
Bromomethane	ug/kg	50	55.4	111	47-147	
Carbon disulfide	ug/kg	100	88.0	88	56-141	
Carbon tetrachloride	ug/kg	50	45.9	92	54-136	
Chlorobenzene	ug/kg	50	49.4	99	75-115	
Chloroethane	ug/kg	50	51.9	104	57-147	
Chloroform	ug/kg	50	45.6	91	74-123	
Chloromethane	ug/kg	50	49.6	99	31-155	
cis-1,2-Dichloroethene	ug/kg	50	45.0	90	76-119	
cis-1,3-Dichloropropene	ug/kg	50	40.2	80	56-110	
Cyclohexane	ug/kg	50	49.1J	98	63-127	
Dibromochloromethane	ug/kg	50	43.2	86	63-122	
Dichlorodifluoromethane	ug/kg	50	46.9	94	30-170	

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QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

LABORATORY CONTROL SAMPLE: 288776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	50	49.6	99	78-121	
Isopropylbenzene (Cumene)	ug/kg	50	50.5	101	75-128	
Methyl acetate	ug/kg	50	61.1	122	30-191	
Methyl-tert-butyl ether	ug/kg	100	74.4	74	59-142	
Methylcyclohexane	ug/kg	50	46.8	94	71-123	
Methylene chloride	ug/kg	50	45.6	91	30-170	
Styrene	ug/kg	50	45.0	90	75-118	
Tetrachloroethene	ug/kg	50	45.9	92	63-117	
Toluene	ug/kg	50	46.1	92	72-123	
trans-1,2-Dichloroethene	ug/kg	50	49.7	99	70-122	
trans-1,3-Dichloropropene	ug/kg	50	38.0	76	55-107	
Trichloroethene	ug/kg	50	46.7	93	74-121	
Trichlorofluoromethane	ug/kg	50	57.7	115	55-156	
Vinyl chloride	ug/kg	50	53.6	107	50-146	
Xylene (Total)	ug/kg	150	144	96	77-120	
4-Bromofluorobenzene (S)	%			96	61-131	
Dibromofluoromethane (S)	%			98	80-124	
Toluene-d8 (S)	%			104	58-145	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 288777 288778

Parameter	Units	5025260003 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/kg	ND	50	50	36.6	38.9	73	78	27-142	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	50	50	40.1	38.2	80	76	20-159	5	20	
1,1,2-Trichloroethane	ug/kg	ND	50	50	45.1	41.9	90	84	20-155	7	20	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	50	50	52.7	52.1	105	104	50-150	1	20	
1,1-Dichloroethane	ug/kg	ND	50	50	43.8	41.7	88	83	31-141	5	20	
1,1-Dichloroethene	ug/kg	ND	50	50	46.8	45.5	94	91	23-132	3	20	
1,2,4-Trichlorobenzene	ug/kg	ND	50	50	23.2	25.1	46	50	20-120	8	20	
1,2-Dibromo-3-chloropropane	ug/kg	ND	50	50	24.5	27.7	49	55	20-125	12	20	
1,2-Dibromoethane (EDB)	ug/kg	ND	50	50	38.2	38.6	76	77	20-143	1	20	
1,2-Dichlorobenzene	ug/kg	ND	50	50	41.6	40.9	83	82	20-133	2	20	
1,2-Dichloroethane	ug/kg	ND	50	50	42.9	41.8	86	84	30-143	3	20	
1,2-Dichloropropane	ug/kg	ND	50	50	46.3	44.8	93	90	30-140	3	20	
1,3-Dichlorobenzene	ug/kg	ND	50	50	42.1	41.9	84	84	20-136	.5	20	
1,4-Dichlorobenzene	ug/kg	ND	50	50	37.3	38.3	75	77	30-135	3	20	
2-Butanone (MEK)	ug/kg	ND	250	250	298	281	119	112	30-190	6	20	
2-Hexanone	ug/kg	ND	250	250	279	276	112	110	30-170	1	20	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	250	250	176	174	71	70	30-144	1	20	
Acetone	ug/kg	ND	250	250	504	494	202	197	30-180	2	20	M0
Benzene	ug/kg	ND	50	50	47.8	46.2	96	92	50-135	3	20	
Bromodichloromethane	ug/kg	ND	50	50	42.6	42.1	85	84	30-141	1	20	
Bromoform	ug/kg	ND	50	50	37.4	37.1	75	74	30-135	.8	20	
Bromomethane	ug/kg	ND	50	50	52.5	50.5	105	101	30-137	4	20	
Carbon disulfide	ug/kg	ND	100	100	85.9	82.5	86	83	30-156	4	20	
Carbon tetrachloride	ug/kg	ND	50	50	39.4	41.7	79	83	30-130	6	20	

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QUALITY CONTROL DATA

Project: AT-IN473.20.2
Pace Project No.: 5025183

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 288777 288778

Parameter	Units	5025260003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chlorobenzene	ug/kg	ND	50	50	47.5	47.4	95	95	30-137	.2	20	
Chloroethane	ug/kg	ND	50	50	49.7	47.6	99	95	35-143	4	20	
Chloroform	ug/kg	ND	50	50	45.1	44.3	90	89	30-136	2	20	
Chloromethane	ug/kg	ND	50	50	47.7	46.0	95	92	28-134	4	20	
cis-1,2-Dichloroethene	ug/kg	ND	50	50	44.3	43.0	89	86	30-141	3	20	
cis-1,3-Dichloropropene	ug/kg	ND	50	50	34.3	36.2	69	72	30-126	5	20	
Cyclohexane	ug/kg	ND	50	50	45J	43.4J	90	87	33-129		20	
Dibromochloromethane	ug/kg	ND	50	50	41.2	42.2	82	84	30-129	3	20	
Dichlorodifluoromethane	ug/kg	ND	50	50	44.3	43.1	89	86	30-150	3	20	
Ethylbenzene	ug/kg	ND	50	50	47.1	46.2	94	92	50-150	2	20	
Isopropylbenzene (Cumene)	ug/kg	ND	50	50	46.0	45.7	92	91	50-150	.7	20	
Methyl acetate	ug/kg	ND	50	50	62.0	68.3	124	137	30-170	10	20	
Methyl-tert-butyl ether	ug/kg	ND	100	100	59.0	62.2	59	62	40-149	5	20	
Methylcyclohexane	ug/kg	ND	50	50	40.3	40.0	81	80	30-144	.6	20	
Methylene chloride	ug/kg	ND	50	50	50.7	48.5	98	94	30-163	4	20	
Styrene	ug/kg	ND	50	50	42.1	42.1	84	84	30-141	.2	20	
Tetrachloroethene	ug/kg	ND	50	50	42.7	42.1	85	84	40-155	1	20	
Toluene	ug/kg	ND	50	50	45.3	45.0	91	90	50-149	.7	20	
trans-1,2-Dichloroethene	ug/kg	ND	50	50	49.1	47.4	98	95	40-140	3	20	
trans-1,3-Dichloropropene	ug/kg	ND	50	50	32.9	34.6	66	69	40-130	5	20	
Trichloroethene	ug/kg	ND	50	50	44.7	44.1	89	88	40-153	1	20	
Trichlorofluoromethane	ug/kg	ND	50	50	53.5	52.3	107	105	43-140	2	20	
Vinyl chloride	ug/kg	ND	50	50	49.8	47.9	100	96	36-137	4	20	
Xylene (Total)	ug/kg	ND	150	150	136	134	91	89	50-143	2	20	
4-Bromofluorobenzene (S)	%						96	95	61-131		20	
Dibromofluoromethane (S)	%						101	99	80-124		20	
Toluene-d8 (S)	%						105	105	58-145		20	

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QUALIFIERS

Project: AT-IN473.20.2
Pace Project No.: 5025183

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.

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.

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

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

ANALYTE QUALIFIERS

1d	Due to the high concentration of PCE a lower dilution was not analyzed. aa 4/20/09
2d	No surrogate added to the Blank. KES 4-16-09
3d	No surrogate added to the sample. KES 4-16-09
4d	Sample contained free product. aa 4/20/09
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J	Analyte detected below reporting limit, therefore result is an estimate.
M0	Matrix spike recovery was outside laboratory control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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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 08838

SSOW Ref. Code: E027021

Required Client Information:

Company: ARCADIS	Report To: K. Eastman-Lyons
Address: 251 E. Ohio St.	Copy To: S. Fisher
Ste. 800	Invoice To:
Indianapolis, IN 46204	P.O.: IN000473.20.2
Phone: 317-231-6500	Project Name: AT
Fax: 317-231-6504	Project Number: IN473.20.2
E-mail: Kathy.Eastman-Lyons@arcadis-us.com	

Laboratory: Pace	
Laboratory Location: Indianapolis	
Laboratory Contact: Donna Spiker	
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

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs-8260	BNs-8270	PCBs									Remarks/Lab ID
1.	MW-0636-S3 (040708)	LNAPL	4-7-09	1600	1	X						X	X	X									001/00
2.	MW-20-S1 (041309)	LNAPL	4-13-09	1040	1	X						X	X	X									002/00
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS																						

5025183

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] / ARCADIS	4/13/09	11:04a	[signature] / Pace	4/13/09	11:04a
AIRBILL NO.							

Sample Condition

Temp in °C	3.5
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments: WI Chain 2 of 2 OK to client Del.

Sampler Name: Randall Woodruff

Sampler Signature: [signature] Date: 4-13-09

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 # 5025183

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 1234(5)6 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 3.5°C Biological Tissue is Frozen: Yes (No)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: DW 4/13/09

		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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Yes		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☑No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☑Yes ☐No ☐N/A	15. 1 vial for MW-0636-S3 (040708) has headspace DW
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: Sarah Fisher Date/Time: 4/15/09 12:00

Comments/ Resolution: VM - please call 4:50pm -

cancel MW-20-S1 (041309) sample is water soluble - insufficient volume rec'd DSS 4/15/09

Project Manager Review: K. Jones **Date:** 4-13-09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

April 02, 2009

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

RE: Project: ATD IN000473.0019
Pace Project No.: 5024430

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on March 19, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: ATD IN000473.0019
Pace Project No.: 5024430

Indiana Certification IDs

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: ATD IN000473.0019
Pace Project No.: 5024430

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5024430001	**Outfall_003(031909)**	Water	03/19/09 13:30	03/19/09 16:25

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SAMPLE ANALYTE COUNT

Project: ATD IN000473.0019
Pace Project No.: 5024430

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5024430001	**Outfall_003(031909)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5024430

Sample: Outfall_003(031909) **Lab ID: 5024430001** Collected: 03/19/09 13:30 Received: 03/19/09 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		04/01/09 10:34		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		04/01/09 14:35		

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5024430

QC Batch: GCSV/5062 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5024430001

METHOD BLANK: 257289 | Matrix: Water
Associated Lab Samples: 5024430001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	04/01/09 14:34	

LABORATORY CONTROL SAMPLE: 257290

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: 257291

Parameter	Units	9240406001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	18.5	92	64-132	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5024430

QC Batch: GCSV/5063 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5024430001

METHOD BLANK: 257298 | Matrix: Water
Associated Lab Samples: 5024430001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/01/09 10:32	

LABORATORY CONTROL SAMPLE: 257299

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: 257300

Parameter	Units	9240406001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	35.9	89	78-114	

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Pace Analytical Services, Inc.
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(317)875-5894

QUALIFIERS

Project: ATD IN000473.0019
Pace Project No.: 5024430

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.

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.

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

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

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

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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

K31t

ID # № 08788

SSOW Ref. Code: E027018

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St	Copy To: S Fisher
Suite 800	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317 231-6500	Project Name: ATD
Fax: 6514	Project Number: IN473.19.5
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls, IN	
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

5024430

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:	TPH/O+G (1664)	Remarks/Lab ID
1.	OUTFALL-003(031909)	WT	19Mar09	1330	2	2						2	001
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS				2								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski / Arcadis	19Mar09	1625	K Chandler / PACE	3/19/09	16:25
AIRBILL NO.							

Sample Condition

Temp in °C	3.6
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: WI Chain 2/2 OK (KC) Client del

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski Date: 19Mar09

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 # 5024430

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

[redacted]

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other _____

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.0 °C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 3/19/09 [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.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☒N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☒N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☐Yes	☐No	☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	15.
Trip Blank Present:	☐Yes	☐No	☒N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 3/19/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

February 25, 2009

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

RE: Project: AT Outfall IN473.19
Pace Project No.: 5023366

Dear Ms. Scrocchi:

Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: AT Outfall IN473.19
Pace Project No.: 5023366

Indiana Certification IDs

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: AT Outfall IN473.19
Pace Project No.: 5023366

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5023144009	**Outfall_003_Composite(021009)**	Water	02/10/09 16:45	02/11/09 08:14

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Indianapolis, IN 46268
(317)875-5894

SAMPLE ANALYTE COUNT

Project: AT Outfall IN473.19
Pace Project No.: 5023366

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5023144009	**Outfall_003_Composite(021009)**	EPA 624	AMV	36	PASI-I
		EPA 625	BET	58	PASI-C

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Pace Analytical Services, Inc.
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Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: AT Outfall IN473.19
Pace Project No.: 5023366

Sample: Outfall_003_Composite(021009) **Lab ID: 5023144009** Collected: 02/10/09 16:45 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Acenaphthene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	83-32-9	
Acenaphthylene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	208-96-8	
Anthracene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	11.2	1	02/13/09 10:00	02/21/09 15:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	91-58-7	
2-Chlorophenol	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	7005-72-3	
Chrysene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	120-83-2	
Diethylphthalate	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	84-66-2	
2,4-Dimethylphenol	ND	ug/L	11.2	1	02/13/09 10:00	02/21/09 15:16	105-67-9	
Dimethylphthalate	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	22.5	1	02/13/09 10:00	02/21/09 15:16	534-52-1	
2,4-Dinitrophenol	ND	ug/L	56.2	1	02/13/09 10:00	02/21/09 15:16	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	117-81-7	
Fluoranthene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	206-44-0	
Fluorene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	87-68-3	
Hexachlorobenzene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.2	1	02/13/09 10:00	02/21/09 15:16	77-47-4	
Hexachloroethane	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	193-39-5	
Isophorone	ND	ug/L	11.2	1	02/13/09 10:00	02/21/09 15:16	78-59-1	
Naphthalene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	91-20-3	
Nitrobenzene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	98-95-3	
2-Nitrophenol	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	88-75-5	
4-Nitrophenol	ND	ug/L	56.2	1	02/13/09 10:00	02/21/09 15:16	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.2	1	02/13/09 10:00	02/21/09 15:16	86-30-6	

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19
Pace Project No.: 5023366

Sample: Outfall_003_Composite(021009) **Lab ID: 5023144009** Collected: 02/10/09 16:45 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Pentachlorophenol	ND	ug/L	28.1	1	02/13/09 10:00	02/21/09 15:16	87-86-5	
Phenanthrene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	85-01-8	
Phenol	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	108-95-2	
Pyrene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.6	1	02/13/09 10:00	02/21/09 15:16	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	11.2	1	02/13/09 10:00	02/21/09 15:16	88-06-2	
Nitrobenzene-d5 (S)	47	%	10-120	1	02/13/09 10:00	02/21/09 15:16	4165-60-0	
2-Fluorobiphenyl (S)	53	%	15-120	1	02/13/09 10:00	02/21/09 15:16	321-60-8	
Terphenyl-d14 (S)	79	%	11-131	1	02/13/09 10:00	02/21/09 15:16	1718-51-0	
Phenol-d6 (S)	20	%	10-120	1	02/13/09 10:00	02/21/09 15:16	13127-88-3	
2-Fluorophenol (S)	31	%	10-120	1	02/13/09 10:00	02/21/09 15:16	367-12-4	
2,4,6-Tribromophenol (S)	56	%	10-137	1	02/13/09 10:00	02/21/09 15:16	118-79-6	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		02/23/09 14:25	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/23/09 14:25	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/23/09 14:25	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/23/09 14:25	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		02/23/09 14:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/23/09 14:25	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/23/09 14:25	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		02/23/09 14:25	110-75-8	
Chloroform	ND	ug/L	5.0	1		02/23/09 14:25	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/23/09 14:25	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/23/09 14:25	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/23/09 14:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/23/09 14:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/23/09 14:25	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/23/09 14:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/23/09 14:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/23/09 14:25	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/23/09 14:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/23/09 14:25	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/23/09 14:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/23/09 14:25	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/23/09 14:25	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		02/23/09 14:25	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		02/23/09 14:25	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/23/09 14:25	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/23/09 14:25	127-18-4	
Toluene	ND	ug/L	5.0	1		02/23/09 14:25	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/23/09 14:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/23/09 14:25	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/23/09 14:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/23/09 14:25	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		02/23/09 14:25	75-01-4	

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19
Pace Project No.: 5023366

Sample: Outfall_003_Composite(021009) **Lab ID: 5023144009** Collected: 02/10/09 16:45 Received: 02/11/09 08:14 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Xylene (Total)	ND	ug/L	10.0	1		02/23/09 14:25	1330-20-7	
Dibromofluoromethane (S)	104	%	88-119	1		02/23/09 14:25	1868-53-7	
4-Bromofluorobenzene (S)	115	%	82-116	1		02/23/09 14:25	460-00-4	
Toluene-d8 (S)	106	%	86-112	1		02/23/09 14:25	2037-26-5	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

QC Batch: MSSV/5860 | Analysis Method: EPA 625
QC Batch Method: EPA 625 | Analysis Description: 625 MSS
Associated Lab Samples: 5023144009

METHOD BLANK: 236176 | Matrix: Water
Associated Lab Samples: 5023144009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	02/17/09 23:07	
2,4,6-Trichlorophenol	ug/L	ND	10.0	02/17/09 23:07	
2,4-Dichlorophenol	ug/L	ND	5.0	02/17/09 23:07	
2,4-Dimethylphenol	ug/L	ND	10.0	02/17/09 23:07	
2,4-Dinitrophenol	ug/L	ND	50.0	02/17/09 23:07	
2,4-Dinitrotoluene	ug/L	ND	5.0	02/17/09 23:07	
2,6-Dinitrotoluene	ug/L	ND	5.0	02/17/09 23:07	
2-Chloronaphthalene	ug/L	ND	5.0	02/17/09 23:07	
2-Chlorophenol	ug/L	ND	5.0	02/17/09 23:07	
2-Nitrophenol	ug/L	ND	5.0	02/17/09 23:07	
3,3'-Dichlorobenzidine	ug/L	ND	5.0	02/17/09 23:07	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	02/17/09 23:07	
4-Bromophenylphenyl ether	ug/L	ND	5.0	02/17/09 23:07	
4-Chloro-3-methylphenol	ug/L	ND	5.0	02/17/09 23:07	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	02/17/09 23:07	
4-Nitrophenol	ug/L	ND	50.0	02/17/09 23:07	
Acenaphthene	ug/L	ND	5.0	02/17/09 23:07	
Acenaphthylene	ug/L	ND	5.0	02/17/09 23:07	
Anthracene	ug/L	ND	5.0	02/17/09 23:07	
Benzo(a)anthracene	ug/L	ND	5.0	02/17/09 23:07	
Benzo(a)pyrene	ug/L	ND	5.0	02/17/09 23:07	
Benzo(b)fluoranthene	ug/L	ND	5.0	02/17/09 23:07	
Benzo(g,h,i)perylene	ug/L	ND	5.0	02/17/09 23:07	
Benzo(k)fluoranthene	ug/L	ND	5.0	02/17/09 23:07	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	02/17/09 23:07	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	02/17/09 23:07	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	02/17/09 23:07	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	02/17/09 23:07	
Butylbenzylphthalate	ug/L	ND	5.0	02/17/09 23:07	
Chrysene	ug/L	ND	5.0	02/17/09 23:07	
Di-n-butylphthalate	ug/L	ND	5.0	02/17/09 23:07	
Di-n-octylphthalate	ug/L	ND	5.0	02/17/09 23:07	
Dibenz(a,h)anthracene	ug/L	ND	5.0	02/17/09 23:07	
Diethylphthalate	ug/L	ND	5.0	02/17/09 23:07	
Dimethylphthalate	ug/L	ND	5.0	02/17/09 23:07	
Fluoranthene	ug/L	ND	5.0	02/17/09 23:07	
Fluorene	ug/L	ND	5.0	02/17/09 23:07	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	02/17/09 23:07	
Hexachlorobenzene	ug/L	ND	5.0	02/17/09 23:07	
Hexachlorocyclopentadiene	ug/L	ND	10.0	02/17/09 23:07	
Hexachloroethane	ug/L	ND	5.0	02/17/09 23:07	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	02/17/09 23:07	
Isophorone	ug/L	ND	10.0	02/17/09 23:07	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

METHOD BLANK: 236176 Matrix: Water

Associated Lab Samples: 5023144009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	02/17/09 23:07	
N-Nitrosodimethylamine	ug/L	ND	5.0	02/17/09 23:07	
N-Nitrosodiphenylamine	ug/L	ND	10.0	02/17/09 23:07	
Naphthalene	ug/L	ND	5.0	02/17/09 23:07	
Nitrobenzene	ug/L	ND	5.0	02/17/09 23:07	
Pentachlorophenol	ug/L	ND	25.0	02/17/09 23:07	
Phenanthrene	ug/L	ND	5.0	02/17/09 23:07	
Phenol	ug/L	ND	5.0	02/17/09 23:07	
Pyrene	ug/L	ND	5.0	02/17/09 23:07	
2,4,6-Tribromophenol (S)	%	71	10-137	02/17/09 23:07	
2-Fluorobiphenyl (S)	%	57	15-120	02/17/09 23:07	
2-Fluorophenol (S)	%	24	10-120	02/17/09 23:07	
Nitrobenzene-d5 (S)	%	54	10-120	02/17/09 23:07	
Phenol-d6 (S)	%	12	10-120	02/17/09 23:07	
Terphenyl-d14 (S)	%	71	11-131	02/17/09 23:07	

LABORATORY CONTROL SAMPLE: 236177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	25.9	52	44-142	
2,4,6-Trichlorophenol	ug/L	50	36.1	72	37-144	
2,4-Dichlorophenol	ug/L	50	33.5	67	1-191	
2,4-Dimethylphenol	ug/L	50	21.6	43	32-119	
2,4-Dinitrophenol	ug/L	50	27.9J	56	1-181	
2,4-Dinitrotoluene	ug/L	50	34.6	69	39-139	
2,6-Dinitrotoluene	ug/L	50	33.9	68	50-158	
2-Chloronaphthalene	ug/L	50	30.4	61	60-118	
2-Chlorophenol	ug/L	50	28.2	56	23-134	
2-Nitrophenol	ug/L	50	32.9	66	29-182	
3,3'-Dichlorobenzidine	ug/L	50	ND	6	1-262	
4,6-Dinitro-2-methylphenol	ug/L	50	40.9	82	1-181	
4-Bromophenylphenyl ether	ug/L	50	42.5	85	53-127	
4-Chloro-3-methylphenol	ug/L	50	35.1	70	22-147	
4-Chlorophenylphenyl ether	ug/L	50	42.3	85	25-158	
4-Nitrophenol	ug/L	50	15.3J	31	1-132	
Acenaphthene	ug/L	50	31.8	64	47-145	
Acenaphthylene	ug/L	50	25.4	51	33-145	
Anthracene	ug/L	50	32.3	65	1-166	
Benzo(a)anthracene	ug/L	50	35.7	71	33-143	
Benzo(a)pyrene	ug/L	50	34.7	69	17-163	
Benzo(b)fluoranthene	ug/L	50	35.1	70	24-159	
Benzo(g,h,i)perylene	ug/L	50	37.9	76	1-219	
Benzo(k)fluoranthene	ug/L	50	35.6	71	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	35.4	71	33-184	
bis(2-Chloroethyl) ether	ug/L	50	30.9	62	12-158	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

LABORATORY CONTROL SAMPLE: 236177

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	33.3	67	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.1	84	8-158	
Butylbenzylphthalate	ug/L	50	41.3	83	1-152	
Chrysene	ug/L	50	35.9	72	17-168	
Di-n-butylphthalate	ug/L	50	41.3	83	1-118	
Di-n-octylphthalate	ug/L	50	41.5	83	4-146	
Dibenz(a,h)anthracene	ug/L	50	40.8	82	1-227	
Diethylphthalate	ug/L	50	40.7	81	1-114	
Dimethylphthalate	ug/L	50	41.5	83	1-112	
Fluoranthene	ug/L	50	36.3	73	26-137	
Fluorene	ug/L	50	39.7	79	59-121	
Hexachloro-1,3-butadiene	ug/L	50	26.5	53	24-116	
Hexachlorobenzene	ug/L	50	35.0	70	1-152	
Hexachlorocyclopentadiene	ug/L	50	46.4	93	25-150	
Hexachloroethane	ug/L	50	21.6	43	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	39.2	78	1-171	
Isophorone	ug/L	50	59.8	120	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	35.2	70	1-230	
N-Nitrosodimethylamine	ug/L	50	22.1	44	25-150	
N-Nitrosodiphenylamine	ug/L	50	32.4	65	25-150	
Naphthalene	ug/L	50	29.6	59	21-133	
Nitrobenzene	ug/L	50	30.3	61	35-180	
Pentachlorophenol	ug/L	50	37.0	74	14-176	
Phenanthrene	ug/L	50	36.3	73	54-120	
Phenol	ug/L	50	12.4	25	5-112	
Pyrene	ug/L	50	35.4	71	52-115	
2,4,6-Tribromophenol (S)	%			90	10-137	
2-Fluorobiphenyl (S)	%			70	15-120	
2-Fluorophenol (S)	%			35	10-120	
Nitrobenzene-d5 (S)	%			72	10-120	
Phenol-d6 (S)	%			26	10-120	
Terphenyl-d14 (S)	%			81	11-131	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 236178 236179

Parameter	Units	9237669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	116	116	63.2	73.5	54	63	44-142	15	30	
2,4,6-Trichlorophenol	ug/L	ND	116	116	73.7	77.4	63	67	37-144	5	30	
2,4-Dichlorophenol	ug/L	ND	116	116	71.6	82.4	62	71	1-191	14	30	
2,4-Dimethylphenol	ug/L	ND	116	116	79.1	90.9	68	78	32-119	14	30	
2,4-Dinitrophenol	ug/L	ND	116	116	ND	ND	19	15	1-181		30	
2,4-Dinitrotoluene	ug/L	ND	116	116	55.2	65.4	47	56	39-139	17	30	
2,6-Dinitrotoluene	ug/L	ND	116	116	60.3	69.0	52	59	50-158	13	30	
2-Chloronaphthalene	ug/L	ND	116	116	69.7	77.4	60	67	60-118	11	30	
2-Chlorophenol	ug/L	ND	116	116	69.5	79.3	60	68	23-134	13	30	
2-Nitrophenol	ug/L	ND	116	116	55.8	68.1	48	59	29-182	20	30	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 236178 236179

Parameter	Units	9237669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3,3'-Dichlorobenzidine	ug/L	ND	116	116	26.5	48.1	23	41	1-262	58	30	R1
4,6-Dinitro-2-methylphenol	ug/L	ND	116	116	ND	22.7J	16	20	1-181		30	
4-Bromophenylphenyl ether	ug/L	ND	116	116	91.9	102	79	88	53-127	11	30	
4-Chloro-3-methylphenol	ug/L	ND	116	116	72.9	83.1	63	71	22-147	13	30	
4-Chlorophenylphenyl ether	ug/L	ND	116	116	87.4	96.5	75	83	25-158	10	30	
4-Nitrophenol	ug/L	ND	116	116	19.7J	22.3J	17	19	1-132		30	
Acenaphthene	ug/L	ND	116	116	77.1	85.1	66	73	47-145	10	30	
Acenaphthylene	ug/L	ND	116	116	76.9	94.5	66	81	33-145	21	30	
Anthracene	ug/L	ND	116	116	86.1	95.9	74	82	1-166	11	30	
Benzo(a)anthracene	ug/L	ND	116	116	81.9	89.9	70	77	33-143	9	30	
Benzo(a)pyrene	ug/L	ND	116	116	87.6	97.7	75	84	17-163	11	30	
Benzo(b)fluoranthene	ug/L	ND	116	116	104	103	90	89	24-159	1	30	
Benzo(g,h,i)perylene	ug/L	ND	116	116	44.5	49.7	38	43	1-219	11	30	
Benzo(k)fluoranthene	ug/L	ND	116	116	106	122	91	104	11-162	14	30	
bis(2-Chloroethoxy)methane	ug/L	ND	116	116	83.7	96.9	72	83	33-184	15	30	
bis(2-Chloroethyl) ether	ug/L	ND	116	116	80.9	91.8	70	79	12-158	13	30	
bis(2-Chloroisopropyl) ether	ug/L	ND	116	116	80.2	92.9	69	80	36-166	15	30	
bis(2-Ethylhexyl)phthalate	ug/L	ND	116	116	122	125	101	103	8-158	2	30	
Butylbenzylphthalate	ug/L	ND	116	116	135	117	116	101	1-152	14	30	
Chrysene	ug/L	ND	116	116	85.0	89.7	73	77	17-168	5	30	
Di-n-butylphthalate	ug/L	ND	116	116	89.8	100	77	86	1-118	11	30	
Di-n-octylphthalate	ug/L	ND	116	116	120	107	103	92	4-146	11	30	
Dibenz(a,h)anthracene	ug/L	ND	116	116	49.4	56.5	43	49	1-227	13	30	
Diethylphthalate	ug/L	ND	116	116	84.4	92.7	73	80	1-114	9	30	
Dimethylphthalate	ug/L	ND	116	116	88.8	97.7	76	84	1-112	10	30	
Fluoranthene	ug/L	ND	116	116	74.5	82.4	64	71	26-137	10	30	
Fluorene	ug/L	ND	116	116	83.9	92.7	72	80	59-121	10	30	
Hexachloro-1,3-butadiene	ug/L	ND	116	116	60.1	71.6	52	62	24-116	17	30	
Hexachlorobenzene	ug/L	ND	116	116	73.3	82.7	63	71	1-152	12	30	
Hexachlorocyclopentadiene	ug/L	ND	116	116	21.5J	14.1J	18	12	25-150		30	M0
Hexachloroethane	ug/L	ND	116	116	51.2	57.7	44	50	40-113	12	30	
Indeno(1,2,3-cd)pyrene	ug/L	ND	116	116	47.3	53.6	41	46	1-171	12	30	
Isophorone	ug/L	ND	116	116	117	106	100	92	21-196	9	30	
N-Nitroso-di-n-propylamine	ug/L	ND	116	116	75.6	81.3	65	70	1-230	7	30	
N-Nitrosodimethylamine	ug/L	ND	116	116	74.1	82.8	64	71	25-150	11	30	
N-Nitrosodiphenylamine	ug/L	ND	116	116	118	112	102	96	25-150	5	30	
Naphthalene	ug/L	ND	116	116	71.9	82.4	62	71	21-133	14	30	
Nitrobenzene	ug/L	ND	116	116	67.1	74.2	58	64	35-180	10	30	
Pentachlorophenol	ug/L	ND	116	116	65.7	66.9	57	58	14-176	2	30	
Phenanthrene	ug/L	ND	116	116	80.2	88.8	69	76	54-120	10	30	
Phenol	ug/L	ND	116	116	53.8	64.0	46	55	5-112	17	30	
Pyrene	ug/L	ND	116	116	114	119	98	102	52-115	4	30	
2,4,6-Tribromophenol (S)	%						64	78	10-137			
2-Fluorobiphenyl (S)	%						68	80	15-120			
2-Fluorophenol (S)	%						51	57	10-120			
Nitrobenzene-d5 (S)	%						64	79	10-120			
Phenol-d6 (S)	%						42	50	10-120			

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 236178 236179

Parameter	Units	9237669001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Terphenyl-d14 (S)	%						102	94	11-131			

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

QC Batch: MSV/14547 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5023144009

METHOD BLANK: 266917 | Matrix: Water
Associated Lab Samples: 5023144009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/23/09 13:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/23/09 13:18	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/23/09 13:18	
1,1-Dichloroethane	ug/L	ND	5.0	02/23/09 13:18	
1,1-Dichloroethene	ug/L	ND	5.0	02/23/09 13:18	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/23/09 13:18	
1,2-Dichloroethane	ug/L	ND	5.0	02/23/09 13:18	
1,2-Dichloropropane	ug/L	ND	5.0	02/23/09 13:18	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/23/09 13:18	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/23/09 13:18	
2-Chloroethylvinyl ether	ug/L	ND	50.0	02/23/09 13:18	
Benzene	ug/L	ND	5.0	02/23/09 13:18	
Bromodichloromethane	ug/L	ND	5.0	02/23/09 13:18	
Bromoform	ug/L	ND	5.0	02/23/09 13:18	
Bromomethane	ug/L	ND	5.0	02/23/09 13:18	
Carbon tetrachloride	ug/L	ND	5.0	02/23/09 13:18	
Chlorobenzene	ug/L	ND	5.0	02/23/09 13:18	
Chloroethane	ug/L	ND	5.0	02/23/09 13:18	
Chloroform	ug/L	ND	5.0	02/23/09 13:18	
Chloromethane	ug/L	ND	5.0	02/23/09 13:18	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/23/09 13:18	
Dibromochloromethane	ug/L	ND	5.0	02/23/09 13:18	
Ethylbenzene	ug/L	ND	5.0	02/23/09 13:18	
Methyl-tert-butyl ether	ug/L	ND	5.0	02/23/09 13:18	
Methylene chloride	ug/L	ND	5.0	02/23/09 13:18	
Tetrachloroethene	ug/L	ND	5.0	02/23/09 13:18	
Toluene	ug/L	ND	5.0	02/23/09 13:18	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/23/09 13:18	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/23/09 13:18	
Trichloroethene	ug/L	ND	5.0	02/23/09 13:18	
Trichlorofluoromethane	ug/L	ND	5.0	02/23/09 13:18	
Vinyl chloride	ug/L	ND	2.0	02/23/09 13:18	
Xylene (Total)	ug/L	ND	10.0	02/23/09 13:18	
4-Bromofluorobenzene (S)	%	85	82-116	02/23/09 13:18	
Dibromofluoromethane (S)	%	99	88-119	02/23/09 13:18	
Toluene-d8 (S)	%	111	86-112	02/23/09 13:18	

LABORATORY CONTROL SAMPLE: 266918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.1	95	70-130	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023366

LABORATORY CONTROL SAMPLE: 266918

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	20.5	102	68-135	
1,1,2-Trichloroethane	ug/L	20	20.0	100	73-143	
1,1-Dichloroethane	ug/L	20	19.6	98	68-131	
1,1-Dichloroethene	ug/L	20	20.3	101	79-129	
1,2-Dichlorobenzene	ug/L	20	20.1	101	74-132	
1,2-Dichloroethane	ug/L	20	21.3	107	72-144	
1,2-Dichloropropane	ug/L	20	22.0	110	77-131	
1,3-Dichlorobenzene	ug/L	20	20.3	101	73-130	
1,4-Dichlorobenzene	ug/L	20	17.7	89	69-128	
Benzene	ug/L	20	20.5	103	70-134	
Bromodichloromethane	ug/L	20	20.2	101	74-126	
Bromoform	ug/L	20	19.6	98	56-138	
Bromomethane	ug/L	20	30.6	153	28-152	L3
Carbon tetrachloride	ug/L	20	21.0	105	61-144	
Chlorobenzene	ug/L	20	20.4	102	72-126	
Chloroethane	ug/L	20	23.7	119	58-136	
Chloroform	ug/L	20	20.6	103	78-130	
Chloromethane	ug/L	20	21.8	109	23-154	
cis-1,3-Dichloropropene	ug/L	20	21.2	106	47-130	
Dibromochloromethane	ug/L	20	19.1	96	71-129	
Ethylbenzene	ug/L	20	20.1	101	65-134	
Methyl-tert-butyl ether	ug/L	40	41.5	104	65-145	
Methylene chloride	ug/L	20	20.2	101	31-171	
Tetrachloroethene	ug/L	20	18.9	95	60-128	
Toluene	ug/L	20	20.4	102	72-132	
trans-1,2-Dichloroethene	ug/L	20	21.8	109	76-134	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	58-122	
Trichloroethene	ug/L	20	20.2	101	47-150	
Trichlorofluoromethane	ug/L	20	21.5	107	51-146	
Vinyl chloride	ug/L	20	21.9	109	67-129	
Xylene (Total)	ug/L	60	59.9	100	63-134	
4-Bromofluorobenzene (S)	%			101	82-116	
Dibromofluoromethane (S)	%			107	88-119	
Toluene-d8 (S)	%			101	86-112	

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QUALIFIERS

Project: AT Outfall IN473.19
Pace Project No.: 5023366

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

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.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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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

1814

ID # № 08792

SSOW Ref. Code: E027015

PAGE 16 of 17

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: AT
Fax: 6514	Project Number: IN473.19.5
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location:	
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

~~0023144~~ 5023366 2/16/09

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:	TPH ERO meth 8015	SVOC's meth 625	VOC's meth 624	Remarks/Lab ID
1.	BW-5 (021009)	WG	10Feb09	1600	2	2						2			~~001~~
2.	BW-6 (021009)	WG		1603	2	2						2			~~002~~
3.	BW-7 (021009)	WG		1605	2	2						2			~~003~~
4.	BW-8 (021009)	WG		1608	2	2						2			~~004~~
5.	BW-9 (021009)	WG		1610	2	2						2			~~005~~
6.	BW-11 (021009)	WG		1620	2	2						2			~~006~~
7.	BW-12 (021009)	WG		1625	2	2						2			~~007~~
8.	BW-4 (021009)	WG		1630	2	2						2			~~008~~
9.	Outfall-003-composite (021009)	WT		1645	5	2	3						2	3	5023144 009
10.															
11.															
12.															
13.															
14.															
15.															
	TOTAL NUMBER OF CONTAINERS				21										

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand carry	2	R Andrzejewski / Arcadis	11Feb09	0814	R Chandla / PACE	2/11/09	0814
AIRBILL NO.							

Sample Condition

Temp in °C	3.6 28
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: WI Chain 21/21 OK Client del.

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski Date: 10Feb09

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 #** 6023144

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

Tracking #: _____

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

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

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.6 2.8C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 2/11/09 KG

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.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: Eric Moos Kruger Date/Time: 2/16/09 Email

Comments/ Resolution: Outfall sample moved to separate proj.

Project Manager Review: [signature] **Date:** 2/11/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

July 01, 2009

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

RE: Project: ATD IN000473.0019
Pace Project No.: 5027336

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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: ATD IN000473.0019
Pace Project No.: 5027336

Indiana Certification IDs

Ohio VAP: CL0065
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: ATD IN000473.0019
Pace Project No.: 5027336

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5027336001	**BW-4(061609)**	Water	06/16/09 10:30	06/17/09 08:33
5027336002	**BW-11(061609)**	Water	06/16/09 10:32	06/17/09 08:33
5027336003	**BW-12(061609)**	Water	06/16/09 10:34	06/17/09 08:33
5027336004	**BW-5(061609)**	Water	06/16/09 12:00	06/17/09 08:33
5027336005	**BW-6(061609)**	Water	06/16/09 12:02	06/17/09 08:33
5027336006	**BW-7(061609)**	Water	06/16/09 12:04	06/17/09 08:33
5027336007	**BW-8(061609)**	Water	06/16/09 12:06	06/17/09 08:33
5027336008	**BW-9(061609)**	Water	06/16/09 12:08	06/17/09 08:33
5027336009	**BW-10(061609)**	Water	06/16/09 12:10	06/17/09 08:33
5027336010	**Outfall-003(061609)**	Water	06/16/09 14:10	06/17/09 08:33

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SAMPLE ANALYTE COUNT

Project: ATD IN000473.0019
Pace Project No.: 5027336

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5027336001	**BW-4(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336002	**BW-11(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336003	**BW-12(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336004	**BW-5(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336005	**BW-6(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336006	**BW-7(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336007	**BW-8(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336008	**BW-9(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336009	**BW-10(061609)**	EPA 8015 Mod Ext	RRB	2	PASI-I
5027336010	**Outfall-003(061609)**	EPA 624	AMV	36	PASI-I
		EPA 625	BET	58	PASI-C

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-4(061609) **Lab ID: 5027336001** Collected: 06/16/09 10:30 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**12.0**	mg/L	0.39	5	06/18/09 14:25	06/19/09 14:10		
n-Pentacosane (S)	146	%	40-156	5	06/18/09 14:25	06/19/09 14:10	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-11(061609) **Lab ID: 5027336002** Collected: 06/16/09 10:32 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**10.7**	mg/L	0.39	5	06/18/09 14:25	06/19/09 14:17		
n-Pentacosane (S)	106	%	40-156	5	06/18/09 14:25	06/19/09 14:17	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-12(061609) **Lab ID: 5027336003** Collected: 06/16/09 10:34 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**80.6**	mg/L	2.0	25	06/18/09 14:25	06/19/09 14:24		
n-Pentacosane (S)	0	%	40-156	25	06/18/09 14:25	06/19/09 14:24	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-5(061609) **Lab ID: 5027336004** Collected: 06/16/09 12:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**59.9**	mg/L	1.9	25	06/18/09 14:25	06/19/09 14:31		
n-Pentacosane (S)	0	%	40-156	25	06/18/09 14:25	06/19/09 14:31	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-6(061609) **Lab ID: 5027336005** Collected: 06/16/09 12:02 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**10.2**	mg/L	0.078	1	06/18/09 14:25	06/19/09 00:11		
n-Pentacosane (S)	125	%	40-156	1	06/18/09 14:25	06/19/09 00:11	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-7(061609) **Lab ID: 5027336006** Collected: 06/16/09 12:04 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**1400**	mg/L	37.5	250	06/18/09 14:25	06/19/09 14:38		
n-Pentacosane (S)	0	%	40-156	250	06/18/09 14:25	06/19/09 14:38	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-8(061609) **Lab ID: 5027336007** Collected: 06/16/09 12:06 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**98.7**	mg/L	3.8	50	06/18/09 14:25	06/19/09 14:45		
n-Pentacosane (S)	0	%	40-156	50	06/18/09 14:25	06/19/09 14:45	629-99-2	S4

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-9(061609) **Lab ID: 5027336008** Collected: 06/16/09 12:08 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**1.6**	mg/L	0.083	1	06/19/09 13:55	06/19/09 16:41		
n-Pentacosane (S)	85	%	40-156	1	06/19/09 13:55	06/19/09 16:41	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: BW-10(061609) **Lab ID: 5027336009** Collected: 06/16/09 12:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015M TPH ERO	Analytical Method: EPA 8015 Mod Ext Preparation Method: EPA 8015 Mod Ext							
TPH-ERO	**2.1**	mg/L	0.077	1	06/19/09 13:55	06/19/09 16:48		
n-Pentacosane (S)	85	%	40-156	1	06/19/09 13:55	06/19/09 16:48	629-99-2	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: Outfall-003(061609) **Lab ID: 5027336010** Collected: 06/16/09 14:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Acenaphthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	83-32-9	
Acenaphthylene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	208-96-8	
Anthracene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	108-60-1	
2-Chloronaphthalene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	91-58-7	
2-Chlorophenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	7005-72-3	
Chrysene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	120-83-2	
Diethylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	84-66-2	
2,4-Dimethylphenol	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	105-67-9	
Dimethylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	23.5	1	06/23/09 11:00	06/30/09 04:34	534-52-1	
2,4-Dinitrophenol	ND	ug/L	58.8	1	06/23/09 11:00	06/30/09 04:34	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	117-81-7	
Fluoranthene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	206-44-0	
Fluorene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	87-68-3	
Hexachlorobenzene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	77-47-4	
Hexachloroethane	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	193-39-5	
Isophorone	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	78-59-1	
Naphthalene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	91-20-3	
Nitrobenzene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	98-95-3	
2-Nitrophenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	88-75-5	
4-Nitrophenol	ND	ug/L	58.8	1	06/23/09 11:00	06/30/09 04:34	100-02-7	
N-Nitrosodimethylamine	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	62-75-9	
N-Nitroso-di-n-propylamine	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	86-30-6	
Pentachlorophenol	ND	ug/L	29.4	1	06/23/09 11:00	06/30/09 04:34	87-86-5	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: Outfall-003(061609) **Lab ID: 5027336010** Collected: 06/16/09 14:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV	Analytical Method: EPA 625							
Phenanthrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	85-01-8	
Phenol	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	108-95-2	
Pyrene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	129-00-0	
1,2,4-Trichlorobenzene	ND	ug/L	5.9	1	06/23/09 11:00	06/30/09 04:34	120-82-1	
2,4,6-Trichlorophenol	ND	ug/L	11.8	1	06/23/09 11:00	06/30/09 04:34	88-06-2	
Nitrobenzene-d5 (S)	65	%	10-120	1	06/23/09 11:00	06/30/09 04:34	4165-60-0	
2-Fluorobiphenyl (S)	80	%	15-120	1	06/23/09 11:00	06/30/09 04:34	321-60-8	
Terphenyl-d14 (S)	90	%	11-131	1	06/23/09 11:00	06/30/09 04:34	1718-51-0	
Phenol-d6 (S)	31	%	10-120	1	06/23/09 11:00	06/30/09 04:34	13127-88-3	
2-Fluorophenol (S)	44	%	10-120	1	06/23/09 11:00	06/30/09 04:34	367-12-4	
2,4,6-Tribromophenol (S)	89	%	10-137	1	06/23/09 11:00	06/30/09 04:34	118-79-6	
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		06/27/09 14:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/27/09 14:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/27/09 14:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/27/09 14:38	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		06/27/09 14:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/27/09 14:38	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		06/27/09 14:38	110-75-8	
Chloroform	ND	ug/L	5.0	1		06/27/09 14:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/27/09 14:38	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/27/09 14:38	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 14:38	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/27/09 14:38	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/27/09 14:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/27/09 14:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 14:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 14:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/27/09 14:38	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		06/27/09 14:38	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		06/27/09 14:38	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/27/09 14:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/27/09 14:38	127-18-4	
Toluene	ND	ug/L	5.0	1		06/27/09 14:38	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/27/09 14:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/27/09 14:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/27/09 14:38	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		06/27/09 14:38	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		06/27/09 14:38	1330-20-7	
Dibromofluoromethane (S)	104	%	88-119	1		06/27/09 14:38	1868-53-7	

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ANALYTICAL RESULTS

Project: ATD IN000473.0019
Pace Project No.: 5027336

Sample: Outfall-003(061609) **Lab ID: 5027336010** Collected: 06/16/09 14:10 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
4-Bromofluorobenzene (S)	94	%	82-116	1		06/27/09 14:38	460-00-4	
Toluene-d8 (S)	97	%	86-112	1		06/27/09 14:38	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: MSSV/7179 | Analysis Method: EPA 625
QC Batch Method: EPA 625 | Analysis Description: 625 MSS
Associated Lab Samples: 5027336010

METHOD BLANK: 298349 | Matrix: Water
Associated Lab Samples: 5027336010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	5.0	06/29/09 15:39	
2,4,6-Trichlorophenol	ug/L	ND	10.0	06/29/09 15:39	
2,4-Dichlorophenol	ug/L	ND	5.0	06/29/09 15:39	
2,4-Dimethylphenol	ug/L	ND	10.0	06/29/09 15:39	
2,4-Dinitrophenol	ug/L	ND	50.0	06/29/09 15:39	
2,4-Dinitrotoluene	ug/L	ND	5.0	06/29/09 15:39	
2,6-Dinitrotoluene	ug/L	ND	5.0	06/29/09 15:39	
2-Chloronaphthalene	ug/L	ND	5.0	06/29/09 15:39	
2-Chlorophenol	ug/L	ND	5.0	06/29/09 15:39	
2-Nitrophenol	ug/L	ND	5.0	06/29/09 15:39	
3,3'-Dichlorobenzidine	ug/L	ND	5.0	06/29/09 15:39	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	06/29/09 15:39	
4-Bromophenylphenyl ether	ug/L	ND	5.0	06/29/09 15:39	
4-Chloro-3-methylphenol	ug/L	ND	5.0	06/29/09 15:39	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	06/29/09 15:39	
4-Nitrophenol	ug/L	ND	50.0	06/29/09 15:39	
Acenaphthene	ug/L	ND	5.0	06/29/09 15:39	
Acenaphthylene	ug/L	ND	5.0	06/29/09 15:39	
Anthracene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(a)anthracene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(a)pyrene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(b)fluoranthene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(g,h,i)perylene	ug/L	ND	5.0	06/29/09 15:39	
Benzo(k)fluoranthene	ug/L	ND	5.0	06/29/09 15:39	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	06/29/09 15:39	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	06/29/09 15:39	
bis(2-Chloroisopropyl) ether	ug/L	ND	5.0	06/29/09 15:39	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	06/29/09 15:39	
Butylbenzylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Chrysene	ug/L	ND	5.0	06/29/09 15:39	
Di-n-butylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Di-n-octylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Dibenz(a,h)anthracene	ug/L	ND	5.0	06/29/09 15:39	
Diethylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Dimethylphthalate	ug/L	ND	5.0	06/29/09 15:39	
Fluoranthene	ug/L	ND	5.0	06/29/09 15:39	
Fluorene	ug/L	ND	5.0	06/29/09 15:39	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	06/29/09 15:39	
Hexachlorobenzene	ug/L	ND	5.0	06/29/09 15:39	
Hexachlorocyclopentadiene	ug/L	ND	10.0	06/29/09 15:39	
Hexachloroethane	ug/L	ND	5.0	06/29/09 15:39	
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	06/29/09 15:39	
Isophorone	ug/L	ND	10.0	06/29/09 15:39	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

METHOD BLANK: 298349 Matrix: Water

Associated Lab Samples: 5027336010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	06/29/09 15:39	
N-Nitrosodimethylamine	ug/L	ND	5.0	06/29/09 15:39	
N-Nitrosodiphenylamine	ug/L	ND	10.0	06/29/09 15:39	
Naphthalene	ug/L	ND	5.0	06/29/09 15:39	
Nitrobenzene	ug/L	ND	5.0	06/29/09 15:39	
Pentachlorophenol	ug/L	ND	25.0	06/29/09 15:39	
Phenanthrene	ug/L	ND	5.0	06/29/09 15:39	
Phenol	ug/L	ND	5.0	06/29/09 15:39	
Pyrene	ug/L	ND	5.0	06/29/09 15:39	
2,4,6-Tribromophenol (S)	%	80	10-137	06/29/09 15:39	
2-Fluorobiphenyl (S)	%	72	15-120	06/29/09 15:39	
2-Fluorophenol (S)	%	38	10-120	06/29/09 15:39	
Nitrobenzene-d5 (S)	%	66	10-120	06/29/09 15:39	
Phenol-d6 (S)	%	26	10-120	06/29/09 15:39	
Terphenyl-d14 (S)	%	71	11-131	06/29/09 15:39	

LABORATORY CONTROL SAMPLE: 298350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	30.3	61	44-142	
2,4,6-Trichlorophenol	ug/L	50	40.0	80	37-144	
2,4-Dichlorophenol	ug/L	50	34.0	68	1-191	
2,4-Dimethylphenol	ug/L	50	23.5	47	32-119	
2,4-Dinitrophenol	ug/L	50	38.7J	77	1-181	
2,4-Dinitrotoluene	ug/L	50	32.2	64	39-139	
2,6-Dinitrotoluene	ug/L	50	30.5	61	50-158	
2-Chloronaphthalene	ug/L	50	34.4	69	60-118	
2-Chlorophenol	ug/L	50	26.9	54	23-134	
2-Nitrophenol	ug/L	50	33.6	67	29-182	
3,3'-Dichlorobenzidine	ug/L	50	41.9	84	1-262	
4,6-Dinitro-2-methylphenol	ug/L	50	37.2	74	1-181	
4-Bromophenylphenyl ether	ug/L	50	40.5	81	53-127	
4-Chloro-3-methylphenol	ug/L	50	32.5	65	22-147	
4-Chlorophenylphenyl ether	ug/L	50	41.4	83	25-158	
4-Nitrophenol	ug/L	50	13J	26	1-132	
Acenaphthene	ug/L	50	36.6	73	47-145	
Acenaphthylene	ug/L	50	37.0	74	33-145	
Anthracene	ug/L	50	38.7	77	1-166	
Benzo(a)anthracene	ug/L	50	36.9	74	33-143	
Benzo(a)pyrene	ug/L	50	36.2	72	17-163	
Benzo(b)fluoranthene	ug/L	50	37.6	75	24-159	
Benzo(g,h,i)perylene	ug/L	50	22.4	45	1-219	
Benzo(k)fluoranthene	ug/L	50	28.7	57	11-162	
bis(2-Chloroethoxy)methane	ug/L	50	35.5	71	33-184	
bis(2-Chloroethyl) ether	ug/L	50	31.1	62	12-158	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

LABORATORY CONTROL SAMPLE: 298350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
bis(2-Chloroisopropyl) ether	ug/L	50	29.2	58	36-166	
bis(2-Ethylhexyl)phthalate	ug/L	50	33.0	66	8-158	
Butylbenzylphthalate	ug/L	50	33.3	67	1-152	
Chrysene	ug/L	50	37.3	75	17-168	
Di-n-butylphthalate	ug/L	50	36.6	73	1-118	
Di-n-octylphthalate	ug/L	50	32.0	64	4-146	
Dibenz(a,h)anthracene	ug/L	50	23.7	47	1-227	
Diethylphthalate	ug/L	50	33.4	67	1-114	
Dimethylphthalate	ug/L	50	35.0	70	1-112	
Fluoranthene	ug/L	50	42.9	86	26-137	
Fluorene	ug/L	50	38.4	77	59-121	
Hexachloro-1,3-butadiene	ug/L	50	34.4	69	24-116	
Hexachlorobenzene	ug/L	50	43.1	86	1-152	
Hexachlorocyclopentadiene	ug/L	50	32.1	64	25-150	
Hexachloroethane	ug/L	50	24.7	49	40-113	
Indeno(1,2,3-cd)pyrene	ug/L	50	25.0	50	1-171	
Isophorone	ug/L	50	34.1	68	21-196	
N-Nitroso-di-n-propylamine	ug/L	50	32.2	64	1-230	
N-Nitrosodimethylamine	ug/L	50	19.2	38	25-150	
N-Nitrosodiphenylamine	ug/L	50	38.6	77	25-150	
Naphthalene	ug/L	50	32.3	65	21-133	
Nitrobenzene	ug/L	50	37.9	76	35-180	
Pentachlorophenol	ug/L	50	36.4	73	14-176	
Phenanthrene	ug/L	50	42.5	85	54-120	
Phenol	ug/L	50	13.3	27	5-112	
Pyrene	ug/L	50	37.2	74	52-115	
2,4,6-Tribromophenol (S)	%			75	10-137	
2-Fluorobiphenyl (S)	%			68	15-120	
2-Fluorophenol (S)	%			34	10-120	
Nitrobenzene-d5 (S)	%			61	10-120	
Phenol-d6 (S)	%			26	10-120	
Terphenyl-d14 (S)	%			70	11-131	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: OEXT/13469 Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 8015 Mod Ext Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5027336001, 5027336002, 5027336003, 5027336004, 5027336005, 5027336006, 5027336007

METHOD BLANK: 311795 Matrix: Water
Associated Lab Samples: 5027336001, 5027336002, 5027336003, 5027336004, 5027336005, 5027336006, 5027336007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-ERO	mg/L	ND	0.075	06/18/09 21:28	
n-Pentacosane (S)	%	93	40-156	06/18/09 21:28	

LABORATORY CONTROL SAMPLE: 311796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-ERO	mg/L	2.5	1.8	73	42-136	
n-Pentacosane (S)	%			86	40-156	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 311848 311849

Parameter	Units	5027322005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-ERO	mg/L	0.13	5.2	5.1	4.8	4.1	90	79	40-146	15	20	
n-Pentacosane (S)	%						99	86	40-156		20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: OEXT/13481 | Analysis Method: EPA 8015 Mod Ext
QC Batch Method: EPA 8015 Mod Ext | Analysis Description: EPA 8015 Modified
Associated Lab Samples: 5027336008, 5027336009

METHOD BLANK: 312307 | Matrix: Water
Associated Lab Samples: 5027336008, 5027336009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
TPH-ERO	mg/L	ND	0.075	06/19/09 16:28	
n-Pentacosane (S)	%	78	40-156	06/19/09 16:28	

LABORATORY CONTROL SAMPLE: 312308

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
TPH-ERO	mg/L	2.5	1.5	61	42-136	
n-Pentacosane (S)	%			76	40-156	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 312309 312310

Parameter	Units	5027367008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
TPH-ERO	mg/L	ND	5.1	5.7	4.0	3.7	77	65	40-146	6	20	
n-Pentacosane (S)	%						87	78	40-156		20	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

QC Batch: MSV/17040 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5027336010

METHOD BLANK: 315966 | Matrix: Water
Associated Lab Samples: 5027336010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloropropane	ug/L	ND	5.0	06/27/09 12:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
2-Chloroethylvinyl ether	ug/L	ND	50.0	06/27/09 12:55	
Benzene	ug/L	ND	5.0	06/27/09 12:55	
Bromodichloromethane	ug/L	ND	5.0	06/27/09 12:55	
Bromoform	ug/L	ND	5.0	06/27/09 12:55	
Bromomethane	ug/L	ND	5.0	06/27/09 12:55	
Carbon tetrachloride	ug/L	ND	5.0	06/27/09 12:55	
Chlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
Chloroethane	ug/L	ND	5.0	06/27/09 12:55	
Chloroform	ug/L	ND	5.0	06/27/09 12:55	
Chloromethane	ug/L	ND	5.0	06/27/09 12:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Dibromochloromethane	ug/L	ND	5.0	06/27/09 12:55	
Ethylbenzene	ug/L	ND	5.0	06/27/09 12:55	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/27/09 12:55	
Methylene chloride	ug/L	ND	5.0	06/27/09 12:55	
Tetrachloroethene	ug/L	ND	5.0	06/27/09 12:55	
Toluene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Trichloroethene	ug/L	ND	5.0	06/27/09 12:55	
Trichlorofluoromethane	ug/L	ND	5.0	06/27/09 12:55	
Vinyl chloride	ug/L	ND	2.0	06/27/09 12:55	
Xylene (Total)	ug/L	ND	10.0	06/27/09 12:55	
4-Bromofluorobenzene (S)	%	90	82-116	06/27/09 12:55	
Dibromofluoromethane (S)	%	102	88-119	06/27/09 12:55	
Toluene-d8 (S)	%	98	86-112	06/27/09 12:55	

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	68-135	
1,1,2-Trichloroethane	ug/L	20	21.9	110	73-143	
1,1-Dichloroethane	ug/L	20	21.0	105	68-131	
1,1-Dichloroethene	ug/L	20	23.4	117	79-129	
1,2-Dichlorobenzene	ug/L	20	21.2	106	74-132	
1,2-Dichloroethane	ug/L	20	23.9	120	72-144	
1,2-Dichloropropane	ug/L	20	21.3	106	77-131	
1,3-Dichlorobenzene	ug/L	20	22.2	111	73-130	
1,4-Dichlorobenzene	ug/L	20	21.5	107	69-128	
Benzene	ug/L	20	20.7	104	70-134	
Bromodichloromethane	ug/L	20	20.5	102	74-126	
Bromoform	ug/L	20	19.7	99	56-138	
Bromomethane	ug/L	20	33.2	166	28-152	L3
Carbon tetrachloride	ug/L	20	23.0	115	61-144	
Chlorobenzene	ug/L	20	21.0	105	72-126	
Chloroethane	ug/L	20	25.1	125	58-136	
Chloroform	ug/L	20	22.9	114	78-130	
Chloromethane	ug/L	20	21.3	107	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	47-130	
Dibromochloromethane	ug/L	20	22.0	110	71-129	
Ethylbenzene	ug/L	20	22.0	110	65-134	
Methyl-tert-butyl ether	ug/L	40	45.8	115	65-145	
Methylene chloride	ug/L	20	21.9	110	31-171	
Tetrachloroethene	ug/L	20	22.2	111	60-128	
Toluene	ug/L	20	21.2	106	72-132	
trans-1,2-Dichloroethene	ug/L	20	24.4	122	76-134	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	58-122	
Trichloroethene	ug/L	20	23.0	115	47-150	
Trichlorofluoromethane	ug/L	20	19.3	96	51-146	
Vinyl chloride	ug/L	20	22.0	110	67-129	
Xylene (Total)	ug/L	60	67.2	112	63-134	
4-Bromofluorobenzene (S)	%			90	82-116	
Dibromofluoromethane (S)	%			104	88-119	
Toluene-d8 (S)	%			94	86-112	

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	23.6	118	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.0	100	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	21.9	110	70-145	
1,1-Dichloroethane	ug/L	ND	20	21.4	107	55-143	
1,1-Dichloroethene	ug/L	ND	20	25.0	125	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	21.3	106	29-156	
1,2-Dichloroethane	ug/L	ND	20	22.2	111	69-145	
1,2-Dichloropropane	ug/L	ND	20	21.9	109	73-133	
1,3-Dichlorobenzene	ug/L	ND	20	22.3	111	40-149	

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QUALITY CONTROL DATA

Project: ATD IN000473.0019
Pace Project No.: 5027336

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	20	21.5	108	38-146	
Benzene	ug/L	ND	20	21.1	105	54-144	
Bromodichloromethane	ug/L	ND	20	20.3	101	65-135	
Bromoform	ug/L	ND	20	19.2	96	47-140	
Bromomethane	ug/L	ND	20	24.1	121	40-160	
Carbon tetrachloride	ug/L	ND	20	23.7	118	50-159	
Chlorobenzene	ug/L	ND	20	21.1	106	29-154	
Chloroethane	ug/L	ND	20	33.0	165	33-176	
Chloroform	ug/L	ND	20	24.1	121	58-147	
Chloromethane	ug/L	ND	20	21.8	109	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	19.3	96	56-114	
Dibromochloromethane	ug/L	ND	20	21.9	110	59-137	
Ethylbenzene	ug/L	ND	20	22.8	114	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	45.7	114	60-158	
Methylene chloride	ug/L	ND	20	20.1	101	30-169	
Tetrachloroethene	ug/L	ND	20	22.4	112	21-156	
Toluene	ug/L	ND	20	22.0	110	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	25.2	126	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	17.4	87	54-117	
Trichloroethene	ug/L	ND	20	23.5	118	21-165	
Trichlorofluoromethane	ug/L	ND	20	20.1	100	42-168	
Vinyl chloride	ug/L	ND	20	23.8	119	60-144	
Xylene (Total)	ug/L	ND	60	68.9	115	30-163	
4-Bromofluorobenzene (S)	%				91	82-116	
Dibromofluoromethane (S)	%				104	88-119	
Toluene-d8 (S)	%				96	86-112	

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QUALIFIERS

Project: ATD IN000473.0019
Pace Project No.: 5027336

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

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.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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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 # № 08779

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN473.0019.00005
Phone: 317-231-6500	Project Name: ATP
Fax: x6514	Project Number: IN000473.0019
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

SSOW Ref. Code: ~~E027018~~ E027020 per Sue 6/23/09

E027336

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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	TPH ERO (8015)	TTO SVOC (625)	TTO VOC (624)	Remarks/Lab ID
1.	BW-4 (061609)	~~EWINF~~	16Jun09	1030	2	2						2			001
2.	BW-11 (061609)			1032	2	2						2			002
3.	BW-12 (061609)			1034	2	2						2			003
4.	BW-5 (061609)			1200	2	2						2			004
5.	BW-6 (061609)			1202	2	2						2			005
6.	BW-7 (061609)			1204	2	2						2			006
7.	BW-8 (061609)			1206	2	2						2			007
8.	BW-9 (061609)			1208	2	2						2			008
9.	BW-10 (061609)			1210	2	2						2			009
10.	OUTFALL-003 (061609)	~~EWOUT~~		1410	5	2	3						2	3	010
11.															
12.															
13.															
14.															
15.															
				TOTAL NUMBER OF CONTAINERS	23										

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski / Arcadis	17Jun09	0833	[illegible] / Pace	6/17/09	0833
AIRBILL NO.							

Sample Condition

Temp in °C	1.3
Received on Ice	(Y) N
Sealed Cooler	Y / N
Samples Intact	(Y) N

Additional Comments:

WI Client def.

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert J Andrzejewski Date: 17Jun09

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 # 5027336

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 1 2 3 4 5 6 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.3 C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 6/17/09 [illegible]

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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 6/17/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Sample Container Count

Pace Analytical
www.pacelabs.com

CLIENT: ARCADIS

COC PAGE 1 of 1
COC ID# 0877A

Project # 6027336

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

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	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 gl	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 gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	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 gla	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.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

April 08, 2009

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

RE: Project: ATD IN473.19.7
Pace Project No.: 5024627

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on March 25, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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SAMPLE SUMMARY

Project: ATD IN473.19.7
Pace Project No.: 5024627

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5024627001	**Outfall_004_Influent(032409)**	Water	03/24/09 14:30	03/25/09 16:57
5024627002	**Outfall_004_Effluent(032409)**	Water	03/24/09 14:35	03/25/09 16:57

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SAMPLE ANALYTE COUNT

Project: ATD IN473.19.7
Pace Project No.: 5024627

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5024627001	**Outfall_004_Influent(032409)**	EPA 624	AMV	36
5024627002	**Outfall_004_Effluent(032409)**	EPA 624	AMV	36

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ANALYTICAL RESULTS

Project: ATD IN473.19.7
Pace Project No.: 5024627

Sample: Outfall_004_Influent(032409) **Lab ID: 5024627001** Collected: 03/24/09 14:30 Received: 03/25/09 16:57 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	50.0	10		04/03/09 14:47	71-43-2	
Bromodichloromethane	ND	ug/L	50.0	10		04/03/09 14:47	75-27-4	
Bromoform	ND	ug/L	50.0	10		04/03/09 14:47	75-25-2	
Bromomethane	ND	ug/L	50.0	10		04/03/09 14:47	74-83-9	
Carbon tetrachloride	ND	ug/L	50.0	10		04/03/09 14:47	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		04/03/09 14:47	108-90-7	
Chloroethane	ND	ug/L	50.0	10		04/03/09 14:47	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	500	10		04/03/09 14:47	110-75-8	
Chloroform	ND	ug/L	50.0	10		04/03/09 14:47	67-66-3	
Chloromethane	ND	ug/L	50.0	10		04/03/09 14:47	74-87-3	
Dibromochloromethane	ND	ug/L	50.0	10		04/03/09 14:47	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		04/03/09 14:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		04/03/09 14:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		04/03/09 14:47	106-46-7	
1,1-Dichloroethane	ND	ug/L	50.0	10		04/03/09 14:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		04/03/09 14:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		04/03/09 14:47	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		04/03/09 14:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		04/03/09 14:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		04/03/09 14:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		04/03/09 14:47	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		04/03/09 14:47	100-41-4	
Methylene chloride	ND	ug/L	50.0	10		04/03/09 14:47	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	50.0	10		04/03/09 14:47	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		04/03/09 14:47	79-34-5	
Tetrachloroethene	**2730**	ug/L	50.0	10		04/03/09 14:47	127-18-4	
Toluene	ND	ug/L	50.0	10		04/03/09 14:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		04/03/09 14:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		04/03/09 14:47	79-00-5	
Trichloroethene	**106**	ug/L	50.0	10		04/03/09 14:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		04/03/09 14:47	75-69-4	
Vinyl chloride	ND	ug/L	20.0	10		04/03/09 14:47	75-01-4	
Xylene (Total)	ND	ug/L	100	10		04/03/09 14:47	1330-20-7	
Dibromofluoromethane (S)	102	%	88-119	10		04/03/09 14:47	1868-53-7	
4-Bromofluorobenzene (S)	101	%	82-116	10		04/03/09 14:47	460-00-4	
Toluene-d8 (S)	103	%	86-112	10		04/03/09 14:47	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD IN473.19.7
Pace Project No.: 5024627

Sample: Outfall_004_Effluent(032409) **Lab ID: 5024627002** Collected: 03/24/09 14:35 Received: 03/25/09 16:57 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		04/03/09 15:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/03/09 15:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/03/09 15:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/03/09 15:55	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		04/03/09 15:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/03/09 15:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/03/09 15:55	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		04/03/09 15:55	110-75-8	
Chloroform	ND	ug/L	5.0	1		04/03/09 15:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/03/09 15:55	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/03/09 15:55	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/03/09 15:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/03/09 15:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/03/09 15:55	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/03/09 15:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/03/09 15:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/03/09 15:55	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/03/09 15:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/03/09 15:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/03/09 15:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/03/09 15:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/03/09 15:55	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		04/03/09 15:55	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		04/03/09 15:55	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/03/09 15:55	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/03/09 15:55	127-18-4	
Toluene	ND	ug/L	5.0	1		04/03/09 15:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/03/09 15:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/03/09 15:55	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/03/09 15:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/03/09 15:55	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/03/09 15:55	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/03/09 15:55	1330-20-7	
Dibromofluoromethane (S)	104	%	88-119	1		04/03/09 15:55	1868-53-7	
4-Bromofluorobenzene (S)	99	%	82-116	1		04/03/09 15:55	460-00-4	
Toluene-d8 (S)	100	%	86-112	1		04/03/09 15:55	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD IN473.19.7
Pace Project No.: 5024627

QC Batch: MSV/15420 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5024627001, 5024627002

METHOD BLANK: 283844 | Matrix: Water
Associated Lab Samples: 5024627001, 5024627002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/03/09 14:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/03/09 14:13	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/03/09 14:13	
1,1-Dichloroethane	ug/L	ND	5.0	04/03/09 14:13	
1,1-Dichloroethene	ug/L	ND	5.0	04/03/09 14:13	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/03/09 14:13	
1,2-Dichloroethane	ug/L	ND	5.0	04/03/09 14:13	
1,2-Dichloropropane	ug/L	ND	5.0	04/03/09 14:13	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/03/09 14:13	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/03/09 14:13	
2-Chloroethylvinyl ether	ug/L	ND	50.0	04/03/09 14:13	
Benzene	ug/L	ND	5.0	04/03/09 14:13	
Bromodichloromethane	ug/L	ND	5.0	04/03/09 14:13	
Bromoform	ug/L	ND	5.0	04/03/09 14:13	
Bromomethane	ug/L	ND	5.0	04/03/09 14:13	
Carbon tetrachloride	ug/L	ND	5.0	04/03/09 14:13	
Chlorobenzene	ug/L	ND	5.0	04/03/09 14:13	
Chloroethane	ug/L	ND	5.0	04/03/09 14:13	
Chloroform	ug/L	ND	5.0	04/03/09 14:13	
Chloromethane	ug/L	ND	5.0	04/03/09 14:13	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/03/09 14:13	
Dibromochloromethane	ug/L	ND	5.0	04/03/09 14:13	
Ethylbenzene	ug/L	ND	5.0	04/03/09 14:13	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/03/09 14:13	
Methylene chloride	ug/L	ND	5.0	04/03/09 14:13	
Tetrachloroethene	ug/L	ND	5.0	04/03/09 14:13	
Toluene	ug/L	ND	5.0	04/03/09 14:13	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/03/09 14:13	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/03/09 14:13	
Trichloroethene	ug/L	ND	5.0	04/03/09 14:13	
Trichlorofluoromethane	ug/L	ND	5.0	04/03/09 14:13	
Vinyl chloride	ug/L	ND	2.0	04/03/09 14:13	
Xylene (Total)	ug/L	ND	10.0	04/03/09 14:13	
4-Bromofluorobenzene (S)	%	101	82-116	04/03/09 14:13	
Dibromofluoromethane (S)	%	104	88-119	04/03/09 14:13	
Toluene-d8 (S)	%	101	86-112	04/03/09 14:13	

LABORATORY CONTROL SAMPLE: 283845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.5	118	70-130	

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QUALITY CONTROL DATA

Project: ATD IN473.19.7
Pace Project No.: 5024627

LABORATORY CONTROL SAMPLE: 283845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	23.3	117	68-135	
1,1,2-Trichloroethane	ug/L	20	23.5	118	73-143	
1,1-Dichloroethane	ug/L	20	20.9	104	68-131	
1,1-Dichloroethene	ug/L	20	22.5	113	79-129	
1,2-Dichlorobenzene	ug/L	20	22.7	113	74-132	
1,2-Dichloroethane	ug/L	20	23.0	115	72-144	
1,2-Dichloropropane	ug/L	20	23.8	119	77-131	
1,3-Dichlorobenzene	ug/L	20	22.7	114	73-130	
1,4-Dichlorobenzene	ug/L	20	20.7	103	69-128	
Benzene	ug/L	20	21.4	107	70-134	
Bromodichloromethane	ug/L	20	22.4	112	74-126	
Bromoform	ug/L	20	20.8	104	56-138	
Bromomethane	ug/L	20	18.1	90	28-152	
Carbon tetrachloride	ug/L	20	25.3	127	61-144	
Chlorobenzene	ug/L	20	21.0	105	72-126	
Chloroethane	ug/L	20	22.4	112	58-136	
Chloroform	ug/L	20	23.4	117	78-130	
Chloromethane	ug/L	20	18.8	94	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.5	103	47-130	
Dibromochloromethane	ug/L	20	22.2	111	71-129	
Ethylbenzene	ug/L	20	22.8	114	65-134	
Methyl-tert-butyl ether	ug/L	40	45.4	114	65-145	
Methylene chloride	ug/L	20	23.9	120	31-171	
Tetrachloroethene	ug/L	20	16.7	83	60-128	
Toluene	ug/L	20	21.5	107	72-132	
trans-1,2-Dichloroethene	ug/L	20	24.3	122	76-134	
trans-1,3-Dichloropropene	ug/L	20	19.5	98	58-122	
Trichloroethene	ug/L	20	23.7	119	47-150	
Trichlorofluoromethane	ug/L	20	22.1	111	51-146	
Vinyl chloride	ug/L	20	20.5	102	67-129	
Xylene (Total)	ug/L	60	65.2	109	63-134	
4-Bromofluorobenzene (S)	%			99	82-116	
Dibromofluoromethane (S)	%			108	88-119	
Toluene-d8 (S)	%			96	86-112	

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QUALIFIERS

Project: ATD IN473.19.7
Pace Project No.: 5024627

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.

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.

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

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

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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

1034

ID # № 08787

SSOW Ref. Code: E027018

Required Client Information:

Company: Arcadis	Report To: EMoosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: ATD
Fax: x 6514	Project Number: IN473.19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls, IN	
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

5024627

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:	TTO VOC's (624)	Remarks/Lab ID
1.	OUTFALL-004-Influent (032409)	IN	24Mar09	1430	3		3					3	001
2.	OUTFALL-004-Effluent (032409)	WT	24Mar09	1435	3		3					3	002
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS				6								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	RAndrzejewski/Arcadis 25	24Mar09	~~0837~~ 1657	[illegible] Pace	3/25/09	16:57p
AIRBILL NO.							

Sample Condition

Temp in °C	13
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments: 60K LC WI Client due

Sampler Name: Robert Andrzejewski

Sampler Signature: Robert Andrzejewski

Date: 24Mar09

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

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 5024627

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.3°C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: LCS 3/25/09

		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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	Initial when completed ____ Lot # of added preservative ____
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☒No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 3/25/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

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

1034

ID # № 08787

SSOW Ref. Code: E027018

Required Client Information:

Company: Arcadis	Report To: EMoosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317-231-6500	Project Name: ATD
Fax: x 6514	Project Number: IN473.19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls, IN	
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

5024627

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:	TTO VOC's (624)	Remarks/Lab ID
1.	OUTFALL-004-Influent (032409)	IN	24Mar09	1430	3		3					3	001
2.	OUTFALL-004-Effluent (032409)	WT	24Mar09	1435	3		3					3	002
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS				6								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	RAndrzejewski/Arcadis 25	24Mar09	~~0837~~ 1657	[illegible] Pace	3/25/09	16:57p
AIRBILL NO.							

Sample Condition

Temp in °C	13
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments: 60K LC WI Client due

Sampler Name: Robert Andrzejewski

Sampler Signature: Robert Andrzejewski

Date: 24Mar09

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

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 5024627

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.3°C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: LCS 3/25/09

		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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☒No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 3/25/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

April 30, 2009

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

RE: Project: Allison IN473.204
Pace Project No.: 5025362

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: Allison IN473.204
Pace Project No.: 5025362

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025362001	**Effluent (041609)**	Water	04/16/09 14:04	04/17/09 14:54

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(317)875-5894

SAMPLE ANALYTE COUNT

Project: Allison IN473.204
Pace Project No.: 5025362

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5025362001	**Effluent (041609)**	EPA 624	AMV	36

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.204
Pace Project No.: 5025362

Sample: Effluent (041609) **Lab ID: 5025362001** Collected: 04/16/09 14:04 Received: 04/17/09 14:54 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		04/27/09 15:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/27/09 15:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/27/09 15:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/27/09 15:16	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		04/27/09 15:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/27/09 15:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/27/09 15:16	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		04/27/09 15:16	110-75-8	
Chloroform	ND	ug/L	5.0	1		04/27/09 15:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/27/09 15:16	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/27/09 15:16	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/27/09 15:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/27/09 15:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/27/09 15:16	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/27/09 15:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/27/09 15:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/27/09 15:16	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/27/09 15:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/27/09 15:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/27/09 15:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/27/09 15:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/27/09 15:16	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		04/27/09 15:16	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		04/27/09 15:16	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/27/09 15:16	79-34-5	
Tetrachloroethene	**19.5**	ug/L	5.0	1		04/27/09 15:16	127-18-4	
Toluene	ND	ug/L	5.0	1		04/27/09 15:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/27/09 15:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/27/09 15:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/27/09 15:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/27/09 15:16	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/27/09 15:16	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/27/09 15:16	1330-20-7	
Dibromofluoromethane (S)	108	%	88-119	1		04/27/09 15:16	1868-53-7	
4-Bromofluorobenzene (S)	105	%	82-116	1		04/27/09 15:16	460-00-4	
Toluene-d8 (S)	107	%	86-112	1		04/27/09 15:16	2037-26-5	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison IN473.204
Pace Project No.: 5025362

QC Batch: MSV/15892 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5025362001

METHOD BLANK: 291714 | Matrix: Water
Associated Lab Samples: 5025362001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/27/09 13:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/27/09 13:34	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/27/09 13:34	
1,1-Dichloroethane	ug/L	ND	5.0	04/27/09 13:34	
1,1-Dichloroethene	ug/L	ND	5.0	04/27/09 13:34	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/27/09 13:34	
1,2-Dichloroethane	ug/L	ND	5.0	04/27/09 13:34	
1,2-Dichloropropane	ug/L	ND	5.0	04/27/09 13:34	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/27/09 13:34	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/27/09 13:34	
2-Chloroethylvinyl ether	ug/L	ND	50.0	04/27/09 13:34	
Benzene	ug/L	ND	5.0	04/27/09 13:34	
Bromodichloromethane	ug/L	ND	5.0	04/27/09 13:34	
Bromoform	ug/L	ND	5.0	04/27/09 13:34	
Bromomethane	ug/L	ND	5.0	04/27/09 13:34	
Carbon tetrachloride	ug/L	ND	5.0	04/27/09 13:34	
Chlorobenzene	ug/L	ND	5.0	04/27/09 13:34	
Chloroethane	ug/L	ND	5.0	04/27/09 13:34	
Chloroform	ug/L	ND	5.0	04/27/09 13:34	
Chloromethane	ug/L	ND	5.0	04/27/09 13:34	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/27/09 13:34	
Dibromochloromethane	ug/L	ND	5.0	04/27/09 13:34	
Ethylbenzene	ug/L	ND	5.0	04/27/09 13:34	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/27/09 13:34	
Methylene chloride	ug/L	ND	5.0	04/27/09 13:34	
Tetrachloroethene	ug/L	ND	5.0	04/27/09 13:34	
Toluene	ug/L	ND	5.0	04/27/09 13:34	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/27/09 13:34	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/27/09 13:34	
Trichloroethene	ug/L	ND	5.0	04/27/09 13:34	
Trichlorofluoromethane	ug/L	ND	5.0	04/27/09 13:34	
Vinyl chloride	ug/L	ND	2.0	04/27/09 13:34	
Xylene (Total)	ug/L	ND	10.0	04/27/09 13:34	
4-Bromofluorobenzene (S)	%	106	82-116	04/27/09 13:34	
Dibromofluoromethane (S)	%	108	88-119	04/27/09 13:34	
Toluene-d8 (S)	%	106	86-112	04/27/09 13:34	

LABORATORY CONTROL SAMPLE: 291715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	24.5	122	70-130	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison IN473.204
Pace Project No.: 5025362

LABORATORY CONTROL SAMPLE: 291715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	23.1	115	68-135	
1,1,2-Trichloroethane	ug/L	20	23.3	117	73-143	
1,1-Dichloroethane	ug/L	20	22.3	111	68-131	
1,1-Dichloroethene	ug/L	20	23.7	118	79-129	
1,2-Dichlorobenzene	ug/L	20	22.7	113	74-132	
1,2-Dichloroethane	ug/L	20	23.9	120	72-144	
1,2-Dichloropropane	ug/L	20	25.3	127	77-131	
1,3-Dichlorobenzene	ug/L	20	22.8	114	73-130	
1,4-Dichlorobenzene	ug/L	20	22.3	112	69-128	
Benzene	ug/L	20	21.8	109	70-134	
Bromodichloromethane	ug/L	20	23.2	116	74-126	
Bromoform	ug/L	20	21.2	106	56-138	
Bromomethane	ug/L	20	18.7	93	28-152	
Carbon tetrachloride	ug/L	20	25.6	128	61-144	
Chlorobenzene	ug/L	20	20.5	103	72-126	
Chloroethane	ug/L	20	33.4	167	58-136	L3
Chloroform	ug/L	20	24.0	120	78-130	
Chloromethane	ug/L	20	22.6	113	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.9	104	47-130	
Dibromochloromethane	ug/L	20	22.6	113	71-129	
Ethylbenzene	ug/L	20	22.5	112	65-134	
Methyl-tert-butyl ether	ug/L	40	49.2	123	65-145	
Methylene chloride	ug/L	20	24.0	120	31-171	
Tetrachloroethene	ug/L	20	17.8	89	60-128	
Toluene	ug/L	20	21.4	107	72-132	
trans-1,2-Dichloroethene	ug/L	20	25.9	130	76-134	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	58-122	
Trichloroethene	ug/L	20	24.5	122	47-150	
Trichlorofluoromethane	ug/L	20	23.9	120	51-146	
Vinyl chloride	ug/L	20	22.7	113	67-129	
Xylene (Total)	ug/L	60	65.7	110	63-134	
4-Bromofluorobenzene (S)	%			104	82-116	
Dibromofluoromethane (S)	%			114	88-119	
Toluene-d8 (S)	%			103	86-112	

MATRIX SPIKE SAMPLE: 291716

Parameter	Units	5025556004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	5.5	20	26.1	103	50-150	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	20	21.2	106	69-136	
1,1,2-Trichloroethane	ug/L	<1.0	20	22.6	113	70-145	
1,1-Dichloroethane	ug/L	<1.0	20	21.8	109	55-143	
1,1-Dichloroethene	ug/L	<1.0	20	24.4	122	63-146	
1,2-Dichlorobenzene	ug/L	<1.0	20	21.6	108	29-156	
1,2-Dichloroethane	ug/L	<1.0	20	22.0	110	69-145	
1,2-Dichloropropane	ug/L	<1.0	20	22.9	115	73-133	
1,3-Dichlorobenzene	ug/L	<1.0	20	21.6	108	40-149	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison IN473.204
Pace Project No.: 5025362

MATRIX SPIKE SAMPLE: 291716

Parameter	Units	5025556004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	<1.0	20	21.3	107	38-146	
Benzene	ug/L	<1.0	20	20.8	104	54-144	
Bromodichloromethane	ug/L	<1.0	20	22.0	110	65-135	
Bromoform	ug/L	<1.0	20	19.9	100	47-140	
Bromomethane	ug/L	<5.0	20	16.7	84	40-160	
Carbon tetrachloride	ug/L	<2.0	20	25.7	129	50-159	
Chlorobenzene	ug/L	<1.0	20	20.4	102	29-154	
Chloroethane	ug/L	<5.0	20	30.7	153	33-176	
Chloroform	ug/L	<1.0	20	22.7	114	58-147	
Chloromethane	ug/L	<5.0	20	23.2	116	31-153	
cis-1,3-Dichloropropene	ug/L	<1.0	20	19.0	95	56-114	
Dibromochloromethane	ug/L	<1.0	20	21.7	109	59-137	
Ethylbenzene	ug/L	<1.0	20	22.1	110	28-160	
Methyl-tert-butyl ether	ug/L	<5.0	40	44.6	112	60-158	
Methylene chloride	ug/L	<5.0	20	21.0	105	30-169	
Tetrachloroethene	ug/L	<1.0	20	17.3	86	21-156	
Toluene	ug/L	<1.0	20	21.4	107	37-154	
trans-1,2-Dichloroethene	ug/L	<1.0	20	26.1	131	59-149	
trans-1,3-Dichloropropene	ug/L	<1.0	20	17.7	89	54-117	
Trichloroethene	ug/L	3.9	20	24.6	103	21-165	
Trichlorofluoromethane	ug/L	<1.0	20	25.3	126	42-168	
Vinyl chloride	ug/L	<2.0	20	23.9	119	60-144	
Xylene (Total)	ug/L	<3.0	60	64.0	107	30-163	
4-Bromofluorobenzene (S)	%				104	82-116	
Dibromofluoromethane (S)	%				109	88-119	
Toluene-d8 (S)	%				104	86-112	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: Allison IN473.204
Pace Project No.: 5025362

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.

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.

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

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

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.

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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 # № 08785

SSOW Ref. Code: EØ27020

Required Client Information:

Company: ARCADIS	Report To: S. Fisher
Address: 251 E. Ohio St Ste. 800 Indpls, IN 46204	Copy To: Jaci Gray
	Invoice To: "
	P.O.: IN000473-0020.0004
Phone: 3172316500	Project Name: Allison
Fax:	Project Number: IN473-204
E-mail: sfisher@arcadis.com, jaci.gray@arcadis.com	

Laboratory: Pace	
Laboratory Location: Indpls, IN	
Laboratory Contact: D. Spyker	
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

Preservative

Analysis and Method

5025362

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 6024	Remarks/Lab ID
1. Effluent (041609)	WT	4-16-09	1404	3		X					X	001
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												
11.												
12.												
13.												
14.												
15.												
TOTAL NUMBER OF CONTAINERS				3								

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Deliver	1	Meryl A. Hicks / ARCADIS	4-16-09	2:54p	Lin Childspace	4-17-09	2:54p
AIRBILL NO.							

Sample Condition

Temp in °C	2.1
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: 30K IC WT Client dl

Sampler Name: Meryl Hicks

Sampler Signature: Meryl A. Hicks Date: 4-16-09

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

REV. 0 (6/04)

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 5025362

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 123456 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.1 **Biological Tissue is Frozen:** Yes (No)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4-17-09

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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☒No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☒No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: K. Jones **Date:** 4-17-09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

January 23, 2009

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

RE: Project: Allison Transmission Outfall
Pace Project No.: 5022429

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on January 09, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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: Allison Transmission Outfall
Pace Project No.: 5022429

Indiana Certification IDs

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: Allison Transmission Outfall
Pace Project No.: 5022429

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5022429001	**Outfall_004_Inf(010909)**	Water	01/09/09 15:15	01/09/09 16:50
5022429002	**Outfall_004_Eff(010909)**	Water	01/09/09 15:30	01/09/09 16:50
5022429003	**Outfall_003(010909)**	Water	01/09/09 15:45	01/09/09 16:50
5022429004	**Trip Blank**	Water	01/09/09 08:00	01/09/09 16:50

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SAMPLE ANALYTE COUNT

Project: Allison Transmission Outfall
Pace Project No.: 5022429

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5022429001	**Outfall_004_Inf(010909)**	EPA 624	SLB	36	PASI-I
		SM 2340B	FRW	1	PASI-I
5022429002	**Outfall_004_Eff(010909)**	EPA 624	SLB	36	PASI-I
5022429003	**Outfall_003(010909)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C

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ANALYTICAL RESULTS

Project: Allison Transmission Outfall
Pace Project No.: 5022429

Sample: Outfall_004_Inf(010909) **Lab ID: 5022429001** Collected: 01/09/09 15:15 Received: 01/09/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2340B Hardness, Total (Calc.)	Analytical Method: SM 2340B							
Total Hardness	**548**	mg/L	1.0	1		01/19/09 15:45		
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	5.0	1		01/19/09 19:14	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/19/09 19:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/19/09 19:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/19/09 19:14	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		01/19/09 19:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/19/09 19:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/19/09 19:14	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		01/19/09 19:14	110-75-8	
Chloroform	ND	ug/L	5.0	1		01/19/09 19:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/19/09 19:14	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		01/19/09 19:14	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/19/09 19:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/19/09 19:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/19/09 19:14	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/19/09 19:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/19/09 19:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/19/09 19:14	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/19/09 19:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/19/09 19:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/19/09 19:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/19/09 19:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/19/09 19:14	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		01/19/09 19:14	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/19/09 19:14	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/19/09 19:14	79-34-5	
Tetrachloroethene	**22800**	ug/L	500	100		01/20/09 14:59	127-18-4	
Toluene	ND	ug/L	5.0	1		01/19/09 19:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/19/09 19:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/19/09 19:14	79-00-5	
Trichloroethene	**431**	ug/L	50.0	10		01/19/09 19:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/19/09 19:14	75-69-4	
Vinyl chloride	**3.1**	ug/L	2.0	1		01/19/09 19:14	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		01/19/09 19:14	1330-20-7	
Dibromofluoromethane (S)	88	%	88-119	1		01/19/09 19:14	1868-53-7	
4-Bromofluorobenzene (S)	95	%	82-116	1		01/19/09 19:14	460-00-4	
Toluene-d8 (S)	97	%	86-112	1		01/19/09 19:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission Outfall
Pace Project No.: 5022429

Sample: Outfall_004_Eff(010909) **Lab ID: 5022429002** Collected: 01/09/09 15:30 Received: 01/09/09 16:50 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		01/19/09 20:14	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		01/19/09 20:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		01/19/09 20:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		01/19/09 20:14	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		01/19/09 20:14	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		01/19/09 20:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		01/19/09 20:14	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		01/19/09 20:14	110-75-8	
Chloroform	ND	ug/L	5.0	1		01/19/09 20:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		01/19/09 20:14	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		01/19/09 20:14	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		01/19/09 20:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		01/19/09 20:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		01/19/09 20:14	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		01/19/09 20:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		01/19/09 20:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		01/19/09 20:14	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		01/19/09 20:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		01/19/09 20:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		01/19/09 20:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		01/19/09 20:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		01/19/09 20:14	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		01/19/09 20:14	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		01/19/09 20:14	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		01/19/09 20:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		01/19/09 20:14	127-18-4	1d
Toluene	ND	ug/L	5.0	1		01/19/09 20:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		01/19/09 20:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		01/19/09 20:14	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		01/19/09 20:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		01/19/09 20:14	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		01/19/09 20:14	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		01/19/09 20:14	1330-20-7	
Dibromofluoromethane (S)	94	%	88-119	1		01/19/09 20:14	1868-53-7	
4-Bromofluorobenzene (S)	98	%	82-116	1		01/19/09 20:14	460-00-4	
Toluene-d8 (S)	102	%	86-112	1		01/19/09 20:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission Outfall
Pace Project No.: 5022429

Sample: Outfall_003(010909) **Lab ID: 5022429003** Collected: 01/09/09 15:45 Received: 01/09/09 16:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		01/19/09 10:46		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		01/19/09 13:03		

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QUALITY CONTROL DATA

Project: Allison Transmission Outfall
Pace Project No.: 5022429

QC Batch: GCSV/4565 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5022429003

METHOD BLANK: 224811 | Matrix: Water
Associated Lab Samples: 5022429003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	01/19/09 13:03	

LABORATORY CONTROL SAMPLE: 224812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	19.1	96	64-132	

MATRIX SPIKE SAMPLE: 224813

Parameter	Units	9235947001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	19.6	97	64-132	

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QUALITY CONTROL DATA

Project: Allison Transmission Outfall
Pace Project No.: 5022429

QC Batch: GCSV/4566 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5022429003

METHOD BLANK: 224814 | Matrix: Water
Associated Lab Samples: 5022429003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	01/19/09 10:44	

LABORATORY CONTROL SAMPLE: 224815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	34.8	87	78-114	

MATRIX SPIKE SAMPLE: 224816

Parameter	Units	9235947001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	36.2	90	78-114	

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QUALITY CONTROL DATA

Project: Allison Transmission Outfall
Pace Project No.: 5022429

QC Batch: MSV/14050 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5022429001, 5022429002

METHOD BLANK: 256349 | Matrix: Water
Associated Lab Samples: 5022429001, 5022429002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	01/19/09 18:14	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	01/19/09 18:14	
1,1,2-Trichloroethane	ug/L	ND	5.0	01/19/09 18:14	
1,1-Dichloroethane	ug/L	ND	5.0	01/19/09 18:14	
1,1-Dichloroethene	ug/L	ND	5.0	01/19/09 18:14	
1,2-Dichlorobenzene	ug/L	ND	5.0	01/19/09 18:14	
1,2-Dichloroethane	ug/L	ND	5.0	01/19/09 18:14	
1,2-Dichloropropane	ug/L	ND	5.0	01/19/09 18:14	
1,3-Dichlorobenzene	ug/L	ND	5.0	01/19/09 18:14	
1,4-Dichlorobenzene	ug/L	ND	5.0	01/19/09 18:14	
2-Chloroethylvinyl ether	ug/L	ND	50.0	01/19/09 18:14	
Benzene	ug/L	ND	5.0	01/19/09 18:14	
Bromodichloromethane	ug/L	ND	5.0	01/19/09 18:14	
Bromoform	ug/L	ND	5.0	01/19/09 18:14	
Bromomethane	ug/L	ND	5.0	01/19/09 18:14	
Carbon tetrachloride	ug/L	ND	5.0	01/19/09 18:14	
Chlorobenzene	ug/L	ND	5.0	01/19/09 18:14	
Chloroethane	ug/L	ND	5.0	01/19/09 18:14	
Chloroform	ug/L	ND	5.0	01/19/09 18:14	
Chloromethane	ug/L	ND	5.0	01/19/09 18:14	
cis-1,3-Dichloropropene	ug/L	ND	5.0	01/19/09 18:14	
Dibromochloromethane	ug/L	ND	5.0	01/19/09 18:14	
Ethylbenzene	ug/L	ND	5.0	01/19/09 18:14	
Methyl-tert-butyl ether	ug/L	ND	5.0	01/19/09 18:14	
Methylene chloride	ug/L	ND	5.0	01/19/09 18:14	
Tetrachloroethene	ug/L	ND	5.0	01/19/09 18:14	
Toluene	ug/L	ND	5.0	01/19/09 18:14	
trans-1,2-Dichloroethene	ug/L	ND	5.0	01/19/09 18:14	
trans-1,3-Dichloropropene	ug/L	ND	5.0	01/19/09 18:14	
Trichloroethene	ug/L	ND	5.0	01/19/09 18:14	
Trichlorofluoromethane	ug/L	ND	5.0	01/19/09 18:14	
Vinyl chloride	ug/L	ND	2.0	01/19/09 18:14	
Xylene (Total)	ug/L	ND	10.0	01/19/09 18:14	
4-Bromofluorobenzene (S)	%	98	82-116	01/19/09 18:14	
Dibromofluoromethane (S)	%	94	88-119	01/19/09 18:14	
Toluene-d8 (S)	%	101	86-112	01/19/09 18:14	

LABORATORY CONTROL SAMPLE: 256350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	16.9	84	70-130	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison Transmission Outfall
Pace Project No.: 5022429

LABORATORY CONTROL SAMPLE: 256350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.3	92	68-135	
1,1,2-Trichloroethane	ug/L	20	21.4	107	73-143	
1,1-Dichloroethane	ug/L	20	18.1	90	68-131	
1,1-Dichloroethene	ug/L	20	17.4	87	79-129	
1,2-Dichlorobenzene	ug/L	20	18.7	93	74-132	
1,2-Dichloroethane	ug/L	20	19.5	97	72-144	
1,2-Dichloropropane	ug/L	20	20.5	102	77-131	
1,3-Dichlorobenzene	ug/L	20	21.1	106	73-130	
1,4-Dichlorobenzene	ug/L	20	18.7	93	69-128	
2-Chloroethylvinyl ether	ug/L	20	ND	63	50-150	
Benzene	ug/L	20	19.6	98	70-134	
Bromodichloromethane	ug/L	20	18.2	91	74-126	
Bromoform	ug/L	20	15.3	76	56-138	
Bromomethane	ug/L	20	25.5	127	28-152	
Carbon tetrachloride	ug/L	20	15.3	76	61-144	
Chlorobenzene	ug/L	20	20.9	104	72-126	
Chloroethane	ug/L	20	16.5	83	58-136	
Chloroform	ug/L	20	18.3	91	78-130	
Chloromethane	ug/L	20	19.6	98	23-154	
cis-1,3-Dichloropropene	ug/L	20	17.6	88	47-130	
Dibromochloromethane	ug/L	20	17.1	86	71-129	
Ethylbenzene	ug/L	20	20.5	102	65-134	
Methyl-tert-butyl ether	ug/L	40	42.2	105	65-145	
Methylene chloride	ug/L	20	20.0	100	31-171	
Tetrachloroethene	ug/L	20	16.5	82	60-128	
Toluene	ug/L	20	20.2	101	72-132	
trans-1,2-Dichloroethene	ug/L	20	19.4	97	76-134	
trans-1,3-Dichloropropene	ug/L	20	17.7	88	58-122	
Trichloroethene	ug/L	20	20.6	103	47-150	
Trichlorofluoromethane	ug/L	20	13.5	67	51-146	
Vinyl chloride	ug/L	20	18.4	92	67-129	
Xylene (Total)	ug/L	60	59.8	100	63-134	
4-Bromofluorobenzene (S)	%			98	82-116	
Dibromofluoromethane (S)	%			94	88-119	
Toluene-d8 (S)	%			102	86-112	

MATRIX SPIKE SAMPLE: 256351

Parameter	Units	5022514001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	15.5	77	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	16.1	80	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	17.0	85	70-145	
1,1-Dichloroethane	ug/L	ND	20	15.0	75	55-143	
1,1-Dichloroethene	ug/L	ND	20	17.4	87	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	14.7	74	29-156	
1,2-Dichloroethane	ug/L	ND	20	16.0	80	69-145	
1,2-Dichloropropane	ug/L	ND	20	16.9	84	73-133	

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(317)875-5894

QUALITY CONTROL DATA

Project: Allison Transmission Outfall
Pace Project No.: 5022429

MATRIX SPIKE SAMPLE: 256351

Parameter	Units	5022514001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	ND	20	16.4	82	40-149	
1,4-Dichlorobenzene	ug/L	ND	20	14.7	74	38-146	
Benzene	ug/L	ND	20	16.6	83	54-144	
Bromodichloromethane	ug/L	ND	20	15.1	75	65-135	
Bromoform	ug/L	ND	20	12.3	62	47-140	
Bromomethane	ug/L	ND	20	19.7	98	40-160	
Carbon tetrachloride	ug/L	ND	20	14.3	72	50-159	
Chlorobenzene	ug/L	ND	20	16.7	84	29-154	
Chloroethane	ug/L	ND	20	15.3	76	33-176	
Chloroform	ug/L	ND	20	15.7	78	58-147	
Chloromethane	ug/L	ND	20	17.7	88	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	13.5	67	56-114	
Dibromochloromethane	ug/L	ND	20	13.3	67	59-137	
Ethylbenzene	ug/L	ND	20	16.6	83	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	33.9	85	60-158	
Methylene chloride	ug/L	ND	20	16.3	81	30-169	
Tetrachloroethene	ug/L	ND	20	15.2	70	21-156	
Toluene	ug/L	ND	20	16.7	83	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	16.7	84	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	13.9	69	54-117	
Trichloroethene	ug/L	ND	20	16.5	82	21-165	
Trichlorofluoromethane	ug/L	ND	20	17.4	87	42-168	
Vinyl chloride	ug/L	ND	20	18.6	93	60-144	
Xylene (Total)	ug/L	ND	60	49.2	82	30-163	
4-Bromofluorobenzene (S)	%				100	82-116	
Dibromofluoromethane (S)	%				94	88-119	
Toluene-d8 (S)	%				101	86-112	

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QUALIFIERS

Project: Allison Transmission Outfall
Pace Project No.: 5022429

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Compound reported from the run on 50MSV4 C-2 1/20/09 @ 15:29
	slb01/21/09

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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 # № 08765

SSOW Ref. Code: E027015

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St	Copy To: S Fisher
Indianapolis, IN 46204	Invoice To: S Fisher
#800	P.O.: IN 473.19.7
Phone (317) 231-6500	Project Name: Allison Trans.
Fax: x6514	Project Number: IN 473.19.7
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: 5 Wd
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

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	Hardness	TTO VOC via 624	TPH/oil & grease via 1664								Remarks/Lab ID
1. Outfall_004_Inf (010909)	IN	9 Jan 09	1515	4		3		1			1	3									001
2. Outfall_004_Eff (010909)	WT	9 Jan 09	1530	3		3						3									002
3. Outfall_003 (010909)	WT	9 Jan 09	1545	2									2								003
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					
11.																					
12.																					
13.																					
14.																					
15.																					
			TOTAL NUMBER OF CONTAINERS	9																	

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	2	R. Andrzejewski / Arcadis	9 Jan 09	1650	R Chandler / PACE	1.9.09	1650
AIRBILL NO.							

Sample Condition

Temp in °C	13.2
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

W I Chain 9/9 OK (PC) Client ok

3+BS

Sampler Name: Robert Andrzejewski

Sampler Signature: Robert Andrzejewski Date: 9 Jan 09

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 # 5022429

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

[redacted]

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other _____

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 13.2C **Biological Tissue is Frozen:** Yes No **Date and Initials of person examining contents:** 1-9-09

Temp should be above freezing to 6°C Just Sample **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.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☒N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☒N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16. 3 TBs not in chain
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: Sarah Fisher Date/Time: 1/12/09

Comments/ Resolution: email – do not run trip

Project Manager Review: [signature] **Date:** 1/9/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

February 25, 2009

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

RE: Project: AT Outfall IN473.19
Pace Project No.: 5023181

Dear Ms. Scrocchi:

Enclosed are the analytical results for sample(s) received by the laboratory on February 11, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

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CERTIFICATIONS

Project: AT Outfall IN473.19
Pace Project No.: 5023181

Indiana Certification IDs

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: AT Outfall IN473.19
Pace Project No.: 5023181

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5023181001	**Outfall_004_Inf(021109)**	Water	02/11/09 12:00	02/11/09 16:00
5023181002	**Outfall_004_Eff(021109)**	Water	02/11/09 12:05	02/11/09 16:00
5023181003	**Outfall_003(021109)**	Water	02/11/09 12:25	02/11/09 16:00

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SAMPLE ANALYTE COUNT

Project: AT Outfall IN473.19
Pace Project No.: 5023181

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5023181001	**Outfall_004_Inf(021109)**	EPA 624	AMV, SLB	36	PASI-I
5023181002	**Outfall_004_Eff(021109)**	EPA 624	SLB	36	PASI-I
5023181003	**Outfall_003(021109)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19
Pace Project No.: 5023181

Sample: Outfall_004_Inf(021109) **Lab ID: 5023181001** Collected: 02/11/09 12:00 Received: 02/11/09 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		02/20/09 15:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/20/09 15:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/20/09 15:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/20/09 15:46	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		02/20/09 15:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/20/09 15:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/20/09 15:46	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		02/20/09 15:46	110-75-8	
Chloroform	ND	ug/L	5.0	1		02/20/09 15:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/20/09 15:46	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/20/09 15:46	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/20/09 15:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/20/09 15:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/20/09 15:46	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/20/09 15:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/20/09 15:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/20/09 15:46	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/20/09 15:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/20/09 15:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/20/09 15:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/20/09 15:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/20/09 15:46	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		02/20/09 15:46	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		02/20/09 15:46	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/20/09 15:46	79-34-5	
Tetrachloroethene	**6330**	ug/L	250	50		02/23/09 14:59	127-18-4	
Toluene	ND	ug/L	5.0	1		02/20/09 15:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/20/09 15:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/20/09 15:46	79-00-5	
Trichloroethene	**198**	ug/L	5.0	1		02/20/09 15:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/20/09 15:46	75-69-4	
Vinyl chloride	**4.1**	ug/L	2.0	1		02/20/09 15:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		02/20/09 15:46	1330-20-7	
Dibromofluoromethane (S)	100	%	88-119	1		02/20/09 15:46	1868-53-7	
4-Bromofluorobenzene (S)	100	%	82-116	1		02/20/09 15:46	460-00-4	
Toluene-d8 (S)	100	%	86-112	1		02/20/09 15:46	2037-26-5	

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19
Pace Project No.: 5023181

Sample: Outfall_004_Eff(021109) **Lab ID: 5023181002** Collected: 02/11/09 12:05 Received: 02/11/09 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		02/20/09 16:47	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		02/20/09 16:47	75-27-4	
Bromoform	ND	ug/L	5.0	1		02/20/09 16:47	75-25-2	
Bromomethane	ND	ug/L	5.0	1		02/20/09 16:47	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		02/20/09 16:47	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		02/20/09 16:47	108-90-7	
Chloroethane	ND	ug/L	5.0	1		02/20/09 16:47	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		02/20/09 16:47	110-75-8	
Chloroform	ND	ug/L	5.0	1		02/20/09 16:47	67-66-3	
Chloromethane	ND	ug/L	5.0	1		02/20/09 16:47	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		02/20/09 16:47	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		02/20/09 16:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		02/20/09 16:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		02/20/09 16:47	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		02/20/09 16:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		02/20/09 16:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		02/20/09 16:47	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		02/20/09 16:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		02/20/09 16:47	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		02/20/09 16:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		02/20/09 16:47	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		02/20/09 16:47	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		02/20/09 16:47	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		02/20/09 16:47	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		02/20/09 16:47	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		02/20/09 16:47	127-18-4	1d
Toluene	ND	ug/L	5.0	1		02/20/09 16:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		02/20/09 16:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		02/20/09 16:47	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		02/20/09 16:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		02/20/09 16:47	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		02/20/09 16:47	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		02/20/09 16:47	1330-20-7	
Dibromofluoromethane (S)	108	%	88-119	1		02/20/09 16:47	1868-53-7	
4-Bromofluorobenzene (S)	100	%	82-116	1		02/20/09 16:47	460-00-4	
Toluene-d8 (S)	95	%	86-112	1		02/20/09 16:47	2037-26-5	

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Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: AT Outfall IN473.19
Pace Project No.: 5023181

Sample: Outfall_003(021109) **Lab ID: 5023181003** Collected: 02/11/09 12:25 Received: 02/11/09 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	ND	mg/L	5.0	1		02/23/09 13:24		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		02/23/09 16:51		

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023181

QC Batch: GCSV/4803 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5023181003

METHOD BLANK: 240546 | Matrix: Water
Associated Lab Samples: 5023181003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	02/23/09 13:20	

LABORATORY CONTROL SAMPLE: 240547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	38.1	95	78-114	

MATRIX SPIKE SAMPLE: 240620

Parameter	Units	5023181003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	37.3	89	78-114	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023181

QC Batch: GCSV/4804 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5023181003

METHOD BLANK: 240549 | Matrix: Water
Associated Lab Samples: 5023181003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	02/23/09 16:50	

LABORATORY CONTROL SAMPLE: 240550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	20	18.3	92	64-132	

MATRIX SPIKE SAMPLE: 240551

Parameter	Units	5023181003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	19.8	92	64-132	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023181

QC Batch: MSV/14532 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5023181001, 5023181002

METHOD BLANK: 266598 | Matrix: Water
Associated Lab Samples: 5023181001, 5023181002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	02/20/09 09:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	02/20/09 09:13	
1,1,2-Trichloroethane	ug/L	ND	5.0	02/20/09 09:13	
1,1-Dichloroethane	ug/L	ND	5.0	02/20/09 09:13	
1,1-Dichloroethene	ug/L	ND	5.0	02/20/09 09:13	
1,2-Dichlorobenzene	ug/L	ND	5.0	02/20/09 09:13	
1,2-Dichloroethane	ug/L	ND	5.0	02/20/09 09:13	
1,2-Dichloropropane	ug/L	ND	5.0	02/20/09 09:13	
1,3-Dichlorobenzene	ug/L	ND	5.0	02/20/09 09:13	
1,4-Dichlorobenzene	ug/L	ND	5.0	02/20/09 09:13	
2-Chloroethylvinyl ether	ug/L	ND	50.0	02/20/09 09:13	
Benzene	ug/L	ND	5.0	02/20/09 09:13	
Bromodichloromethane	ug/L	ND	5.0	02/20/09 09:13	
Bromoform	ug/L	ND	5.0	02/20/09 09:13	
Bromomethane	ug/L	ND	5.0	02/20/09 09:13	
Carbon tetrachloride	ug/L	ND	5.0	02/20/09 09:13	
Chlorobenzene	ug/L	ND	5.0	02/20/09 09:13	
Chloroethane	ug/L	ND	5.0	02/20/09 09:13	
Chloroform	ug/L	ND	5.0	02/20/09 09:13	
Chloromethane	ug/L	ND	5.0	02/20/09 09:13	
cis-1,3-Dichloropropene	ug/L	ND	5.0	02/20/09 09:13	
Dibromochloromethane	ug/L	ND	5.0	02/20/09 09:13	
Ethylbenzene	ug/L	ND	5.0	02/20/09 09:13	
Methyl-tert-butyl ether	ug/L	ND	5.0	02/20/09 09:13	
Methylene chloride	ug/L	ND	5.0	02/20/09 09:13	
Tetrachloroethene	ug/L	ND	5.0	02/20/09 09:13	
Toluene	ug/L	ND	5.0	02/20/09 09:13	
trans-1,2-Dichloroethene	ug/L	ND	5.0	02/20/09 09:13	
trans-1,3-Dichloropropene	ug/L	ND	5.0	02/20/09 09:13	
Trichloroethene	ug/L	ND	5.0	02/20/09 09:13	
Trichlorofluoromethane	ug/L	ND	5.0	02/20/09 09:13	
Vinyl chloride	ug/L	ND	2.0	02/20/09 09:13	
Xylene (Total)	ug/L	ND	10.0	02/20/09 09:13	
4-Bromofluorobenzene (S)	%	100	82-116	02/20/09 09:13	
Dibromofluoromethane (S)	%	106	88-119	02/20/09 09:13	
Toluene-d8 (S)	%	89	86-112	02/20/09 09:13	

LABORATORY CONTROL SAMPLE: 266599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.3	112	70-130	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023181

LABORATORY CONTROL SAMPLE: 266599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.9	100	68-135	
1,1,2-Trichloroethane	ug/L	20	19.4	97	73-143	
1,1-Dichloroethane	ug/L	20	21.9	110	68-131	
1,1-Dichloroethene	ug/L	20	20.6	103	79-129	
1,2-Dichlorobenzene	ug/L	20	18.5	92	74-132	
1,2-Dichloroethane	ug/L	20	21.9	110	72-144	
1,2-Dichloropropane	ug/L	20	21.6	108	77-131	
1,3-Dichlorobenzene	ug/L	20	18.9	94	73-130	
1,4-Dichlorobenzene	ug/L	20	16.9	85	69-128	
2-Chloroethylvinyl ether	ug/L	20	ND	75	50-150	
Benzene	ug/L	20	20.4	102	70-134	
Bromodichloromethane	ug/L	20	24.2	121	74-126	
Bromoform	ug/L	20	22.1	110	56-138	
Bromomethane	ug/L	20	27.1	136	28-152	
Carbon tetrachloride	ug/L	20	24.9	124	61-144	
Chlorobenzene	ug/L	20	20.2	101	72-126	
Chloroethane	ug/L	20	24.8	124	58-136	
Chloroform	ug/L	20	21.0	105	78-130	
Chloromethane	ug/L	20	20.2	101	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	47-130	
Dibromochloromethane	ug/L	20	22.6	113	71-129	
Ethylbenzene	ug/L	20	19.5	98	65-134	
Methyl-tert-butyl ether	ug/L	40	46.1	115	65-145	
Methylene chloride	ug/L	20	22.6	113	31-171	
Tetrachloroethene	ug/L	20	14.6	73	60-128	
Toluene	ug/L	20	17.9	90	72-132	
trans-1,2-Dichloroethene	ug/L	20	22.4	112	76-134	
trans-1,3-Dichloropropene	ug/L	20	19.9	99	58-122	
Trichloroethene	ug/L	20	21.5	108	47-150	
Trichlorofluoromethane	ug/L	20	21.8	109	51-146	
Vinyl chloride	ug/L	20	20.4	102	67-129	
Xylene (Total)	ug/L	60	58.5	97	63-134	
4-Bromofluorobenzene (S)	%			102	82-116	
Dibromofluoromethane (S)	%			104	88-119	
Toluene-d8 (S)	%			90	86-112	

MATRIX SPIKE SAMPLE: 266600

Parameter	Units	5023181002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	21.1	105	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	16.9	85	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	18.4	92	70-145	
1,1-Dichloroethane	ug/L	ND	20	18.3	91	55-143	
1,1-Dichloroethene	ug/L	ND	20	20.1	101	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	16.0	80	29-156	
1,2-Dichloroethane	ug/L	ND	20	20.6	103	69-145	
1,2-Dichloropropane	ug/L	ND	20	19.7	99	73-133	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19
Pace Project No.: 5023181

MATRIX SPIKE SAMPLE: 266600

Parameter	Units	5023181002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	ND	20	16.7	84	40-149	
1,4-Dichlorobenzene	ug/L	ND	20	14.6	73	38-146	
Benzene	ug/L	ND	20	19.2	96	54-144	
Bromodichloromethane	ug/L	ND	20	21.4	107	65-135	
Bromoform	ug/L	ND	20	18.4	92	47-140	
Bromomethane	ug/L	ND	20	20.2	101	40-160	
Carbon tetrachloride	ug/L	ND	20	22.1	111	50-159	
Chlorobenzene	ug/L	ND	20	17.6	88	29-154	
Chloroethane	ug/L	ND	20	23.4	117	33-176	
Chloroform	ug/L	ND	20	19.6	98	58-147	
Chloromethane	ug/L	ND	20	18.0	90	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	17.4	87	56-114	
Dibromochloromethane	ug/L	ND	20	20.1	101	59-137	
Ethylbenzene	ug/L	ND	20	17.6	88	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	36.7	92	60-158	
Methylene chloride	ug/L	ND	20	20.1	101	30-169	
Tetrachloroethene	ug/L	ND	20	18.3	74	21-156	
Toluene	ug/L	ND	20	18.0	90	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	19.6	98	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	15.7	79	54-117	
Trichloroethene	ug/L	ND	20	20.6	103	21-165	
Trichlorofluoromethane	ug/L	ND	20	22.4	112	42-168	
Vinyl chloride	ug/L	ND	20	19.4	97	60-144	
Xylene (Total)	ug/L	ND	60	51.8	86	30-163	
4-Bromofluorobenzene (S)	%				103	82-116	
Dibromofluoromethane (S)	%				107	88-119	
Toluene-d8 (S)	%				99	86-112	

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QUALIFIERS

Project: AT Outfall IN473.19
Pace Project No.: 5023181

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Compound was reported from the run on MSV2 02/23/09 @13:52. slb02/24/09

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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

KBH

ID # № 08790

SSOW Ref. Code: E027015

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800 Indpls, IN 46204	Copy To: S Fisher
	Invoice To: Corporate
	P.O.: IN000473.0019
Phone: 317 ~~80~~ 231-6500	Project Name: Allison Trans
Fax: x6514	Project Number: IN473.19.5
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: std
QA/QC Requirements:	

5023181

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's meth 624	TPH 0+6 (1664)									Remarks/Lab ID
1.	Outfall_004_Inf(021109)	IN	11Feb09	1200	3		3					3										001
2.	Outfall_004_Eff(021109)	WT	11Feb09	1205	3		3					3										002
3.	Outfall_003(021109)	WT	11Feb09	1225	2			2					2									003
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						
11.																						
12.																						
13.																						
14.																						
15.																						
	TOTAL NUMBER OF CONTAINERS				8																	

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	RAndrzejewski / Arcadis	11Feb09	16:00	Pace	2/11/09	16:00
AIRBILL NO.							

Sample Condition

Temp in °C	9.2
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments: WI Client
Chain 3 / Box MT

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski

Date: 11Feb09

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 # 5023181

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 123456 **Type of Ice:** (Wet) Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 9.2°C **Biological Tissue is Frozen:** Yes (No)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: _____

				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.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☒N/A	6.
Rush Turn Around Time Requested: 2/11.	☒Yes	☐No	☒N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☒Yes	☐No	☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes	☐No	☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☒N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 2/11/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

April 17, 2009

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

RE: Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Dear Ms. Scrocchi:

Enclosed are the analytical results for sample(s) received by the laboratory on April 03, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

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CERTIFICATIONS

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Indiana Certification IDs

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5024949001	**Outfall-004-Influent(040309)**	Water	04/03/09 11:40	04/03/09 14:16
5024949002	**Outfall-004-Effluent(040309)**	Water	04/03/09 11:45	04/03/09 14:16
5024949003	**Outfall-003(040309)**	Water	04/03/09 12:30	04/03/09 14:16

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SAMPLE ANALYTE COUNT

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5024949001	**Outfall-004-Influent(040309)**	EPA 624	AMV	36	PASI-I
5024949002	**Outfall-004-Effluent(040309)**	EPA 624	AMV	36	PASI-I
5024949003	**Outfall-003(040309)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C

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ANALYTICAL RESULTS

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Sample: Outfall-004-Influent(040309) **Lab ID: 5024949001** Collected: 04/03/09 11:40 Received: 04/03/09 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		04/15/09 18:57	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 18:57	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 18:57	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 18:57	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 18:57	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 18:57	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 18:57	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		04/15/09 18:57	110-75-8	
Chloroform	ND	ug/L	5.0	1		04/15/09 18:57	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 18:57	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 18:57	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:57	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:57	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:57	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 18:57	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:57	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 18:57	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 18:57	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		04/15/09 18:57	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 18:57	79-34-5	
Tetrachloroethene	**5350**	ug/L	250	50		04/16/09 15:04	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 18:57	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:57	79-00-5	
Trichloroethene	**119**	ug/L	5.0	1		04/15/09 18:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 18:57	75-69-4	
Vinyl chloride	**2.7**	ug/L	2.0	1		04/15/09 18:57	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/15/09 18:57	1330-20-7	
Dibromofluoromethane (S)	106	%	88-119	1		04/15/09 18:57	1868-53-7	
4-Bromofluorobenzene (S)	108	%	82-116	1		04/15/09 18:57	460-00-4	
Toluene-d8 (S)	117	%	86-112	1		04/15/09 18:57	2037-26-5	S5

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ANALYTICAL RESULTS

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Sample: Outfall-004-Effluent(040309) **Lab ID: 5024949002** Collected: 04/03/09 11:45 Received: 04/03/09 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		04/16/09 15:37	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 15:37	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 15:37	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 15:37	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 15:37	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 15:37	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 15:37	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		04/16/09 15:37	110-75-8	
Chloroform	ND	ug/L	5.0	1		04/16/09 15:37	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 15:37	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 15:37	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:37	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:37	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:37	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 15:37	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 15:37	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 15:37	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 15:37	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 15:37	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 15:37	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 15:37	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 15:37	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 15:37	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		04/16/09 15:37	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 15:37	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 15:37	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 15:37	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 15:37	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 15:37	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 15:37	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 15:37	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 15:37	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/16/09 15:37	1330-20-7	
Dibromofluoromethane (S)	109	%	88-119	1		04/16/09 15:37	1868-53-7	
4-Bromofluorobenzene (S)	102	%	82-116	1		04/16/09 15:37	460-00-4	
Toluene-d8 (S)	108	%	86-112	1		04/16/09 15:37	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

Sample: Outfall-003(040309) **Lab ID: 5024949003** Collected: 04/03/09 12:30 Received: 04/03/09 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	ND	mg/L	5.0	1		04/15/09 12:54		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		04/15/09 12:59		

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QUALITY CONTROL DATA

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

QC Batch: GCSV/5133 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5024949003

METHOD BLANK: 263329 | Matrix: Water
Associated Lab Samples: 5024949003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	04/15/09 12:51	

LABORATORY CONTROL SAMPLE: 263330

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: 263331

Parameter	Units	5024949003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	42.9	103	78-114	

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QUALITY CONTROL DATA

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

QC Batch: GCSV/5134 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5024949003

METHOD BLANK: 263332 | Matrix: Water
Associated Lab Samples: 5024949003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	04/15/09 12:58	

LABORATORY CONTROL SAMPLE: 263333

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: 263334

Parameter	Units	5024949003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	20.0	98	64-132	

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QUALITY CONTROL DATA

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

QC Batch: MSV/15679 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5024949001

METHOD BLANK: 287527 | Matrix: Water
Associated Lab Samples: 5024949001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/15/09 13:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/15/09 13:17	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/15/09 13:17	
1,1-Dichloroethane	ug/L	ND	5.0	04/15/09 13:17	
1,1-Dichloroethene	ug/L	ND	5.0	04/15/09 13:17	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/15/09 13:17	
1,2-Dichloroethane	ug/L	ND	5.0	04/15/09 13:17	
1,2-Dichloropropane	ug/L	ND	5.0	04/15/09 13:17	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/15/09 13:17	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/15/09 13:17	
2-Chloroethylvinyl ether	ug/L	ND	50.0	04/15/09 13:17	
Benzene	ug/L	ND	5.0	04/15/09 13:17	
Bromodichloromethane	ug/L	ND	5.0	04/15/09 13:17	
Bromoform	ug/L	ND	5.0	04/15/09 13:17	
Bromomethane	ug/L	ND	5.0	04/15/09 13:17	
Carbon tetrachloride	ug/L	ND	5.0	04/15/09 13:17	
Chlorobenzene	ug/L	ND	5.0	04/15/09 13:17	
Chloroethane	ug/L	ND	5.0	04/15/09 13:17	
Chloroform	ug/L	ND	5.0	04/15/09 13:17	
Chloromethane	ug/L	ND	5.0	04/15/09 13:17	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/15/09 13:17	
Dibromochloromethane	ug/L	ND	5.0	04/15/09 13:17	
Ethylbenzene	ug/L	ND	5.0	04/15/09 13:17	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/15/09 13:17	
Methylene chloride	ug/L	ND	5.0	04/15/09 13:17	
Tetrachloroethene	ug/L	ND	5.0	04/15/09 13:17	
Toluene	ug/L	ND	5.0	04/15/09 13:17	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/15/09 13:17	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/15/09 13:17	
Trichloroethene	ug/L	ND	5.0	04/15/09 13:17	
Trichlorofluoromethane	ug/L	ND	5.0	04/15/09 13:17	
Vinyl chloride	ug/L	ND	2.0	04/15/09 13:17	
Xylene (Total)	ug/L	ND	10.0	04/15/09 13:17	
4-Bromofluorobenzene (S)	%	103	82-116	04/15/09 13:17	
Dibromofluoromethane (S)	%	107	88-119	04/15/09 13:17	
Toluene-d8 (S)	%	108	86-112	04/15/09 13:17	

LABORATORY CONTROL SAMPLE: 287528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.9	119	70-130	

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QUALITY CONTROL DATA

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

LABORATORY CONTROL SAMPLE: 287528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	25.5	128	68-135	
1,1,2-Trichloroethane	ug/L	20	24.6	123	73-143	
1,1-Dichloroethane	ug/L	20	21.6	108	68-131	
1,1-Dichloroethene	ug/L	20	22.3	111	79-129	
1,2-Dichlorobenzene	ug/L	20	24.8	124	74-132	
1,2-Dichloroethane	ug/L	20	23.8	119	72-144	
1,2-Dichloropropane	ug/L	20	24.7	124	77-131	
1,3-Dichlorobenzene	ug/L	20	24.4	122	73-130	
1,4-Dichlorobenzene	ug/L	20	24.2	121	69-128	
2-Chloroethylvinyl ether	ug/L	20	ND	54	50-150	
Benzene	ug/L	20	22.0	110	70-134	
Bromodichloromethane	ug/L	20	23.4	117	74-126	
Bromoform	ug/L	20	22.6	113	56-138	
Bromomethane	ug/L	20	18.5	93	28-152	
Carbon tetrachloride	ug/L	20	25.2	126	61-144	
Chlorobenzene	ug/L	20	22.2	111	72-126	
Chloroethane	ug/L	20	17.9	89	58-136	
Chloroform	ug/L	20	24.5	123	78-130	
Chloromethane	ug/L	20	16.8	84	23-154	
cis-1,3-Dichloropropene	ug/L	20	21.3	106	47-130	
Dibromochloromethane	ug/L	20	23.5	118	71-129	
Ethylbenzene	ug/L	20	24.0	120	65-134	
Methyl-tert-butyl ether	ug/L	40	48.4	121	65-145	
Methylene chloride	ug/L	20	22.7	113	31-171	
Tetrachloroethene	ug/L	20	18.6	93	60-128	
Toluene	ug/L	20	22.5	112	72-132	
trans-1,2-Dichloroethene	ug/L	20	25.3	127	76-134	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	58-122	
Trichloroethene	ug/L	20	24.2	121	47-150	
Trichlorofluoromethane	ug/L	20	21.0	105	51-146	
Vinyl chloride	ug/L	20	18.9	94	67-129	
Xylene (Total)	ug/L	60	69.2	115	63-134	
4-Bromofluorobenzene (S)	%			101	82-116	
Dibromofluoromethane (S)	%			111	88-119	
Toluene-d8 (S)	%			104	86-112	

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QUALITY CONTROL DATA

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

QC Batch: MSV/15697 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5024949002

METHOD BLANK: 287948 | Matrix: Water
Associated Lab Samples: 5024949002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/16/09 14:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/16/09 14:31	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/16/09 14:31	
1,1-Dichloroethane	ug/L	ND	5.0	04/16/09 14:31	
1,1-Dichloroethene	ug/L	ND	5.0	04/16/09 14:31	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/16/09 14:31	
1,2-Dichloroethane	ug/L	ND	5.0	04/16/09 14:31	
1,2-Dichloropropane	ug/L	ND	5.0	04/16/09 14:31	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/16/09 14:31	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/16/09 14:31	
2-Chloroethylvinyl ether	ug/L	ND	50.0	04/16/09 14:31	
Benzene	ug/L	ND	5.0	04/16/09 14:31	
Bromodichloromethane	ug/L	ND	5.0	04/16/09 14:31	
Bromoform	ug/L	ND	5.0	04/16/09 14:31	
Bromomethane	ug/L	ND	5.0	04/16/09 14:31	
Carbon tetrachloride	ug/L	ND	5.0	04/16/09 14:31	
Chlorobenzene	ug/L	ND	5.0	04/16/09 14:31	
Chloroethane	ug/L	ND	5.0	04/16/09 14:31	
Chloroform	ug/L	ND	5.0	04/16/09 14:31	
Chloromethane	ug/L	ND	5.0	04/16/09 14:31	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 14:31	
Dibromochloromethane	ug/L	ND	5.0	04/16/09 14:31	
Ethylbenzene	ug/L	ND	5.0	04/16/09 14:31	
Methyl-tert-butyl ether	ug/L	ND	5.0	04/16/09 14:31	
Methylene chloride	ug/L	ND	5.0	04/16/09 14:31	
Tetrachloroethene	ug/L	ND	5.0	04/16/09 14:31	
Toluene	ug/L	ND	5.0	04/16/09 14:31	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 14:31	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 14:31	
Trichloroethene	ug/L	ND	5.0	04/16/09 14:31	
Trichlorofluoromethane	ug/L	ND	5.0	04/16/09 14:31	
Vinyl chloride	ug/L	ND	2.0	04/16/09 14:31	
Xylene (Total)	ug/L	ND	10.0	04/16/09 14:31	
4-Bromofluorobenzene (S)	%	103	82-116	04/16/09 14:31	
Dibromofluoromethane (S)	%	106	88-119	04/16/09 14:31	
Toluene-d8 (S)	%	109	86-112	04/16/09 14:31	

LABORATORY CONTROL SAMPLE: 287949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	23.9	119	70-130	

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(317)875-5894

QUALITY CONTROL DATA

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

LABORATORY CONTROL SAMPLE: 287949

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	111	68-135	
1,1,2-Trichloroethane	ug/L	20	23.3	117	73-143	
1,1-Dichloroethane	ug/L	20	22.1	110	68-131	
1,1-Dichloroethene	ug/L	20	23.4	117	79-129	
1,2-Dichlorobenzene	ug/L	20	23.6	118	74-132	
1,2-Dichloroethane	ug/L	20	24.1	120	72-144	
1,2-Dichloropropane	ug/L	20	25.3	126	77-131	
1,3-Dichlorobenzene	ug/L	20	24.0	120	73-130	
1,4-Dichlorobenzene	ug/L	20	23.5	117	69-128	
2-Chloroethylvinyl ether	ug/L	20	ND	51	50-150	
Benzene	ug/L	20	21.7	109	70-134	
Bromodichloromethane	ug/L	20	23.3	117	74-126	
Bromoform	ug/L	20	20.5	102	56-138	
Bromomethane	ug/L	20	13.6	68	28-152	
Carbon tetrachloride	ug/L	20	24.8	124	61-144	
Chlorobenzene	ug/L	20	21.5	108	72-126	
Chloroethane	ug/L	20	25.7	129	58-136	
Chloroform	ug/L	20	23.4	117	78-130	
Chloromethane	ug/L	20	18.7	93	23-154	
cis-1,3-Dichloropropene	ug/L	20	21.9	110	47-130	
Dibromochloromethane	ug/L	20	23.0	115	71-129	
Ethylbenzene	ug/L	20	23.3	117	65-134	
Methyl-tert-butyl ether	ug/L	40	45.0	113	65-145	
Methylene chloride	ug/L	20	23.5	118	31-171	
Tetrachloroethene	ug/L	20	17.3	86	60-128	
Toluene	ug/L	20	22.5	112	72-132	
trans-1,2-Dichloroethene	ug/L	20	25.9	130	76-134	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	58-122	
Trichloroethene	ug/L	20	23.8	119	47-150	
Trichlorofluoromethane	ug/L	20	21.6	108	51-146	
Vinyl chloride	ug/L	20	19.9	100	67-129	
Xylene (Total)	ug/L	60	68.6	114	63-134	
4-Bromofluorobenzene (S)	%			101	82-116	
Dibromofluoromethane (S)	%			111	88-119	
Toluene-d8 (S)	%			106	86-112	

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QUALIFIERS

Project: Allison Outfall IN473.19
Pace Project No.: 5024949

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-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 # № 08786

SSOW Ref. Code: E027018

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St	Copy To: S Fisher
# 800	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: (317) 231-6500	Project Name: Allison Trans
Fax: 46514	Project Number: IN473.19.
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: 3td
QA/QC Requirements:	

5024949

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:	TTOVOC (624)	TPH/OTG (1664)	Remarks/Lab ID
1.	OUTFALL-004-Influent (040309)	IN	4A3Apr09	1140	3		3					3		001
2.	OUTFALL-004-Effluent (040309)	WT	3Apr09	1145	3		3					3		002
3.	OUTFALL-003 (040309)	WT	3Apr09	1230	2		2						2	003
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														
12.														
13.														
14.														
15.														
	TOTAL NUMBER OF CONTAINERS				8									

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	R. Andrzejewski / Arcadis	3Apr09	1416	[signature]	4/3/09	1416
AIRBILL NO.							

Sample Condition

Temp in °C	9.9C WI 8/8 OK [signature]
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

Sampler Name: Robert Andrzejewski

Sampler Signature: [signature] Date: 3Apr09

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 # 5024949

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

Tracking #: _____

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

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

Thermometer Used 123456 Type of Ice: Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 9.9C Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 4/3/09 KC

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.	
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.	
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	6.	
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.	
Sufficient Volume:	☑Yes	☐No	☐N/A	8.	
Correct Containers Used:	☑Yes	☐No	☐N/A	9.	
-Pace Containers Used:	☑Yes	☐No	☐N/A		
Containers Intact:	☑Yes	☐No	☐N/A	10.	
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.	
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.	
-Includes date/time/ID/Analysis Matrix: WT					
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.	
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A		
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No		Initial when completed	Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.	
Trip Blank Present:	☐Yes	☐No	☑N/A	16.	
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A		
Pace Trip Blank Lot # (if purchased): _____					

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4/3/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

May 20, 2009

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

RE: Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on May 07, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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: AT Outfall IN473.19.5
Pace Project No.: 5025938

Indiana Certification IDs

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025938001	**Outfall-003(050609)**	Water	05/06/09 16:15	05/07/09 08:44
5025938002	**Outfall-004-Influent(050609)**	Water	05/06/09 17:00	05/07/09 08:44
5025938003	**Outfall-004-Effluent(050609)**	Water	05/06/09 17:05	05/07/09 08:44

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SAMPLE ANALYTE COUNT

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5025938001	**Outfall-003(050609)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C
5025938002	**Outfall-004-Influent(050609)**	EPA 624	JLF	36	PASI-I
5025938003	**Outfall-004-Effluent(050609)**	EPA 624	JLF	36	PASI-I

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

Sample: Outfall-003(050609) **Lab ID: 5025938001** Collected: 05/06/09 16:15 Received: 05/07/09 08:44 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		05/15/09 09:52		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		05/15/09 09:55		

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

Sample: Outfall-004-Influent(050609) **Lab ID: 5025938002** Collected: 05/06/09 17:00 Received: 05/07/09 08:44 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		05/14/09 18:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/14/09 18:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/14/09 18:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/14/09 18:41	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		05/14/09 18:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/14/09 18:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/14/09 18:41	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		05/14/09 18:41	110-75-8	
Chloroform	ND	ug/L	5.0	1		05/14/09 18:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/14/09 18:41	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/14/09 18:41	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/14/09 18:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/14/09 18:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/14/09 18:41	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/14/09 18:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/14/09 18:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/14/09 18:41	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/14/09 18:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/14/09 18:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/09 18:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/14/09 18:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/14/09 18:41	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		05/14/09 18:41	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		05/14/09 18:41	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/14/09 18:41	79-34-5	
Tetrachloroethene	**8400**	ug/L	500	100		05/15/09 06:09	127-18-4	
Toluene	ND	ug/L	5.0	1		05/14/09 18:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/14/09 18:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/14/09 18:41	79-00-5	
Trichloroethene	**177**	ug/L	5.0	1		05/14/09 18:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/14/09 18:41	75-69-4	
Vinyl chloride	**7.1**	ug/L	2.0	1		05/14/09 18:41	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/14/09 18:41	1330-20-7	
Dibromofluoromethane (S)	90	%	88-119	1		05/14/09 18:41	1868-53-7	
4-Bromofluorobenzene (S)	90	%	82-116	1		05/14/09 18:41	460-00-4	
Toluene-d8 (S)	100	%	86-112	1		05/14/09 18:41	2037-26-5	

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ANALYTICAL RESULTS

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

Sample: Outfall-004-Effluent(050609) **Lab ID: 5025938003** Collected: 05/06/09 17:05 Received: 05/07/09 08:44 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		05/15/09 05:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		05/15/09 05:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		05/15/09 05:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		05/15/09 05:40	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		05/15/09 05:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		05/15/09 05:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		05/15/09 05:40	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		05/15/09 05:40	110-75-8	
Chloroform	ND	ug/L	5.0	1		05/15/09 05:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		05/15/09 05:40	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		05/15/09 05:40	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		05/15/09 05:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		05/15/09 05:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		05/15/09 05:40	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		05/15/09 05:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		05/15/09 05:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		05/15/09 05:40	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		05/15/09 05:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		05/15/09 05:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/09 05:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		05/15/09 05:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		05/15/09 05:40	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		05/15/09 05:40	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		05/15/09 05:40	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		05/15/09 05:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		05/15/09 05:40	127-18-4	
Toluene	ND	ug/L	5.0	1		05/15/09 05:40	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		05/15/09 05:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		05/15/09 05:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		05/15/09 05:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		05/15/09 05:40	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		05/15/09 05:40	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		05/15/09 05:40	1330-20-7	
Dibromofluoromethane (S)	96	%	88-119	1		05/15/09 05:40	1868-53-7	
4-Bromofluorobenzene (S)	94	%	82-116	1		05/15/09 05:40	460-00-4	
Toluene-d8 (S)	103	%	86-112	1		05/15/09 05:40	2037-26-5	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

QC Batch: GCSV/5366 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5025938001

METHOD BLANK: 279401 | Matrix: Water
Associated Lab Samples: 5025938001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	05/15/09 09:44	

LABORATORY CONTROL SAMPLE: 279402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	37.0	92	78-114	

MATRIX SPIKE SAMPLE: 279404

Parameter	Units	9243490001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	36.4	89	78-114	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

QC Batch: GCSV/5367 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5025938001

METHOD BLANK: 279405 | Matrix: Water
Associated Lab Samples: 5025938001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	05/15/09 09:55	

LABORATORY CONTROL SAMPLE: 279406

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: 279407

Parameter	Units	9243490001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	20.7	102	64-132	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

QC Batch: MSV/16179 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5025938002

METHOD BLANK: 297590 | Matrix: Water
Associated Lab Samples: 5025938002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/14/09 18:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/14/09 18:11	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/14/09 18:11	
1,1-Dichloroethane	ug/L	ND	5.0	05/14/09 18:11	
1,1-Dichloroethene	ug/L	ND	5.0	05/14/09 18:11	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/14/09 18:11	
1,2-Dichloroethane	ug/L	ND	5.0	05/14/09 18:11	
1,2-Dichloropropane	ug/L	ND	5.0	05/14/09 18:11	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/14/09 18:11	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/14/09 18:11	
2-Chloroethylvinyl ether	ug/L	ND	50.0	05/14/09 18:11	
Benzene	ug/L	ND	5.0	05/14/09 18:11	
Bromodichloromethane	ug/L	ND	5.0	05/14/09 18:11	
Bromoform	ug/L	ND	5.0	05/14/09 18:11	
Bromomethane	ug/L	ND	5.0	05/14/09 18:11	
Carbon tetrachloride	ug/L	ND	5.0	05/14/09 18:11	
Chlorobenzene	ug/L	ND	5.0	05/14/09 18:11	
Chloroethane	ug/L	ND	5.0	05/14/09 18:11	
Chloroform	ug/L	ND	5.0	05/14/09 18:11	
Chloromethane	ug/L	ND	5.0	05/14/09 18:11	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/14/09 18:11	
Dibromochloromethane	ug/L	ND	5.0	05/14/09 18:11	
Ethylbenzene	ug/L	ND	5.0	05/14/09 18:11	
Methyl-tert-butyl ether	ug/L	ND	5.0	05/14/09 18:11	
Methylene chloride	ug/L	ND	5.0	05/14/09 18:11	
Tetrachloroethene	ug/L	ND	5.0	05/14/09 18:11	
Toluene	ug/L	ND	5.0	05/14/09 18:11	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/14/09 18:11	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/14/09 18:11	
Trichloroethene	ug/L	ND	5.0	05/14/09 18:11	
Trichlorofluoromethane	ug/L	ND	5.0	05/14/09 18:11	
Vinyl chloride	ug/L	ND	2.0	05/14/09 18:11	
Xylene (Total)	ug/L	ND	10.0	05/14/09 18:11	
4-Bromofluorobenzene (S)	%	90	82-116	05/14/09 18:11	
Dibromofluoromethane (S)	%	93	88-119	05/14/09 18:11	
Toluene-d8 (S)	%	99	86-112	05/14/09 18:11	

LABORATORY CONTROL SAMPLE: 297591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.6	98	70-130	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

LABORATORY CONTROL SAMPLE: 297591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	91	68-135	
1,1,2-Trichloroethane	ug/L	20	20.2	101	73-143	
1,1-Dichloroethane	ug/L	20	17.3	86	68-131	
1,1-Dichloroethene	ug/L	20	20.0	100	79-129	
1,2-Dichlorobenzene	ug/L	20	18.4	92	74-132	
1,2-Dichloroethane	ug/L	20	18.4	92	72-144	
1,2-Dichloropropane	ug/L	20	18.3	91	77-131	
1,3-Dichlorobenzene	ug/L	20	18.7	93	73-130	
1,4-Dichlorobenzene	ug/L	20	18.5	93	69-128	
2-Chloroethylvinyl ether	ug/L	20	ND	92	50-150	
Benzene	ug/L	20	18.2	91	70-134	
Bromodichloromethane	ug/L	20	19.4	97	74-126	
Bromoform	ug/L	20	18.9	94	56-138	
Bromomethane	ug/L	20	13.3	67	28-152	
Carbon tetrachloride	ug/L	20	19.7	99	61-144	
Chlorobenzene	ug/L	20	18.6	93	72-126	
Chloroethane	ug/L	20	22.7	114	58-136	
Chloroform	ug/L	20	18.0	90	78-130	
Chloromethane	ug/L	20	12.7	63	23-154	
cis-1,3-Dichloropropene	ug/L	20	18.3	92	47-130	
Dibromochloromethane	ug/L	20	19.7	99	71-129	
Ethylbenzene	ug/L	20	20.2	101	65-134	
Methyl-tert-butyl ether	ug/L	40	40.6	101	65-145	
Methylene chloride	ug/L	20	18.7	94	31-171	
Tetrachloroethene	ug/L	20	17.6	88	60-128	
Toluene	ug/L	20	21.1	106	72-132	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	76-134	
trans-1,3-Dichloropropene	ug/L	20	16.5	83	58-122	
Trichloroethene	ug/L	20	18.9	94	47-150	
Trichlorofluoromethane	ug/L	20	21.7	109	51-146	
Vinyl chloride	ug/L	20	18.3	91	67-129	
Xylene (Total)	ug/L	60	61.6	103	63-134	
4-Bromofluorobenzene (S)	%			94	82-116	
Dibromofluoromethane (S)	%			97	88-119	
Toluene-d8 (S)	%			101	86-112	

MATRIX SPIKE SAMPLE: 297592

Parameter	Units	5025930004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	19.5	97	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	17.8	89	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	18.9	95	70-145	
1,1-Dichloroethane	ug/L	ND	20	17.6	88	55-143	
1,1-Dichloroethene	ug/L	ND	20	20.7	103	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	16.9	84	29-156	
1,2-Dichloroethane	ug/L	ND	20	19.1	96	69-145	
1,2-Dichloropropane	ug/L	ND	20	18.8	94	73-133	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

MATRIX SPIKE SAMPLE: 297592

Parameter	Units	5025930004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	ND	20	17.3	87	40-149	
1,4-Dichlorobenzene	ug/L	ND	20	16.5	83	38-146	
Benzene	ug/L	ND	20	17.8	89	54-144	
Bromodichloromethane	ug/L	ND	20	19.3	97	65-135	
Bromoform	ug/L	ND	20	18.6	93	47-140	
Bromomethane	ug/L	ND	20	17.9	89	40-160	
Carbon tetrachloride	ug/L	ND	20	19.2	96	50-159	
Chlorobenzene	ug/L	ND	20	18.0	90	29-154	
Chloroethane	ug/L	ND	20	23.9	119	33-176	
Chloroform	ug/L	ND	20	18.6	93	58-147	
Chloromethane	ug/L	ND	20	14.1	71	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	17.6	88	56-114	
Dibromochloromethane	ug/L	ND	20	19.3	96	59-137	
Ethylbenzene	ug/L	ND	20	17.7	89	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	38.1	95	60-158	
Methylene chloride	ug/L	ND	20	18.3	91	30-169	
Tetrachloroethene	ug/L	ND	20	16.7	83	21-156	
Toluene	ug/L	ND	20	19.7	99	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	20.2	101	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	15.5	78	54-117	
Trichloroethene	ug/L	ND	20	18.6	93	21-165	
Trichlorofluoromethane	ug/L	ND	20	21.4	107	42-168	
Vinyl chloride	ug/L	ND	20	19.5	98	60-144	
Xylene (Total)	ug/L	ND	60	54.8	91	30-163	
4-Bromofluorobenzene (S)	%				90	82-116	
Dibromofluoromethane (S)	%				97	88-119	
Toluene-d8 (S)	%				101	86-112	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

QC Batch: MSV/16206 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5025938003

METHOD BLANK: 298298 | Matrix: Water
Associated Lab Samples: 5025938003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	05/15/09 05:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	05/15/09 05:10	
1,1,2-Trichloroethane	ug/L	ND	5.0	05/15/09 05:10	
1,1-Dichloroethane	ug/L	ND	5.0	05/15/09 05:10	
1,1-Dichloroethene	ug/L	ND	5.0	05/15/09 05:10	
1,2-Dichlorobenzene	ug/L	ND	5.0	05/15/09 05:10	
1,2-Dichloroethane	ug/L	ND	5.0	05/15/09 05:10	
1,2-Dichloropropane	ug/L	ND	5.0	05/15/09 05:10	
1,3-Dichlorobenzene	ug/L	ND	5.0	05/15/09 05:10	
1,4-Dichlorobenzene	ug/L	ND	5.0	05/15/09 05:10	
2-Chloroethylvinyl ether	ug/L	ND	50.0	05/15/09 05:10	
Benzene	ug/L	ND	5.0	05/15/09 05:10	
Bromodichloromethane	ug/L	ND	5.0	05/15/09 05:10	
Bromoform	ug/L	ND	5.0	05/15/09 05:10	
Bromomethane	ug/L	ND	5.0	05/15/09 05:10	
Carbon tetrachloride	ug/L	ND	5.0	05/15/09 05:10	
Chlorobenzene	ug/L	ND	5.0	05/15/09 05:10	
Chloroethane	ug/L	ND	5.0	05/15/09 05:10	
Chloroform	ug/L	ND	5.0	05/15/09 05:10	
Chloromethane	ug/L	ND	5.0	05/15/09 05:10	
cis-1,3-Dichloropropene	ug/L	ND	5.0	05/15/09 05:10	
Dibromochloromethane	ug/L	ND	5.0	05/15/09 05:10	
Ethylbenzene	ug/L	ND	5.0	05/15/09 05:10	
Methyl-tert-butyl ether	ug/L	ND	5.0	05/15/09 05:10	
Methylene chloride	ug/L	ND	5.0	05/15/09 05:10	
Tetrachloroethene	ug/L	ND	5.0	05/15/09 05:10	
Toluene	ug/L	ND	5.0	05/15/09 05:10	
trans-1,2-Dichloroethene	ug/L	ND	5.0	05/15/09 05:10	
trans-1,3-Dichloropropene	ug/L	ND	5.0	05/15/09 05:10	
Trichloroethene	ug/L	ND	5.0	05/15/09 05:10	
Trichlorofluoromethane	ug/L	ND	5.0	05/15/09 05:10	
Vinyl chloride	ug/L	ND	2.0	05/15/09 05:10	
Xylene (Total)	ug/L	ND	10.0	05/15/09 05:10	
4-Bromofluorobenzene (S)	%	94	82-116	05/15/09 05:10	
Dibromofluoromethane (S)	%	99	88-119	05/15/09 05:10	
Toluene-d8 (S)	%	92	86-112	05/15/09 05:10	

LABORATORY CONTROL SAMPLE: 298299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	19.7	99	70-130	

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QUALITY CONTROL DATA

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

LABORATORY CONTROL SAMPLE: 298299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.5	98	68-135	
1,1,2-Trichloroethane	ug/L	20	19.6	98	73-143	
1,1-Dichloroethane	ug/L	20	16.8	84	68-131	
1,1-Dichloroethene	ug/L	20	20.6	103	79-129	
1,2-Dichlorobenzene	ug/L	20	19.2	96	74-132	
1,2-Dichloroethane	ug/L	20	20.4	102	72-144	
1,2-Dichloropropane	ug/L	20	18.9	94	77-131	
1,3-Dichlorobenzene	ug/L	20	18.5	92	73-130	
1,4-Dichlorobenzene	ug/L	20	18.5	93	69-128	
2-Chloroethylvinyl ether	ug/L	20	ND	96	50-150	
Benzene	ug/L	20	18.6	93	70-134	
Bromodichloromethane	ug/L	20	19.8	99	74-126	
Bromoform	ug/L	20	18.9	94	56-138	
Bromomethane	ug/L	20	23.0	115	28-152	
Carbon tetrachloride	ug/L	20	20.7	103	61-144	
Chlorobenzene	ug/L	20	18.5	93	72-126	
Chloroethane	ug/L	20	20.8	104	58-136	
Chloroform	ug/L	20	19.0	95	78-130	
Chloromethane	ug/L	20	19.4	97	23-154	
cis-1,3-Dichloropropene	ug/L	20	19.9	100	47-130	
Dibromochloromethane	ug/L	20	20.6	103	71-129	
Ethylbenzene	ug/L	20	18.7	94	65-134	
Methyl-tert-butyl ether	ug/L	40	38.5	96	65-145	
Methylene chloride	ug/L	20	19.9	100	31-171	
Tetrachloroethene	ug/L	20	17.8	89	60-128	
Toluene	ug/L	20	18.1	90	72-132	
trans-1,2-Dichloroethene	ug/L	20	20.4	102	76-134	
trans-1,3-Dichloropropene	ug/L	20	17.1	85	58-122	
Trichloroethene	ug/L	20	19.7	98	47-150	
Trichlorofluoromethane	ug/L	20	23.7	119	51-146	
Vinyl chloride	ug/L	20	19.5	97	67-129	
Xylene (Total)	ug/L	60	57.4	96	63-134	
4-Bromofluorobenzene (S)	%			94	82-116	
Dibromofluoromethane (S)	%			95	88-119	
Toluene-d8 (S)	%			91	86-112	

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QUALIFIERS

Project: AT Outfall IN473.19.5
Pace Project No.: 5025938

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

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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

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indpls, IN 46204	P.O.: IN000473.0019
Phone: 317 231-6500	Project Name: ATCD ATCPLE
Fax: x6514	Project Number: IN473.19.5
E-mail: emoosbrugger@arcadis-us.com	

Laboratory: Pace Analytical	
Laboratory Location: Indpls, IN	
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

ID # № 08782

SSOW Ref. Code: E027018

502 5938

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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	TTO Voc (624)	TPH 046 (1664)	Remarks/Lab ID
1. Outfall-003(050609)	WT	6May09	1615	2		2						2	001
2. Outfall-004-Inflvent (050609)	IN	↓	1700	3		3					3		002
3. Outfall-004-Efflvent (050609)	WT	↓	1705	3		3					3		003
4.													
5.													
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
TOTAL NUMBER OF CONTAINERS				8									

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	2	R. Andrzejewski/Arcadis	~~6May09~~ 7May09	0843	[illegible]	5/7/09	0844
AIRBILL NO.							

Sample Condition

Temp in °C	3.4
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments:

WI Client del.

Sampler Name: Robert Andrzejewski

Sampler Signature: Robert L Andrzejewski

Date: 6May09

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 # 6025938

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.4C **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 5/7/09 [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.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☐No	☑N/A	16.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 5/7/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Sample Container Count

CLIENT: ARCADIS

COC PAGE 1 of 1

COC ID# 08782

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5025938

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

Container Codes

DG9H	40mL HCL voa vial
AG1U	1liter unpreserved amber glass
WGFU	4oz clear soil jar
R	terra core kit
BP2N	500mL HNO3 plastic
BP2U	500mL unpreserved plastic
BP2S	500mL H2SO4 plastic
BP3N	250mL HNO3 plastic
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
AG3S	250mL H2SO4 glass amber
AG1S	1 liter H2SO4 amber glass
BP1U	1 liter unpreserved plastic

Pace Analytical Services, Inc.
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Indianapolis, IN 46268
(317)875-5894

July 01, 2009

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

RE: Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Indiana Certification IDs

Ohio VAP: CL0065
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Pennsylvania: 68-00791
West Virginia Certification #: 330

Charlotte Certification IDs

Connecticut Certification #: PH-0104
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana/LELAP Certification #: 04034
New Jersey Certification #: NC012
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
Pennsylvania Certification #: 68-00784
South Carolina Certification #: 990060001
South Carolina Drinking Water Cert. #: 990060003
Tennessee Certification #: 04010
Virginia Certification #: 00213
West Virginia Certification #: 357

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SAMPLE SUMMARY

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5027335001	**Outfall-003(061609)**	Water	06/16/09 14:00	06/17/09 08:33
5027335002	**Outfall-004-Influent(061609)**	Water	06/16/09 17:00	06/17/09 08:33
5027335003	**Outfall-004-Effluent(061609)**	Water	06/16/09 17:05	06/17/09 08:33

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SAMPLE ANALYTE COUNT

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5027335001	**Outfall-003(061609)**	EPA 1664A	DNP	1	PASI-C
		EPA 1664A	DNP	1	PASI-C
5027335002	**Outfall-004-Influent(061609)**	EPA 624	AMV	36	PASI-I
5027335003	**Outfall-004-Effluent(061609)**	EPA 624	AMV	36	PASI-I

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ANALYTICAL RESULTS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Sample: Outfall-003(061609) **Lab ID: 5027335001** Collected: 06/16/09 14:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
HEM, Oil and Grease	Analytical Method: EPA 1664A							
Oil and Grease	ND	mg/L	5.0	1		06/28/09 12:51		
1664 SGT-HEM, TPH	Analytical Method: EPA 1664A							
Total Petroleum Hydrocarbons	ND	mg/L	5.0	1		06/28/09 12:58		

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ANALYTICAL RESULTS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Sample: Outfall-004-Influent(061609) **Lab ID: 5027335002** Collected: 06/16/09 17:00 Received: 06/17/09 08:33 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 Volatile Organics	Analytical Method: EPA 624							
Benzene	ND	ug/L	50.0	10		06/27/09 13:29	71-43-2	1d
Bromodichloromethane	ND	ug/L	50.0	10		06/27/09 13:29	75-27-4	
Bromoform	ND	ug/L	50.0	10		06/27/09 13:29	75-25-2	
Bromomethane	ND	ug/L	50.0	10		06/27/09 13:29	74-83-9	
Carbon tetrachloride	ND	ug/L	50.0	10		06/27/09 13:29	56-23-5	
Chlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	108-90-7	
Chloroethane	ND	ug/L	50.0	10		06/27/09 13:29	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	500	10		06/27/09 13:29	110-75-8	
Chloroform	ND	ug/L	50.0	10		06/27/09 13:29	67-66-3	
Chloromethane	ND	ug/L	50.0	10		06/27/09 13:29	74-87-3	
Dibromochloromethane	ND	ug/L	50.0	10		06/27/09 13:29	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	10		06/27/09 13:29	106-46-7	
1,1-Dichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		06/27/09 13:29	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		06/27/09 13:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	50.0	10		06/27/09 13:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	50.0	10		06/27/09 13:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	50.0	10		06/27/09 13:29	10061-02-6	
Ethylbenzene	ND	ug/L	50.0	10		06/27/09 13:29	100-41-4	
Methylene chloride	ND	ug/L	50.0	10		06/27/09 13:29	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	50.0	10		06/27/09 13:29	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	10		06/27/09 13:29	79-34-5	
Tetrachloroethene	**6550**	ug/L	500	100		06/27/09 14:04	127-18-4	
Toluene	ND	ug/L	50.0	10		06/27/09 13:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	10		06/27/09 13:29	79-00-5	
Trichloroethene	**105**	ug/L	50.0	10		06/27/09 13:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	10		06/27/09 13:29	75-69-4	
Vinyl chloride	ND	ug/L	20.0	10		06/27/09 13:29	75-01-4	2d,D4
Xylene (Total)	ND	ug/L	100	10		06/27/09 13:29	1330-20-7	
Dibromofluoromethane (S)	101	%	88-119	10		06/27/09 13:29	1868-53-7	
4-Bromofluorobenzene (S)	91	%	82-116	10		06/27/09 13:29	460-00-4	
Toluene-d8 (S)	99	%	86-112	10		06/27/09 13:29	2037-26-5	

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ANALYTICAL RESULTS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

Sample: Outfall-004-Effluent(061609) **Lab ID: 5027335003** Collected: 06/16/09 17:05 Received: 06/17/09 08:33 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		06/27/09 15:13	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		06/27/09 15:13	75-27-4	
Bromoform	ND	ug/L	5.0	1		06/27/09 15:13	75-25-2	
Bromomethane	ND	ug/L	5.0	1		06/27/09 15:13	74-83-9	
Carbon tetrachloride	ND	ug/L	5.0	1		06/27/09 15:13	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	108-90-7	
Chloroethane	ND	ug/L	5.0	1		06/27/09 15:13	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	50.0	1		06/27/09 15:13	110-75-8	
Chloroform	ND	ug/L	5.0	1		06/27/09 15:13	67-66-3	
Chloromethane	ND	ug/L	5.0	1		06/27/09 15:13	74-87-3	
Dibromochloromethane	ND	ug/L	5.0	1		06/27/09 15:13	124-48-1	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		06/27/09 15:13	106-46-7	
1,1-Dichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		06/27/09 15:13	75-35-4	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		06/27/09 15:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		06/27/09 15:13	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 15:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		06/27/09 15:13	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		06/27/09 15:13	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		06/27/09 15:13	75-09-2	
Methyl-tert-butyl ether	ND	ug/L	5.0	1		06/27/09 15:13	1634-04-4	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		06/27/09 15:13	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		06/27/09 15:13	127-18-4	
Toluene	ND	ug/L	5.0	1		06/27/09 15:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		06/27/09 15:13	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		06/27/09 15:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		06/27/09 15:13	75-69-4	
Vinyl chloride	ND	ug/L	2.0	1		06/27/09 15:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		06/27/09 15:13	1330-20-7	
Dibromofluoromethane (S)	104	%	88-119	1		06/27/09 15:13	1868-53-7	
4-Bromofluorobenzene (S)	91	%	82-116	1		06/27/09 15:13	460-00-4	
Toluene-d8 (S)	97	%	86-112	1		06/27/09 15:13	2037-26-5	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

QC Batch: GCSV/5683 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 HEM, Oil and Grease
Associated Lab Samples: 5027335001

METHOD BLANK: 300963 | Matrix: Water
Associated Lab Samples: 5027335001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Oil and Grease	mg/L	ND	5.0	06/28/09 12:45	

LABORATORY CONTROL SAMPLE: 300964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	40	40.3	101	78-114	

MATRIX SPIKE SAMPLE: 300965

Parameter	Units	9246749001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Oil and Grease	mg/L	ND	40	43.1	99	78-114	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

QC Batch: GCSV/5684 | Analysis Method: EPA 1664A
QC Batch Method: EPA 1664A | Analysis Description: 1664 SGT-HEM, TPH
Associated Lab Samples: 5027335001

METHOD BLANK: 300966 | Matrix: Water
Associated Lab Samples: 5027335001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	5.0	06/28/09 12:53	

LABORATORY CONTROL SAMPLE: 300967

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: 300968

Parameter	Units	9246749001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Petroleum Hydrocarbons	mg/L	ND	20	22.3	98	64-132	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

QC Batch: MSV/17040 | Analysis Method: EPA 624
QC Batch Method: EPA 624 | Analysis Description: 624 MSV
Associated Lab Samples: 5027335002, 5027335003

METHOD BLANK: 315966 | Matrix: Water
Associated Lab Samples: 5027335002, 5027335003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1,2-Trichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,1-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloroethane	ug/L	ND	5.0	06/27/09 12:55	
1,2-Dichloropropane	ug/L	ND	5.0	06/27/09 12:55	
1,3-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
1,4-Dichlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
2-Chloroethylvinyl ether	ug/L	ND	50.0	06/27/09 12:55	
Benzene	ug/L	ND	5.0	06/27/09 12:55	
Bromodichloromethane	ug/L	ND	5.0	06/27/09 12:55	
Bromoform	ug/L	ND	5.0	06/27/09 12:55	
Bromomethane	ug/L	ND	5.0	06/27/09 12:55	
Carbon tetrachloride	ug/L	ND	5.0	06/27/09 12:55	
Chlorobenzene	ug/L	ND	5.0	06/27/09 12:55	
Chloroethane	ug/L	ND	5.0	06/27/09 12:55	
Chloroform	ug/L	ND	5.0	06/27/09 12:55	
Chloromethane	ug/L	ND	5.0	06/27/09 12:55	
cis-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Dibromochloromethane	ug/L	ND	5.0	06/27/09 12:55	
Ethylbenzene	ug/L	ND	5.0	06/27/09 12:55	
Methyl-tert-butyl ether	ug/L	ND	5.0	06/27/09 12:55	
Methylene chloride	ug/L	ND	5.0	06/27/09 12:55	
Tetrachloroethene	ug/L	ND	5.0	06/27/09 12:55	
Toluene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,2-Dichloroethene	ug/L	ND	5.0	06/27/09 12:55	
trans-1,3-Dichloropropene	ug/L	ND	5.0	06/27/09 12:55	
Trichloroethene	ug/L	ND	5.0	06/27/09 12:55	
Trichlorofluoromethane	ug/L	ND	5.0	06/27/09 12:55	
Vinyl chloride	ug/L	ND	2.0	06/27/09 12:55	
Xylene (Total)	ug/L	ND	10.0	06/27/09 12:55	
4-Bromofluorobenzene (S)	%	90	82-116	06/27/09 12:55	
Dibromofluoromethane (S)	%	102	88-119	06/27/09 12:55	
Toluene-d8 (S)	%	98	86-112	06/27/09 12:55	

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.2	111	70-130	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

LABORATORY CONTROL SAMPLE: 315967

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	19.7	98	68-135	
1,1,2-Trichloroethane	ug/L	20	21.9	110	73-143	
1,1-Dichloroethane	ug/L	20	21.0	105	68-131	
1,1-Dichloroethene	ug/L	20	23.4	117	79-129	
1,2-Dichlorobenzene	ug/L	20	21.2	106	74-132	
1,2-Dichloroethane	ug/L	20	23.9	120	72-144	
1,2-Dichloropropane	ug/L	20	21.3	106	77-131	
1,3-Dichlorobenzene	ug/L	20	22.2	111	73-130	
1,4-Dichlorobenzene	ug/L	20	21.5	107	69-128	
Benzene	ug/L	20	20.7	104	70-134	
Bromodichloromethane	ug/L	20	20.5	102	74-126	
Bromoform	ug/L	20	19.7	99	56-138	
Bromomethane	ug/L	20	33.2	166	28-152	L3
Carbon tetrachloride	ug/L	20	23.0	115	61-144	
Chlorobenzene	ug/L	20	21.0	105	72-126	
Chloroethane	ug/L	20	25.1	125	58-136	
Chloroform	ug/L	20	22.9	114	78-130	
Chloromethane	ug/L	20	21.3	107	23-154	
cis-1,3-Dichloropropene	ug/L	20	20.1	100	47-130	
Dibromochloromethane	ug/L	20	22.0	110	71-129	
Ethylbenzene	ug/L	20	22.0	110	65-134	
Methyl-tert-butyl ether	ug/L	40	45.8	115	65-145	
Methylene chloride	ug/L	20	21.9	110	31-171	
Tetrachloroethene	ug/L	20	22.2	111	60-128	
Toluene	ug/L	20	21.2	106	72-132	
trans-1,2-Dichloroethene	ug/L	20	24.4	122	76-134	
trans-1,3-Dichloropropene	ug/L	20	18.4	92	58-122	
Trichloroethene	ug/L	20	23.0	115	47-150	
Trichlorofluoromethane	ug/L	20	19.3	96	51-146	
Vinyl chloride	ug/L	20	22.0	110	67-129	
Xylene (Total)	ug/L	60	67.2	112	63-134	
4-Bromofluorobenzene (S)	%			90	82-116	
Dibromofluoromethane (S)	%			104	88-119	
Toluene-d8 (S)	%			94	86-112	

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	20	23.6	118	50-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.0	100	69-136	
1,1,2-Trichloroethane	ug/L	ND	20	21.9	110	70-145	
1,1-Dichloroethane	ug/L	ND	20	21.4	107	55-143	
1,1-Dichloroethene	ug/L	ND	20	25.0	125	63-146	
1,2-Dichlorobenzene	ug/L	ND	20	21.3	106	29-156	
1,2-Dichloroethane	ug/L	ND	20	22.2	111	69-145	
1,2-Dichloropropane	ug/L	ND	20	21.9	109	73-133	
1,3-Dichlorobenzene	ug/L	ND	20	22.3	111	40-149	

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QUALITY CONTROL DATA

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

MATRIX SPIKE SAMPLE: 315968

Parameter	Units	5027533001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	20	21.5	108	38-146	
Benzene	ug/L	ND	20	21.1	105	54-144	
Bromodichloromethane	ug/L	ND	20	20.3	101	65-135	
Bromoform	ug/L	ND	20	19.2	96	47-140	
Bromomethane	ug/L	ND	20	24.1	121	40-160	
Carbon tetrachloride	ug/L	ND	20	23.7	118	50-159	
Chlorobenzene	ug/L	ND	20	21.1	106	29-154	
Chloroethane	ug/L	ND	20	33.0	165	33-176	
Chloroform	ug/L	ND	20	24.1	121	58-147	
Chloromethane	ug/L	ND	20	21.8	109	31-153	
cis-1,3-Dichloropropene	ug/L	ND	20	19.3	96	56-114	
Dibromochloromethane	ug/L	ND	20	21.9	110	59-137	
Ethylbenzene	ug/L	ND	20	22.8	114	28-160	
Methyl-tert-butyl ether	ug/L	ND	40	45.7	114	60-158	
Methylene chloride	ug/L	ND	20	20.1	101	30-169	
Tetrachloroethene	ug/L	ND	20	22.4	112	21-156	
Toluene	ug/L	ND	20	22.0	110	37-154	
trans-1,2-Dichloroethene	ug/L	ND	20	25.2	126	59-149	
trans-1,3-Dichloropropene	ug/L	ND	20	17.4	87	54-117	
Trichloroethene	ug/L	ND	20	23.5	118	21-165	
Trichlorofluoromethane	ug/L	ND	20	20.1	100	42-168	
Vinyl chloride	ug/L	ND	20	23.8	119	60-144	
Xylene (Total)	ug/L	ND	60	68.9	115	30-163	
4-Bromofluorobenzene (S)	%				91	82-116	
Dibromofluoromethane (S)	%				104	88-119	
Toluene-d8 (S)	%				96	86-112	

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QUALIFIERS

Project: ATD Outfall IN000473.0019
Pace Project No.: 5027335

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.

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.

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

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

LABORATORIES

PASI-C	Pace Analytical Services - Charlotte
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Benzene evaluated to 6.2 ug/L per MDL. AMV 6-28-09
2d	evaluated to 3.8 ug/L per MDL. AMV 6-28-09
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.

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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 08780

Required Client Information:

Company: Arcadis	Report To: E Moosbrugger
Address: 251 E Ohio St #800	Copy To: S Fisher
	Invoice To: Corporate
Indianapolis, IN 46204	P.O.: IN000473.0019
Phone: 317-236-6500	Project Name: GTD
Fax: x 6514	Project Number: IN000473.0019
E-mail: emoosbrugger@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indpls, IN
Laboratory Contact:	
Requested Due Date:	TAT: Std
QA/QC Requirements:	

SSOW Ref. Code: E027018

E027020 per Sue 6/23/09

5027335

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	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	TPH/OTG (1664)	TTO VOC (624)										Remarks/Lab ID
1.	OUTFALL-003 (061609)	WT	16Jun09	1400	2		2					2											001
2.	OUTFALL-004-Inflwent (061609)	IN	16Jun09	1700	3		3						3										002
3.	OUTFALL-004-Effluent (061609)	WT	16Jun09	1705	3		3						3										003
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
11.																							
12.																							
13.																							
14.																							
15.																							
	TOTAL NUMBER OF CONTAINERS				8																		

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
Hand Carry	1	Rob Andrzejewski / Arcadis	17Jun09	0833	[illegible] / PACE	6/17/09	0833
AIRBILL NO.							

Sample Condition

Temp in °C	2.9
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

KLI Client add.

Sampler Name: Rob Andrzejewski

Sampler Signature: Robert L Andrzejewski Date: 17Jun09

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 # 5027335

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

Optional
Proj. Due Date:
Proj. Name:

Tracking #: _____

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

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

Thermometer Used 123456 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.9 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: _____

		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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☑Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☐No ☑N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 6/17/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Sample Container Count

CLIENT: ARCADIS

COC PAGE 1 of 1
COC ID# 08780

Project # 5027335

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

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	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 gl	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 gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOh, Asc Acid plastic	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 gla	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.
7726 Moller Road
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April 15, 2009

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

RE: Project: Allison IN473.20.4
Pace Project No.: 5025055

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 08, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures

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Phone: 317.875.5894
Fax: 317.872.6189

April 16, 2009

Case Narrative- Level Project Review
Project 5025055(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 'DF'. 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 8260

The Laboratory control samples listed on pages 49-50 and 57-58 have one footnote (L3) indicating 1,1,2-Trichlorotrifluoroethane was above the laboratory control limits. Associated samples are unaffected by the high bias. The project specific matrix spike listed on pages 58-59 for sample 5025055003 has one footnote (M0) indicating one compound was outside the laboratory control limits. All other quality control indicators for this project (method blank, LCS and matrix spike results) are within laboratory acceptance limits.

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

The review of this project and the associated case narrative are part of a review process for final reports that require a complete set of data deliverables. This process is completed by a member of the Quality Department as part of Pace Analytical's Indiana state requirements.

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SAMPLE SUMMARY

Project: Allison IN473.20.4
Pace Project No.: 5025055

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025055001	**TB-1(040609)-TK**	Water	04/06/09 09:00	04/08/09 09:55
5025055002	**MW-0818-S3(040609)**	Water	04/06/09 11:00	04/08/09 09:55
5025055003	**MW-0102-S2B(040609)**	Water	04/06/09 12:20	04/08/09 09:55
5025055004	**MW-0421-S2(040609)**	Water	04/06/09 13:35	04/08/09 09:55
5025055005	**MW-0420-S2A(040609)**	Water	04/06/09 15:45	04/08/09 09:55
5025055006	**MW-0421-S3(040609)**	Water	04/06/09 14:45	04/08/09 09:55
5025055007	**MW-0819-S2B(040609)**	Water	04/06/09 16:30	04/08/09 09:55
5025055008	**EB-1(040609)-TK**	Water	04/06/09 16:45	04/08/09 09:55
5025055009	**MW-0805-S2B(040609)**	Water	04/06/09 10:07	04/08/09 09:55
5025055010	**MW-0812-S2(040609)**	Water	04/06/09 11:45	04/08/09 09:55
5025055011	**FD-1(040609)RW**	Water	04/06/09 08:00	04/08/09 09:55
5025055012	**EB-1(040609)RW**	Water	04/06/09 08:00	04/08/09 09:55
5025055013	**TB-1(040609)RW**	Water	04/06/09 08:00	04/08/09 09:55
5025055014	**MW-0813-S2(040609)**	Water	04/06/09 12:47	04/08/09 09:55
5025055015	**MW-0637-S2B(040609)**	Water	04/06/09 13:34	04/08/09 09:55
5025055016	**MW-0807-S2A(040609)**	Water	04/06/09 14:13	04/08/09 09:55
5025055017	**MW-0808-S2(040609)**	Water	04/06/09 14:55	04/08/09 09:55
5025055018	**MW-0614-S2B(040609)**	Water	04/06/09 15:40	04/08/09 09:55
5025055019	**MW-0613-S2A(040609)**	Water	04/06/09 16:16	04/08/09 09:55
5025055020	**TB-1(040609)-TP**	Water	04/06/09 08:00	04/08/09 09:55
5025055021	**MW-S3-0601(040609)**	Water	04/06/09 11:55	04/08/09 09:55
5025055022	**MW-S2B-0501(040609)**	Water	04/06/09 13:20	04/08/09 09:55

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SAMPLE ANALYTE COUNT

Project: Allison IN473.20.4
Pace Project No.: 5025055

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5025055001	**TB-1(040609)-TK**	EPA 8260	AMV	51
5025055002	**MW-0818-S3(040609)**	EPA 8260	AMV	51
5025055003	**MW-0102-S2B(040609)**	EPA 8260	AMV	51
5025055004	**MW-0421-S2(040609)**	EPA 8260	AMV	51
5025055005	**MW-0420-S2A(040609)**	EPA 8260	AMV	51
5025055006	**MW-0421-S3(040609)**	EPA 8260	AMV	51
5025055007	**MW-0819-S2B(040609)**	EPA 8260	AMV	51
5025055008	**EB-1(040609)-TK**	EPA 8260	AMV	51
5025055009	**MW-0805-S2B(040609)**	EPA 8260	AMV	51
5025055010	**MW-0812-S2(040609)**	EPA 8260	AMV	51
5025055011	**FD-1(040609)RW**	EPA 8260	AMV	51
5025055012	**EB-1(040609)RW**	EPA 8260	AMV	51
5025055013	**TB-1(040609)RW**	EPA 8260	AMV	51
5025055014	**MW-0813-S2(040609)**	EPA 8260	AMV	51
5025055015	**MW-0637-S2B(040609)**	EPA 8260	AMV	51
5025055016	**MW-0807-S2A(040609)**	EPA 8260	AMV	51
5025055017	**MW-0808-S2(040609)**	EPA 8260	AMV	51
5025055018	**MW-0614-S2B(040609)**	EPA 8260	AMV	51
5025055019	**MW-0613-S2A(040609)**	EPA 8260	AMV	51
5025055020	**TB-1(040609)-TP**	EPA 8260	AMV	51
5025055021	**MW-S3-0601(040609)**	EPA 8260	AMV	51
5025055022	**MW-S2B-0501(040609)**	EPA 8260	AMV	51

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: TB-1(040609)-TK **Lab ID: 5025055001** Collected: 04/06/09 09:00 Received: 04/08/09 09:55 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		04/10/09 01:38	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 01:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 01:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 01:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 01:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 01:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 01:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 01:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 01:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 01:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 01:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 01:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 01:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 01:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 01:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 01:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 01:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 01:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 01:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 01:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 01:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 01:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 01:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 01:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 01:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 01:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 01:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 01:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 01:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 01:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 01:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 01:38	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 01:38	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 01:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 01:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 01:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 01:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 01:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 01:38	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 01:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 01:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 01:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 01:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 01:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 01:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 01:38	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 01:38	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: TB-1(040609)-TK **Lab ID: 5025055001** Collected: 04/06/09 09:00 Received: 04/08/09 09:55 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		04/10/09 01:38	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 01:38	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-126	1		04/10/09 01:38	460-00-4	
Toluene-d8 (S)	110	%	80-116	1		04/10/09 01:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0818-S3(040609) **Lab ID: 5025055002** Collected: 04/06/09 11:00 Received: 04/08/09 09:55 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		04/10/09 02:12	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 02:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 02:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 02:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 02:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 02:12	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 02:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 02:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 02:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 02:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 02:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 02:12	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 02:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 02:12	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 02:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 02:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 02:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 02:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 02:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 02:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 02:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 02:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 02:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 02:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 02:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 02:12	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 02:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 02:12	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 02:12	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 02:12	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 02:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 02:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 02:12	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 02:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 02:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 02:12	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 02:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 02:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 02:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 02:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 02:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 02:12	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 02:12	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0818-S3(040609) **Lab ID: 5025055002** Collected: 04/06/09 11:00 Received: 04/08/09 09:55 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		04/10/09 02:12	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/10/09 02:12	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-126	1		04/10/09 02:12	460-00-4	
Toluene-d8 (S)	108	%	80-116	1		04/10/09 02:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0102-S2B(040609) **Lab ID: 5025055003** Collected: 04/06/09 12:20 Received: 04/08/09 09:55 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		04/10/09 14:24	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 14:24	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 14:24	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 14:24	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 14:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 14:24	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 14:24	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 14:24	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 14:24	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 14:24	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 14:24	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 14:24	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 14:24	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 14:24	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 14:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 14:24	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 14:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 14:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 14:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 14:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 14:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 14:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 14:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 14:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 14:24	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 14:24	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 14:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 14:24	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 14:24	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 14:24	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 14:24	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 14:24	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 14:24	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 14:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 14:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 14:24	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 14:24	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 14:24	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 14:24	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 14:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 14:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 14:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 14:24	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 14:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 14:24	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 14:24	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 14:24	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0102-S2B(040609) **Lab ID: 5025055003** Collected: 04/06/09 12:20 Received: 04/08/09 09:55 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		04/10/09 14:24	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 14:24	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 14:24	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 14:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0421-S2(040609) **Lab ID: 5025055004** Collected: 04/06/09 13:35 Received: 04/08/09 09:55 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		04/10/09 02:45	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 02:45	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 02:45	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 02:45	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 02:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 02:45	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 02:45	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 02:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 02:45	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 02:45	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 02:45	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 02:45	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 02:45	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 02:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 02:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 02:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 02:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 02:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 02:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 02:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 02:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 02:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 02:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 02:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 02:45	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 02:45	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 02:45	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 02:45	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 02:45	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 02:45	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 02:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 02:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 02:45	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 02:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 02:45	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 02:45	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 02:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 02:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 02:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 02:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 02:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 02:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 02:45	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 02:45	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0421-S2(040609) **Lab ID: 5025055004** Collected: 04/06/09 13:35 Received: 04/08/09 09:55 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		04/10/09 02:45	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/10/09 02:45	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 02:45	460-00-4	
Toluene-d8 (S)	107	%	80-116	1		04/10/09 02:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0420-S2A(040609) **Lab ID: 5025055005** Collected: 04/06/09 15:45 Received: 04/08/09 09:55 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		04/10/09 03:19	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 03:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 03:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 03:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 03:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 03:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 03:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 03:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 03:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 03:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 03:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 03:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 03:19	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 03:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 03:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 03:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 03:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 03:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 03:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 03:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 03:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 03:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 03:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 03:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 03:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 03:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 03:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 03:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 03:19	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 03:19	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 03:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 03:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 03:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 03:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 03:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 03:19	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 03:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 03:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 03:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 03:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 03:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 03:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 03:19	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0420-S2A(040609) **Lab ID: 5025055005** Collected: 04/06/09 15:45 Received: 04/08/09 09:55 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		04/10/09 03:19	1330-20-7	
Dibromofluoromethane (S)	109	%	80-123	1		04/10/09 03:19	1868-53-7	
4-Bromofluorobenzene (S)	104	%	70-126	1		04/10/09 03:19	460-00-4	
Toluene-d8 (S)	110	%	80-116	1		04/10/09 03:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0421-S3(040609) **Lab ID: 5025055006** Collected: 04/06/09 14:45 Received: 04/08/09 09:55 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		04/10/09 15:31	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 15:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 15:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 15:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 15:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 15:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 15:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 15:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 15:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 15:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 15:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 15:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 15:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 15:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 15:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 15:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 15:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 15:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 15:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 15:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 15:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 15:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 15:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 15:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 15:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 15:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 15:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 15:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 15:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 15:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 15:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 15:31	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 15:31	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 15:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 15:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 15:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 15:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 15:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 15:31	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 15:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 15:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 15:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 15:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 15:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 15:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 15:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 15:31	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0421-S3(040609) **Lab ID: 5025055006** Collected: 04/06/09 14:45 Received: 04/08/09 09:55 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		04/10/09 15:31	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/10/09 15:31	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-126	1		04/10/09 15:31	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 15:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0819-S2B(040609) **Lab ID: 5025055007** Collected: 04/06/09 16:30 Received: 04/08/09 09:55 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		04/09/09 21:41	67-64-1	
Benzene	ND	ug/L	5.0	1		04/09/09 21:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/09/09 21:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/09/09 21:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/09/09 21:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/09/09 21:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/09/09 21:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/09/09 21:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/09/09 21:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/09/09 21:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/09/09 21:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/09/09 21:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/09/09 21:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/09/09 21:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/09/09 21:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/09/09 21:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/09/09 21:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/09/09 21:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/09/09 21:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/09/09 21:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/09/09 21:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/09/09 21:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/09/09 21:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/09/09 21:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/09/09 21:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/09/09 21:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/09/09 21:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/09/09 21:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/09/09 21:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/09/09 21:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/09/09 21:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/09/09 21:41	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/09/09 21:41	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/09/09 21:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/09/09 21:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/09/09 21:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/09/09 21:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/09/09 21:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/09/09 21:41	127-18-4	
Toluene	ND	ug/L	5.0	1		04/09/09 21:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/09/09 21:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/09/09 21:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/09/09 21:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/09/09 21:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/09/09 21:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/09/09 21:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/09/09 21:41	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0819-S2B(040609) **Lab ID: 5025055007** Collected: 04/06/09 16:30 Received: 04/08/09 09:55 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		04/09/09 21:41	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/09/09 21:41	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		04/09/09 21:41	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/09/09 21:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: EB-1(040609)-TK **Lab ID: 5025055008** Collected: 04/06/09 16:45 Received: 04/08/09 09:55 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		04/10/09 03:53	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 03:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 03:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 03:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 03:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 03:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 03:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 03:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 03:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 03:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 03:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 03:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 03:53	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 03:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 03:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 03:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 03:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 03:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 03:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 03:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 03:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 03:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 03:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 03:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 03:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 03:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 03:53	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 03:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 03:53	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 03:53	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 03:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 03:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 03:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 03:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 03:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 03:53	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 03:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 03:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 03:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 03:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 03:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 03:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 03:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 03:53	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: EB-1(040609)-TK **Lab ID: 5025055008** Collected: 04/06/09 16:45 Received: 04/08/09 09:55 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		04/10/09 03:53	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 03:53	1868-53-7	
4-Bromofluorobenzene (S)	102	%	70-126	1		04/10/09 03:53	460-00-4	
Toluene-d8 (S)	108	%	80-116	1		04/10/09 03:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0805-S2B(040609) **Lab ID: 5025055009** Collected: 04/06/09 10:07 Received: 04/08/09 09:55 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		04/10/09 04:26	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 04:26	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 04:26	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 04:26	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 04:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 04:26	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 04:26	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 04:26	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 04:26	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 04:26	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 04:26	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 04:26	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 04:26	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 04:26	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 04:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 04:26	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 04:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 04:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 04:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 04:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 04:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 04:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 04:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 04:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 04:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 04:26	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 04:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 04:26	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 04:26	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 04:26	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 04:26	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 04:26	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 04:26	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 04:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 04:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 04:26	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 04:26	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 04:26	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 04:26	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 04:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 04:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 04:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 04:26	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 04:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 04:26	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 04:26	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 04:26	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0805-S2B(040609) **Lab ID: 5025055009** Collected: 04/06/09 10:07 Received: 04/08/09 09:55 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		04/10/09 04:26	1330-20-7	
Dibromofluoromethane (S)	109	%	80-123	1		04/10/09 04:26	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 04:26	460-00-4	
Toluene-d8 (S)	108	%	80-116	1		04/10/09 04:26	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0812-S2(040609) **Lab ID: 5025055010** Collected: 04/06/09 11:45 Received: 04/08/09 09:55 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		04/10/09 05:00	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 05:00	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 05:00	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 05:00	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 05:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 05:00	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 05:00	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 05:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 05:00	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 05:00	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 05:00	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 05:00	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 05:00	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 05:00	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 05:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 05:00	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 05:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 05:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 05:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 05:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 05:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 05:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 05:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 05:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 05:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 05:00	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 05:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 05:00	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 05:00	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 05:00	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 05:00	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 05:00	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 05:00	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 05:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 05:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 05:00	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 05:00	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 05:00	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 05:00	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 05:00	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 05:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 05:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 05:00	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 05:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 05:00	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 05:00	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 05:00	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0812-S2(040609) **Lab ID: 5025055010** Collected: 04/06/09 11:45 Received: 04/08/09 09:55 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		04/10/09 05:00	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 05:00	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 05:00	460-00-4	
Toluene-d8 (S)	110	%	80-116	1		04/10/09 05:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: FD-1(040609)RW **Lab ID: 5025055011** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 06:41	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 06:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 06:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 06:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 06:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 06:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 06:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 06:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 06:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 06:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 06:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 06:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 06:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 06:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 06:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 06:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 06:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 06:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 06:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 06:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 06:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 06:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 06:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 06:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 06:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 06:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 06:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 06:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 06:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 06:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 06:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 06:41	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 06:41	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 06:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 06:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 06:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 06:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 06:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 06:41	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 06:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 06:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 06:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 06:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 06:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 06:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 06:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 06:41	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: FD-1(040609)RW **Lab ID: 5025055011** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 06:41	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 06:41	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 06:41	460-00-4	
Toluene-d8 (S)	108	%	80-116	1		04/10/09 06:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: EB-1(040609)RW **Lab ID: 5025055012** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 07:15	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 07:15	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 07:15	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 07:15	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 07:15	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 07:15	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 07:15	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 07:15	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 07:15	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 07:15	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 07:15	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 07:15	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 07:15	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 07:15	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 07:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 07:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:15	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 07:15	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 07:15	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 07:15	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 07:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 07:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 07:15	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 07:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 07:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 07:15	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 07:15	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 07:15	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 07:15	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 07:15	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 07:15	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 07:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 07:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 07:15	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 07:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 07:15	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 07:15	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 07:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 07:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 07:15	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 07:15	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 07:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 07:15	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 07:15	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: EB-1(040609)RW **Lab ID: 5025055012** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 07:15	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/10/09 07:15	1868-53-7	
4-Bromofluorobenzene (S)	103	%	70-126	1		04/10/09 07:15	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 07:15	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: TB-1(040609)RW **Lab ID: 5025055013** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 07:48	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 07:48	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 07:48	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 07:48	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 07:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 07:48	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 07:48	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 07:48	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 07:48	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 07:48	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 07:48	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 07:48	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 07:48	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 07:48	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 07:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 07:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 07:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 07:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 07:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 07:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 07:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 07:48	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 07:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 07:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 07:48	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 07:48	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 07:48	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 07:48	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 07:48	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 07:48	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 07:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 07:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 07:48	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 07:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 07:48	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 07:48	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 07:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 07:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 07:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 07:48	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 07:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 07:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 07:48	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 07:48	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: TB-1(040609)RW **Lab ID: 5025055013** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 07:48	1330-20-7	
Dibromofluoromethane (S)	105	%	80-123	1		04/10/09 07:48	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-126	1		04/10/09 07:48	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 07:48	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0813-S2(040609) **Lab ID: 5025055014** Collected: 04/06/09 12:47 Received: 04/08/09 09:55 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		04/10/09 10:38	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 10:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 10:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 10:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 10:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 10:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 10:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 10:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 10:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 10:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 10:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 10:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 10:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 10:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 10:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 10:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 10:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 10:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 10:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 10:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 10:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 10:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 10:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 10:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 10:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 10:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 10:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 10:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 10:38	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 10:38	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 10:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 10:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 10:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 10:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 10:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 10:38	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 10:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 10:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 10:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 10:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 10:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 10:38	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 10:38	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0813-S2(040609) **Lab ID: 5025055014** Collected: 04/06/09 12:47 Received: 04/08/09 09:55 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		04/10/09 10:38	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/10/09 10:38	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-126	1		04/10/09 10:38	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 10:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0637-S2B(040609) **Lab ID: 5025055015** Collected: 04/06/09 13:34 Received: 04/08/09 09:55 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		04/10/09 16:05	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 16:05	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 16:05	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 16:05	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 16:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 16:05	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 16:05	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 16:05	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 16:05	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 16:05	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 16:05	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 16:05	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 16:05	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 16:05	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 16:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 16:05	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 16:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 16:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 16:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 16:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 16:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 16:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 16:05	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 16:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 16:05	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 16:05	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 16:05	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 16:05	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 16:05	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 16:05	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 16:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 16:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 16:05	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 16:05	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 16:05	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 16:05	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 16:05	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 16:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 16:05	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 16:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 16:05	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 16:05	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 16:05	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0637-S2B(040609) **Lab ID: 5025055015** Collected: 04/06/09 13:34 Received: 04/08/09 09:55 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		04/10/09 16:05	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/10/09 16:05	1868-53-7	
4-Bromofluorobenzene (S)	102	%	70-126	1		04/10/09 16:05	460-00-4	
Toluene-d8 (S)	110	%	80-116	1		04/10/09 16:05	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0807-S2A(040609) **Lab ID: 5025055016** Collected: 04/06/09 14:13 Received: 04/08/09 09:55 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		04/10/09 08:22	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 08:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 08:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 08:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 08:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 08:22	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 08:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 08:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 08:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 08:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 08:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 08:22	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 08:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 08:22	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 08:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 08:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 08:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 08:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 08:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 08:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 08:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 08:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 08:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 08:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 08:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 08:22	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 08:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 08:22	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 08:22	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 08:22	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 08:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 08:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 08:22	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 08:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 08:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 08:22	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 08:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 08:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 08:22	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 08:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 08:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 08:22	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 08:22	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0807-S2A(040609) **Lab ID: 5025055016** Collected: 04/06/09 14:13 Received: 04/08/09 09:55 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		04/10/09 08:22	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/10/09 08:22	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 08:22	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 08:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0808-S2(040609) **Lab ID: 5025055017** Collected: 04/06/09 14:55 Received: 04/08/09 09:55 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		04/10/09 08:56	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 08:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 08:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 08:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 08:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 08:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 08:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 08:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 08:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 08:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 08:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 08:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 08:56	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 08:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 08:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 08:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 08:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 08:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 08:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 08:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 08:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 08:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 08:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 08:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 08:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 08:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 08:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 08:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 08:56	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 08:56	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 08:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 08:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 08:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 08:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 08:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 08:56	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 08:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 08:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 08:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 08:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 08:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 08:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 08:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 08:56	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0808-S2(040609) **Lab ID: 5025055017** Collected: 04/06/09 14:55 Received: 04/08/09 09:55 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		04/10/09 08:56	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 08:56	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 08:56	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 08:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0614-S2B(040609) **Lab ID: 5025055018** Collected: 04/06/09 15:40 Received: 04/08/09 09:55 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		04/10/09 16:38	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 16:38	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 16:38	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 16:38	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 16:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 16:38	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 16:38	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 16:38	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 16:38	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 16:38	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 16:38	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 16:38	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 16:38	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 16:38	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 16:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 16:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 16:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 16:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 16:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 16:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 16:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 16:38	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 16:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 16:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 16:38	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 16:38	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 16:38	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 16:38	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 16:38	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 16:38	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 16:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 16:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 16:38	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 16:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 16:38	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 16:38	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 16:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 16:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 16:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 16:38	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 16:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 16:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 16:38	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 16:38	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0614-S2B(040609) **Lab ID: 5025055018** Collected: 04/06/09 15:40 Received: 04/08/09 09:55 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		04/10/09 16:38	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/10/09 16:38	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		04/10/09 16:38	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 16:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0613-S2A(040609) **Lab ID: 5025055019** Collected: 04/06/09 16:16 Received: 04/08/09 09:55 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		04/10/09 17:12	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 17:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 17:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 17:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 17:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 17:12	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 17:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 17:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 17:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 17:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 17:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 17:12	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 17:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 17:12	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 17:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 17:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 17:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 17:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 17:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 17:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 17:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 17:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 17:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 17:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 17:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 17:12	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 17:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 17:12	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 17:12	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 17:12	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 17:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 17:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 17:12	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 17:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 17:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 17:12	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 17:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 17:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 17:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 17:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 17:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 17:12	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 17:12	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-0613-S2A(040609) **Lab ID: 5025055019** Collected: 04/06/09 16:16 Received: 04/08/09 09:55 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		04/10/09 17:12	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/10/09 17:12	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		04/10/09 17:12	460-00-4	
Toluene-d8 (S)	109	%	80-116	1		04/10/09 17:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: TB-1(040609)-TP **Lab ID: 5025055020** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 09:30	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 09:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 09:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 09:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 09:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 09:30	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 09:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 09:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 09:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 09:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 09:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 09:30	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 09:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 09:30	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 09:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 09:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 09:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 09:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 09:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 09:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 09:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 09:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 09:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 09:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 09:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 09:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 09:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 09:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 09:30	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 09:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 09:30	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 09:30	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 09:30	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 09:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 09:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 09:30	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 09:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 09:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 09:30	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 09:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 09:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 09:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 09:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 09:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 09:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 09:30	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 09:30	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: TB-1(040609)-TP **Lab ID: 5025055020** Collected: 04/06/09 08:00 Received: 04/08/09 09:55 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		04/10/09 09:30	1330-20-7	
Dibromofluoromethane (S)	105	%	80-123	1		04/10/09 09:30	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-126	1		04/10/09 09:30	460-00-4	
Toluene-d8 (S)	108	%	80-116	1		04/10/09 09:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-S3-0601(040609) **Lab ID: 5025055021** Collected: 04/06/09 11:55 Received: 04/08/09 09:55 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		04/10/09 17:46	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 17:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 17:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 17:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 17:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 17:46	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 17:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 17:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 17:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 17:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 17:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 17:46	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 17:46	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 17:46	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 17:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 17:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 17:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/10/09 17:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 17:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/10/09 17:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 17:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/10/09 17:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 17:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 17:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 17:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 17:46	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 17:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 17:46	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 17:46	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 17:46	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 17:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 17:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 17:46	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 17:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 17:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 17:46	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 17:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 17:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 17:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 17:46	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 17:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 17:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 17:46	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/10/09 17:46	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-S3-0601(040609) **Lab ID: 5025055021** Collected: 04/06/09 11:55 Received: 04/08/09 09:55 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		04/10/09 17:46	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/10/09 17:46	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		04/10/09 17:46	460-00-4	
Toluene-d8 (S)	108	%	80-116	1		04/10/09 17:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-S2B-0501(040609) **Lab ID: 5025055022** Collected: 04/06/09 13:20 Received: 04/08/09 09:55 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		04/10/09 10:04	67-64-1	
Benzene	ND	ug/L	5.0	1		04/10/09 10:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/10/09 10:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/10/09 10:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/10/09 10:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/10/09 10:04	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/10/09 10:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/10/09 10:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/10/09 10:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/10/09 10:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/10/09 10:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/10/09 10:04	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/10/09 10:04	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/10/09 10:04	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/10/09 10:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/10/09 10:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/10/09 10:04	75-71-8	
1,1-Dichloroethane	**5.0**	ug/L	5.0	1		04/10/09 10:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/10/09 10:04	107-06-2	
1,1-Dichloroethene	**5.2**	ug/L	5.0	1		04/10/09 10:04	75-35-4	
cis-1,2-Dichloroethene	**71.9**	ug/L	5.0	1		04/10/09 10:04	156-59-2	
trans-1,2-Dichloroethene	**6.0**	ug/L	5.0	1		04/10/09 10:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/10/09 10:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 10:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/10/09 10:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/10/09 10:04	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/10/09 10:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/10/09 10:04	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/10/09 10:04	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/10/09 10:04	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/10/09 10:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/10/09 10:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/10/09 10:04	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/10/09 10:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/10/09 10:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/10/09 10:04	127-18-4	
Toluene	ND	ug/L	5.0	1		04/10/09 10:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/10/09 10:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/10/09 10:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/10/09 10:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/10/09 10:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/10/09 10:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/10/09 10:04	76-13-1	
Vinyl chloride	**33.9**	ug/L	2.0	1		04/10/09 10:04	75-01-4	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Sample: MW-S2B-0501(040609) **Lab ID: 5025055022** Collected: 04/06/09 13:20 Received: 04/08/09 09:55 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		04/10/09 10:04	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/10/09 10:04	1868-53-7	
4-Bromofluorobenzene (S)	100	%	70-126	1		04/10/09 10:04	460-00-4	
Toluene-d8 (S)	107	%	80-116	1		04/10/09 10:04	2037-26-5	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

QC Batch: MSV/15548 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV
Associated Lab Samples: 5025055007

METHOD BLANK: 285649 | Matrix: Water
Associated Lab Samples: 5025055007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/09/09 12:44	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/09/09 12:44	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/09/09 12:44	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/09/09 12:44	
1,1-Dichloroethane	ug/L	ND	5.0	04/09/09 12:44	
1,1-Dichloroethene	ug/L	ND	5.0	04/09/09 12:44	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/09/09 12:44	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/09/09 12:44	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/09/09 12:44	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/09/09 12:44	
1,2-Dichloroethane	ug/L	ND	5.0	04/09/09 12:44	
1,2-Dichloropropane	ug/L	ND	5.0	04/09/09 12:44	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/09/09 12:44	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/09/09 12:44	
2-Butanone (MEK)	ug/L	ND	25.0	04/09/09 12:44	
2-Hexanone	ug/L	ND	25.0	04/09/09 12:44	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/09/09 12:44	
Acetone	ug/L	ND	100	04/09/09 12:44	
Benzene	ug/L	ND	5.0	04/09/09 12:44	
Bromodichloromethane	ug/L	ND	5.0	04/09/09 12:44	
Bromoform	ug/L	ND	5.0	04/09/09 12:44	
Bromomethane	ug/L	ND	5.0	04/09/09 12:44	
Carbon disulfide	ug/L	ND	10.0	04/09/09 12:44	
Carbon tetrachloride	ug/L	ND	5.0	04/09/09 12:44	
Chlorobenzene	ug/L	ND	5.0	04/09/09 12:44	
Chloroethane	ug/L	ND	5.0	04/09/09 12:44	
Chloroform	ug/L	ND	5.0	04/09/09 12:44	
Chloromethane	ug/L	ND	5.0	04/09/09 12:44	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/09/09 12:44	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/09/09 12:44	
Cyclohexane	ug/L	ND	100	04/09/09 12:44	
Dibromochloromethane	ug/L	ND	5.0	04/09/09 12:44	
Dichlorodifluoromethane	ug/L	ND	5.0	04/09/09 12:44	
Ethylbenzene	ug/L	ND	5.0	04/09/09 12:44	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/09/09 12:44	
Methyl acetate	ug/L	ND	50.0	04/09/09 12:44	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/09/09 12:44	
Methylcyclohexane	ug/L	ND	50.0	04/09/09 12:44	
Methylene chloride	ug/L	ND	5.0	04/09/09 12:44	
Styrene	ug/L	ND	5.0	04/09/09 12:44	
Tetrachloroethene	ug/L	ND	5.0	04/09/09 12:44	
Toluene	ug/L	ND	5.0	04/09/09 12:44	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/09/09 12:44	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

METHOD BLANK: 285649 Matrix: Water

Associated Lab Samples: 5025055007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/09/09 12:44	
Trichloroethene	ug/L	ND	5.0	04/09/09 12:44	
Trichlorofluoromethane	ug/L	ND	5.0	04/09/09 12:44	
Vinyl chloride	ug/L	ND	2.0	04/09/09 12:44	
Xylene (Total)	ug/L	ND	10.0	04/09/09 12:44	
4-Bromofluorobenzene (S)	%	100	70-126	04/09/09 12:44	
Dibromofluoromethane (S)	%	106	80-123	04/09/09 12:44	
Toluene-d8 (S)	%	108	80-116	04/09/09 12:44	

LABORATORY CONTROL SAMPLE: 285650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.0	100	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	51.9	104	69-131	
1,1,2-Trichloroethane	ug/L	50	49.8	100	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	66.2	132	70-130	L3
1,1-Dichloroethane	ug/L	50	48.9	98	67-133	
1,1-Dichloroethene	ug/L	50	56.2	112	63-128	
1,2,4-Trichlorobenzene	ug/L	50	41.5	83	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	39.4	79	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	47.9	96	75-126	
1,2-Dichlorobenzene	ug/L	50	50.8	102	76-124	
1,2-Dichloroethane	ug/L	50	52.8	106	69-139	
1,2-Dichloropropane	ug/L	50	51.5	103	76-129	
1,3-Dichlorobenzene	ug/L	50	50.5	101	76-125	
1,4-Dichlorobenzene	ug/L	50	49.5	99	75-122	
2-Butanone (MEK)	ug/L	250	257	103	47-189	
2-Hexanone	ug/L	250	264	106	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	234	93	61-135	
Acetone	ug/L	250	310	124	30-170	
Benzene	ug/L	50	48.1	96	78-127	
Bromodichloromethane	ug/L	50	48.9	98	69-133	
Bromoform	ug/L	50	41.3	83	60-127	
Bromomethane	ug/L	50	35.9	72	30-170	
Carbon disulfide	ug/L	100	114	114	58-152	
Carbon tetrachloride	ug/L	50	52.7	105	62-143	
Chlorobenzene	ug/L	50	47.1	94	75-123	
Chloroethane	ug/L	50	59.1	118	56-153	
Chloroform	ug/L	50	52.9	106	74-131	
Chloromethane	ug/L	50	52.1	104	35-147	
cis-1,2-Dichloroethene	ug/L	50	54.0	108	74-128	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	58-123	
Cyclohexane	ug/L	50	48.6J	97	63-134	
Dibromochloromethane	ug/L	50	47.4	95	66-131	
Dichlorodifluoromethane	ug/L	50	50.1	100	30-170	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

LABORATORY CONTROL SAMPLE: 285650

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	51.3	103	81-126	
Isopropylbenzene (Cumene)	ug/L	50	50.4	101	80-130	
Methyl acetate	ug/L	50	66.5	133	30-170	
Methyl-tert-butyl ether	ug/L	100	97.5	98	66-147	
Methylcyclohexane	ug/L	50	ND	97	65-135	
Methylene chloride	ug/L	50	50.4	101	32-164	
Styrene	ug/L	50	46.8	94	74-128	
Tetrachloroethene	ug/L	50	43.6	87	60-119	
Toluene	ug/L	50	49.0	98	75-129	
trans-1,2-Dichloroethene	ug/L	50	55.8	112	71-126	
trans-1,3-Dichloropropene	ug/L	50	46.2	92	54-123	
Trichloroethene	ug/L	50	51.1	102	74-130	
Trichlorofluoromethane	ug/L	50	56.4	113	62-150	
Vinyl chloride	ug/L	50	54.1	108	55-141	
Xylene (Total)	ug/L	150	148	99	76-132	
4-Bromofluorobenzene (S)	%			101	70-126	
Dibromofluoromethane (S)	%			108	80-123	
Toluene-d8 (S)	%			103	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 285651 285652

Parameter	Units	5025055007 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	47.1	50.6	94	101	64-143	7	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	48.4	52.2	97	104	64-142	8	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	45.7	48.5	91	97	71-143	6	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	59.0	62.2	118	124	70-130	5	20	
1,1-Dichloroethane	ug/L	ND	50	50	43.8	47.0	88	94	68-139	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.9	54.0	104	108	55-140	4	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	37.1	39.1	74	78	28-140	5	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	38.3	42.8	77	86	39-140	11	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	44.8	48.3	90	97	67-134	7	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	46.8	49.7	94	99	48-137	6	20	
1,2-Dichloroethane	ug/L	ND	50	50	46.5	47.8	93	96	63-148	3	20	
1,2-Dichloropropane	ug/L	ND	50	50	45.5	48.3	91	97	70-136	6	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	45.9	49.9	92	100	40-143	8	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	45.1	48.5	90	97	38-142	7	20	
2-Butanone (MEK)	ug/L	ND	250	250	215	234	86	94	62-132	9	20	
2-Hexanone	ug/L	ND	250	250	237	257	95	103	61-141	8	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	223	241	89	96	57-135	8	20	
Acetone	ug/L	ND	250	250	208	224	83	90	30-170	7	20	
Benzene	ug/L	ND	50	50	43.8	46.5	88	93	63-141	6	20	
Bromodichloromethane	ug/L	ND	50	50	43.6	46.8	87	94	63-135	7	20	
Bromoform	ug/L	ND	50	50	39.0	42.4	78	85	58-124	8	20	
Bromomethane	ug/L	ND	50	50	32.7	33.3	65	67	30-170	2	20	
Carbon disulfide	ug/L	ND	100	100	106	111	106	111	46-162	5	20	
Carbon tetrachloride	ug/L	ND	50	50	49.8	52.5	100	105	54-145	5	20	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 285651 285652

Parameter	Units	5025055007 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	44.9	48.9	90	98	56-133	9	20	
Chloroethane	ug/L	ND	50	50	48.7	57.4	97	115	54-157	16	20	
Chloroform	ug/L	ND	50	50	48.0	51.8	96	104	67-134	8	20	
Chloromethane	ug/L	ND	50	50	45.1	49.0	90	98	36-137	8	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.5	53.1	101	106	65-132	5	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	43.1	46.5	86	93	46-121	8	20	
Cyclohexane	ug/L	ND	50	50	44J	46.9J	88	94	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	44.1	47.6	88	95	64-124	8	20	
Dichlorodifluoromethane	ug/L	ND	50	50	44.8	46.1	90	92	30-163	3	20	
Ethylbenzene	ug/L	ND	50	50	48.6	52.6	97	105	44-151	8	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.3	51.1	95	102	40-148	8	20	
Methyl acetate	ug/L	ND	50	50	56.1	58.6	112	117	40-182	4	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	87.9	94.2	88	94	52-156	7	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	86	90	44-158		20	
Methylene chloride	ug/L	ND	50	50	45.7	47.7	91	95	46-154	4	20	
Styrene	ug/L	ND	50	50	43.7	46.7	87	93	38-141	7	20	
Tetrachloroethene	ug/L	ND	50	50	40.7	43.6	81	87	25-146	7	20	
Toluene	ug/L	ND	50	50	46.3	49.6	93	99	59-142	7	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.0	55.1	104	110	60-137	6	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	40.3	44.1	81	88	43-117	9	20	
Trichloroethene	ug/L	ND	50	50	48.7	51.5	89	94	61-137	5	20	
Trichlorofluoromethane	ug/L	ND	50	50	53.2	57.4	106	115	53-162	8	20	
Vinyl chloride	ug/L	ND	50	50	48.4	51.1	97	102	51-144	6	20	
Xylene (Total)	ug/L	ND	150	150	138	150	92	100	44-152	8	20	
4-Bromofluorobenzene (S)	%						100	102	70-126		20	
Dibromofluoromethane (S)	%						108	107	80-123		20	
Toluene-d8 (S)	%						105	104	80-116		20	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

QC Batch: MSV/15549 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025055001, 5025055002, 5025055004, 5025055005, 5025055008, 5025055009, 5025055010, 5025055011, 5025055012, 5025055013, 5025055014, 5025055016, 5025055017, 5025055020, 5025055022

METHOD BLANK: 285655 Matrix: Water
Associated Lab Samples: 5025055001, 5025055002, 5025055004, 5025055005, 5025055008, 5025055009, 5025055010, 5025055011, 5025055012, 5025055013, 5025055014, 5025055016, 5025055017, 5025055020, 5025055022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/10/09 01:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/10/09 01:04	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/10/09 01:04	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/10/09 01:04	
1,1-Dichloroethane	ug/L	ND	5.0	04/10/09 01:04	
1,1-Dichloroethene	ug/L	ND	5.0	04/10/09 01:04	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/10/09 01:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/10/09 01:04	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/10/09 01:04	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/10/09 01:04	
1,2-Dichloroethane	ug/L	ND	5.0	04/10/09 01:04	
1,2-Dichloropropane	ug/L	ND	5.0	04/10/09 01:04	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/10/09 01:04	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/10/09 01:04	
2-Butanone (MEK)	ug/L	ND	25.0	04/10/09 01:04	
2-Hexanone	ug/L	ND	25.0	04/10/09 01:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/10/09 01:04	
Acetone	ug/L	ND	100	04/10/09 01:04	
Benzene	ug/L	ND	5.0	04/10/09 01:04	
Bromodichloromethane	ug/L	ND	5.0	04/10/09 01:04	
Bromoform	ug/L	ND	5.0	04/10/09 01:04	
Bromomethane	ug/L	ND	5.0	04/10/09 01:04	
Carbon disulfide	ug/L	ND	10.0	04/10/09 01:04	
Carbon tetrachloride	ug/L	ND	5.0	04/10/09 01:04	
Chlorobenzene	ug/L	ND	5.0	04/10/09 01:04	
Chloroethane	ug/L	ND	5.0	04/10/09 01:04	
Chloroform	ug/L	ND	5.0	04/10/09 01:04	
Chloromethane	ug/L	ND	5.0	04/10/09 01:04	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/10/09 01:04	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/10/09 01:04	
Cyclohexane	ug/L	ND	100	04/10/09 01:04	
Dibromochloromethane	ug/L	ND	5.0	04/10/09 01:04	
Dichlorodifluoromethane	ug/L	ND	5.0	04/10/09 01:04	
Ethylbenzene	ug/L	ND	5.0	04/10/09 01:04	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/10/09 01:04	
Methyl acetate	ug/L	ND	50.0	04/10/09 01:04	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/10/09 01:04	
Methylcyclohexane	ug/L	ND	50.0	04/10/09 01:04	
Methylene chloride	ug/L	ND	5.0	04/10/09 01:04	
Styrene	ug/L	ND	5.0	04/10/09 01:04	
Tetrachloroethene	ug/L	ND	5.0	04/10/09 01:04	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

METHOD BLANK: 285655 Matrix: Water

Associated Lab Samples: 5025055001, 5025055002, 5025055004, 5025055005, 5025055008, 5025055009, 5025055010, 5025055011, 5025055012, 5025055013, 5025055014, 5025055016, 5025055017, 5025055020, 5025055022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	04/10/09 01:04	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/10/09 01:04	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/10/09 01:04	
Trichloroethene	ug/L	ND	5.0	04/10/09 01:04	
Trichlorofluoromethane	ug/L	ND	5.0	04/10/09 01:04	
Vinyl chloride	ug/L	ND	2.0	04/10/09 01:04	
Xylene (Total)	ug/L	ND	10.0	04/10/09 01:04	
4-Bromofluorobenzene (S)	%	101	70-126	04/10/09 01:04	
Dibromofluoromethane (S)	%	105	80-123	04/10/09 01:04	
Toluene-d8 (S)	%	109	80-116	04/10/09 01:04	

LABORATORY CONTROL SAMPLE: 285656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.6	107	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	56.6	113	69-131	
1,1,2-Trichloroethane	ug/L	50	53.2	106	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	64.1	128	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	67-133	
1,1-Dichloroethene	ug/L	50	56.8	114	63-128	
1,2,4-Trichlorobenzene	ug/L	50	45.6	91	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.2	90	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	53.8	108	75-126	
1,2-Dichlorobenzene	ug/L	50	55.0	110	76-124	
1,2-Dichloroethane	ug/L	50	52.6	105	69-139	
1,2-Dichloropropane	ug/L	50	53.1	106	76-129	
1,3-Dichlorobenzene	ug/L	50	54.2	108	76-125	
1,4-Dichlorobenzene	ug/L	50	53.4	107	75-122	
2-Butanone (MEK)	ug/L	250	268	107	47-189	
2-Hexanone	ug/L	250	286	114	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	265	106	61-135	
Acetone	ug/L	250	265	106	30-170	
Benzene	ug/L	50	51.2	102	78-127	
Bromodichloromethane	ug/L	50	51.2	102	69-133	
Bromoform	ug/L	50	45.6	91	60-127	
Bromomethane	ug/L	50	66.7	133	30-170	
Carbon disulfide	ug/L	100	116	116	58-152	
Carbon tetrachloride	ug/L	50	54.6	109	62-143	
Chlorobenzene	ug/L	50	52.1	104	75-123	
Chloroethane	ug/L	50	50.5	101	56-153	
Chloroform	ug/L	50	56.4	113	74-131	
Chloromethane	ug/L	50	53.1	106	35-147	
cis-1,2-Dichloroethene	ug/L	50	57.9	116	74-128	
cis-1,3-Dichloropropene	ug/L	50	49.7	99	58-123	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

LABORATORY CONTROL SAMPLE: 285656

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	49J	98	63-134	
Dibromochloromethane	ug/L	50	51.6	103	66-131	
Dichlorodifluoromethane	ug/L	50	49.5	99	30-170	
Ethylbenzene	ug/L	50	55.8	112	81-126	
Isopropylbenzene (Cumene)	ug/L	50	54.2	108	80-130	
Methyl acetate	ug/L	50	72.8	146	30-170	
Methyl-tert-butyl ether	ug/L	100	103	103	66-147	
Methylcyclohexane	ug/L	50	ND	96	65-135	
Methylene chloride	ug/L	50	52.7	105	32-164	
Styrene	ug/L	50	50.6	101	74-128	
Tetrachloroethene	ug/L	50	45.7	91	60-119	
Toluene	ug/L	50	53.0	106	75-129	
trans-1,2-Dichloroethene	ug/L	50	57.9	116	71-126	
trans-1,3-Dichloropropene	ug/L	50	48.1	96	54-123	
Trichloroethene	ug/L	50	53.5	107	74-130	
Trichlorofluoromethane	ug/L	50	55.2	110	62-150	
Vinyl chloride	ug/L	50	54.7	109	55-141	
Xylene (Total)	ug/L	150	160	107	76-132	
4-Bromofluorobenzene (S)	%			100	70-126	
Dibromofluoromethane (S)	%			109	80-123	
Toluene-d8 (S)	%			105	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 285657 285658

Parameter	Units	5025055010 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	50.1	48.8	100	98	64-143	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50.8	48.6	102	97	64-142	4	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	47.8	46.3	96	93	71-143	3	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	61.4	61.2	123	122	70-130	.4	20	
1,1-Dichloroethane	ug/L	ND	50	50	47.2	45.6	94	91	68-139	3	20	
1,1-Dichloroethene	ug/L	ND	50	50	55.4	53.8	111	108	55-140	3	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	36.3	36.8	73	74	28-140	2	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	38.2	38.0	76	76	39-140	.5	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.0	45.8	94	92	67-134	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	48.2	48.7	96	97	48-137	1	20	
1,2-Dichloroethane	ug/L	ND	50	50	50.1	47.9	100	96	63-148	4	20	
1,2-Dichloropropane	ug/L	ND	50	50	47.6	47.1	95	94	70-136	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	47.6	47.9	95	96	40-143	.8	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.1	46.9	94	94	38-142	.4	20	
2-Butanone (MEK)	ug/L	ND	250	250	219	206	88	82	62-132	6	20	
2-Hexanone	ug/L	ND	250	250	248	238	99	95	61-141	4	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	234	226	94	91	57-135	3	20	
Acetone	ug/L	ND	250	250	219	198	87	79	30-170	10	20	
Benzene	ug/L	ND	50	50	46.2	45.2	92	90	63-141	2	20	
Bromodichloromethane	ug/L	ND	50	50	45.6	44.7	91	89	63-135	2	20	
Bromoform	ug/L	ND	50	50	40.8	39.4	82	79	58-124	3	20	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 285657 285658

Parameter	Units	5025055010 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	41.6	43.5	83	87	30-170	4	20	
Carbon disulfide	ug/L	ND	100	100	111	111	111	111	46-162	.3	20	
Carbon tetrachloride	ug/L	ND	50	50	51.4	50.9	103	102	54-145	.9	20	
Chlorobenzene	ug/L	ND	50	50	46.2	46.8	92	94	56-133	1	20	
Chloroethane	ug/L	ND	50	50	64.7	55.5	129	111	54-157	15	20	
Chloroform	ug/L	ND	50	50	51.3	49.4	103	99	67-134	4	20	
Chloromethane	ug/L	ND	50	50	48.8	49.1	98	98	36-137	.4	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.3	51.9	107	104	65-132	3	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	44.4	45.0	89	90	46-121	1	20	
Cyclohexane	ug/L	ND	50	50	45.8J	46.1J	92	92	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	45.8	45.7	92	91	64-124	.2	20	
Dichlorodifluoromethane	ug/L	ND	50	50	45.4	45.8	91	92	30-163	1	20	
Ethylbenzene	ug/L	ND	50	50	50.4	51.2	101	102	44-151	2	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	48.7	49.9	97	100	40-148	3	20	
Methyl acetate	ug/L	ND	50	50	50.4	ND	101	97	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	93.0	88.5	93	88	52-156	5	20	
Methylcyclohexane	ug/L	ND	50	50	ND	ND	86	90	44-158		20	
Methylene chloride	ug/L	ND	50	50	47.7	47.1	95	94	46-154	1	20	
Styrene	ug/L	ND	50	50	45.2	45.5	90	91	38-141	.7	20	
Tetrachloroethene	ug/L	ND	50	50	40.7	42.8	81	86	25-146	5	20	
Toluene	ug/L	ND	50	50	48.6	48.9	97	98	59-142	.5	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.6	53.5	109	107	60-137	2	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	42.3	42.3	85	85	43-117	.2	20	
Trichloroethene	ug/L	ND	50	50	48.8	47.7	98	95	61-137	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	57.4	54.7	115	109	53-162	5	20	
Vinyl chloride	ug/L	ND	50	50	53.1	50.7	106	101	51-144	4	20	
Xylene (Total)	ug/L	ND	150	150	143	145	95	97	44-152	2	20	
4-Bromofluorobenzene (S)	%						99	100	70-126		20	
Dibromofluoromethane (S)	%						109	107	80-123		20	
Toluene-d8 (S)	%						104	105	80-116		20	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

QC Batch: MSV/15587 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025055003, 5025055006, 5025055015, 5025055018, 5025055019, 5025055021

METHOD BLANK: 286312 Matrix: Water
Associated Lab Samples: 5025055003, 5025055006, 5025055015, 5025055018, 5025055019, 5025055021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/10/09 13:50	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/10/09 13:50	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/10/09 13:50	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/10/09 13:50	
1,1-Dichloroethane	ug/L	ND	5.0	04/10/09 13:50	
1,1-Dichloroethene	ug/L	ND	5.0	04/10/09 13:50	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/10/09 13:50	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/10/09 13:50	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/10/09 13:50	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/10/09 13:50	
1,2-Dichloroethane	ug/L	ND	5.0	04/10/09 13:50	
1,2-Dichloropropane	ug/L	ND	5.0	04/10/09 13:50	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/10/09 13:50	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/10/09 13:50	
2-Butanone (MEK)	ug/L	ND	25.0	04/10/09 13:50	
2-Hexanone	ug/L	ND	25.0	04/10/09 13:50	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/10/09 13:50	
Acetone	ug/L	ND	100	04/10/09 13:50	
Benzene	ug/L	ND	5.0	04/10/09 13:50	
Bromodichloromethane	ug/L	ND	5.0	04/10/09 13:50	
Bromoform	ug/L	ND	5.0	04/10/09 13:50	
Bromomethane	ug/L	ND	5.0	04/10/09 13:50	
Carbon disulfide	ug/L	ND	10.0	04/10/09 13:50	
Carbon tetrachloride	ug/L	ND	5.0	04/10/09 13:50	
Chlorobenzene	ug/L	ND	5.0	04/10/09 13:50	
Chloroethane	ug/L	ND	5.0	04/10/09 13:50	
Chloroform	ug/L	ND	5.0	04/10/09 13:50	
Chloromethane	ug/L	ND	5.0	04/10/09 13:50	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/10/09 13:50	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/10/09 13:50	
Cyclohexane	ug/L	ND	100	04/10/09 13:50	
Dibromochloromethane	ug/L	ND	5.0	04/10/09 13:50	
Dichlorodifluoromethane	ug/L	ND	5.0	04/10/09 13:50	
Ethylbenzene	ug/L	ND	5.0	04/10/09 13:50	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/10/09 13:50	
Methyl acetate	ug/L	ND	50.0	04/10/09 13:50	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/10/09 13:50	
Methylcyclohexane	ug/L	ND	50.0	04/10/09 13:50	
Methylene chloride	ug/L	ND	5.0	04/10/09 13:50	
Styrene	ug/L	ND	5.0	04/10/09 13:50	
Tetrachloroethene	ug/L	ND	5.0	04/10/09 13:50	
Toluene	ug/L	ND	5.0	04/10/09 13:50	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/10/09 13:50	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

METHOD BLANK: 286312 Matrix: Water

Associated Lab Samples: 5025055003, 5025055006, 5025055015, 5025055018, 5025055019, 5025055021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/10/09 13:50	
Trichloroethene	ug/L	ND	5.0	04/10/09 13:50	
Trichlorofluoromethane	ug/L	ND	5.0	04/10/09 13:50	
Vinyl chloride	ug/L	ND	2.0	04/10/09 13:50	
Xylene (Total)	ug/L	ND	10.0	04/10/09 13:50	
4-Bromofluorobenzene (S)	%	92	70-126	04/10/09 13:50	
Dibromofluoromethane (S)	%	105	80-123	04/10/09 13:50	
Toluene-d8 (S)	%	114	80-116	04/10/09 13:50	

LABORATORY CONTROL SAMPLE: 286313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.8	106	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	54.6	109	69-131	
1,1,2-Trichloroethane	ug/L	50	52.5	105	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	69.1	138	70-130	L3
1,1-Dichloroethane	ug/L	50	51.0	102	67-133	
1,1-Dichloroethene	ug/L	50	58.3	117	63-128	
1,2,4-Trichlorobenzene	ug/L	50	43.8	88	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	42.3	85	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.4	105	75-126	
1,2-Dichlorobenzene	ug/L	50	55.0	110	76-124	
1,2-Dichloroethane	ug/L	50	52.2	104	69-139	
1,2-Dichloropropane	ug/L	50	52.6	105	76-129	
1,3-Dichlorobenzene	ug/L	50	55.3	111	76-125	
1,4-Dichlorobenzene	ug/L	50	53.9	108	75-122	
2-Butanone (MEK)	ug/L	250	278	111	47-189	
2-Hexanone	ug/L	250	284	114	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	243	97	61-135	
Acetone	ug/L	250	355	142	30-170	
Benzene	ug/L	50	49.9	100	78-127	
Bromodichloromethane	ug/L	50	50.2	100	69-133	
Bromoform	ug/L	50	44.7	89	60-127	
Bromomethane	ug/L	50	46.9	94	30-170	
Carbon disulfide	ug/L	100	115	115	58-152	
Carbon tetrachloride	ug/L	50	55.1	110	62-143	
Chlorobenzene	ug/L	50	51.4	103	75-123	
Chloroethane	ug/L	50	64.7	129	56-153	
Chloroform	ug/L	50	56.1	112	74-131	
Chloromethane	ug/L	50	46.1	92	35-147	
cis-1,2-Dichloroethene	ug/L	50	56.8	114	74-128	
cis-1,3-Dichloropropene	ug/L	50	51.5	103	58-123	
Cyclohexane	ug/L	50	49.6J	99	63-134	
Dibromochloromethane	ug/L	50	50.9	102	66-131	
Dichlorodifluoromethane	ug/L	50	34.1	68	30-170	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

LABORATORY CONTROL SAMPLE: 286313

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	55.9	112	81-126	
Isopropylbenzene (Cumene)	ug/L	50	53.9	108	80-130	
Methyl acetate	ug/L	50	68.8	138	30-170	
Methyl-tert-butyl ether	ug/L	100	100	100	66-147	
Methylcyclohexane	ug/L	50	ND	98	65-135	
Methylene chloride	ug/L	50	51.4	103	32-164	
Styrene	ug/L	50	50.3	101	74-128	
Tetrachloroethene	ug/L	50	46.9	94	60-119	
Toluene	ug/L	50	52.5	105	75-129	
trans-1,2-Dichloroethene	ug/L	50	58.7	117	71-126	
trans-1,3-Dichloropropene	ug/L	50	49.2	98	54-123	
Trichloroethene	ug/L	50	53.4	107	74-130	
Trichlorofluoromethane	ug/L	50	59.2	118	62-150	
Vinyl chloride	ug/L	50	50.2	100	55-141	
Xylene (Total)	ug/L	150	159	106	76-132	
4-Bromofluorobenzene (S)	%			100	70-126	
Dibromofluoromethane (S)	%			109	80-123	
Toluene-d8 (S)	%			105	80-116	

MATRIX SPIKE SAMPLE: 286314

Parameter	Units	5025055003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	53.7	107	64-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	53.5	107	64-142	
1,1,2-Trichloroethane	ug/L	ND	50	51.8	104	71-143	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	65.9	132	70-130	M0
1,1-Dichloroethane	ug/L	ND	50	49.9	100	68-139	
1,1-Dichloroethene	ug/L	ND	50	58.4	117	55-140	
1,2,4-Trichlorobenzene	ug/L	ND	50	40.7	81	28-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	40.2	80	39-140	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50.8	102	67-134	
1,2-Dichlorobenzene	ug/L	ND	50	53.2	106	48-137	
1,2-Dichloroethane	ug/L	ND	50	51.9	104	63-148	
1,2-Dichloropropane	ug/L	ND	50	50.6	101	70-136	
1,3-Dichlorobenzene	ug/L	ND	50	52.8	106	40-143	
1,4-Dichlorobenzene	ug/L	ND	50	52.3	105	38-142	
2-Butanone (MEK)	ug/L	ND	250	224	89	62-132	
2-Hexanone	ug/L	ND	250	264	106	61-141	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	253	101	57-135	
Acetone	ug/L	ND	250	212	85	30-170	
Benzene	ug/L	ND	50	49.5	99	63-141	
Bromodichloromethane	ug/L	ND	50	49.3	99	63-135	
Bromoform	ug/L	ND	50	43.9	88	58-124	
Bromomethane	ug/L	ND	50	45.6	91	30-170	
Carbon disulfide	ug/L	ND	100	115	115	46-162	
Carbon tetrachloride	ug/L	ND	50	55.7	111	54-145	
Chlorobenzene	ug/L	ND	50	50.9	102	56-133	

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QUALITY CONTROL DATA

Project: Allison IN473.20.4
Pace Project No.: 5025055

MATRIX SPIKE SAMPLE: 286314

Parameter	Units	5025055003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	ND	50	58.5	117	54-157	
Chloroform	ug/L	ND	50	54.3	109	67-134	
Chloromethane	ug/L	ND	50	42.0	84	36-137	
cis-1,2-Dichloroethene	ug/L	ND	50	55.7	111	65-132	
cis-1,3-Dichloropropene	ug/L	ND	50	50.9	102	46-121	
Cyclohexane	ug/L	ND	50	49.6J	99	39-167	
Dibromochloromethane	ug/L	ND	50	50.0	100	64-124	
Dichlorodifluoromethane	ug/L	ND	50	33.7	67	30-163	
Ethylbenzene	ug/L	ND	50	56.7	113	44-151	
Isopropylbenzene (Cumene)	ug/L	ND	50	54.0	108	40-148	
Methyl acetate	ug/L	ND	50	59.7	119	40-182	
Methyl-tert-butyl ether	ug/L	ND	100	95.7	96	52-156	
Methylcyclohexane	ug/L	ND	50	ND	97	44-158	
Methylene chloride	ug/L	ND	50	50.7	101	46-154	
Styrene	ug/L	ND	50	49.8	100	38-141	
Tetrachloroethene	ug/L	ND	50	47.2	94	25-146	
Toluene	ug/L	ND	50	53.9	108	59-142	
trans-1,2-Dichloroethene	ug/L	ND	50	58.5	117	60-137	
trans-1,3-Dichloropropene	ug/L	ND	50	47.9	96	43-117	
Trichloroethene	ug/L	ND	50	52.7	105	61-137	
Trichlorofluoromethane	ug/L	ND	50	58.2	116	53-162	
Vinyl chloride	ug/L	ND	50	48.4	97	51-144	
Xylene (Total)	ug/L	ND	150	159	106	44-152	
4-Bromofluorobenzene (S)	%				100	70-126	
Dibromofluoromethane (S)	%				105	80-123	
Toluene-d8 (S)	%				106	80-116	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: Allison IN473.20.4
Pace Project No.: 5025055

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.

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.

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

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

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.
M0	Matrix spike recovery was outside laboratory control limits.

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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

10H

ID # № 08932

SSOW Ref. Code: E027021

Required Client Information:

Company: Arcadis	Report To: Sarah Fisher
Address: 251 E. Ohio St. Suite 800	Copy To: Heather Gastineau-Lyons
Indianapolis, IN 46204	Invoice To: IN473.20.4
	P.O.: ~~IN000473.0017.0000Z~~
Phone: 317 231 6500	Project Name: Allison Transmission
Fax: 317 231 6514	Project Number: ~~IN000473.0017.0000Z~~
E-mail: sfisher@arcadis-us.com / IN473.20.4	

Laboratory: PACE	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date:	TAT: Standard
QA/QC Requirements: Level IV QAQC	

5025055

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.	TB-1 (040609)-TK.	WGQ	4/6/09	0900	2		X					2	001
2.	MW-0818-S3 (040609)	WG		1100	3		X					3	002
3.	MW-0102-S2B (040609)			1220	3		X					3	003
4.	MW-0421-S2 (040609)			1335	3		X					3	004
5.	MW-0420-S2A (040609)			1545	3		X					3	005
6.	MW-0421-S3 (040609)			1445	3		X					3	006
7.	MW-0819-S2B (040609)			1630	9		X					9	MS/MSD 007
8.	EB-1 (040609)-TK.	WGQ		1645	3		X					3	008
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
		Thomas A Kolb / Arcadis	4/8/09	9:55	Zelma Tekard	4/8/09	9:55
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: WI 29/29 OK27 Pace.

Sampler Name: Thomas A Kolb

Sampler Signature: Thomas A Kolb Date: 4/6/09

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

REV. 0 (6/04)

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

Required Client Information:

Company: ARCADIS	Report To: K. GASTINEAU-LYONS
Address: 251 E. OHIO ST	Copy To: S. FISHER
STE. 800	Invoice To:
INDIANAPOLIS, IN 46204	P.O.:
Phone: 317-231-6500	Project Name:
Fax: 317-231-6514	Project Number: IN473.20.4
E-mail: KEATHER.GASTINEAU-LYONS@ARCADIS-US.COM	

Laboratory: PACE	
Laboratory Location: INDIANAPOLIS, IN	
Laboratory Contact: DONNA SPYKER	
Requested Due Date: STANDARD	TAT: STAND
QA/QC Requirements: LEVEL IV	

ID # № 08841

SSOW Ref. Code: E027021

5025055

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	Remarks/Lab ID
1.	MW-0805-S2B (040609)	WG	4-6-09	1007	3		X					3	009
2.	MW-0812-S2 (040609)	WG	4-6-09	1145	9		X					9	MS/MSD 010
3.	FD-1 (040609) RW	WG ~~WGQ~~	4-6-09	—	3		X					3	FIELD DUP 011
4.	EB-1 (040609) RW	WGQ	4-6-09	—	3		X					3	EQUIP BLANK 012
5.	TB-1 (040609) RW	WGQ	4-6-09	—	2		X					2	013 LAB SUPPLIED TRIP BLANK
6.	MW-0813-S2 (040609)	WG	4-6-09	1247	3		X					3	014
7.	MW-0637-S2B (040609)	WG	4-6-09	1334	3		X					3	015
8.	MW-0807-S2A (040609)	WG	4-6-09	1413	3		X					3	016
9.	MW-0808-S2 (040609)	WG	4-6-09	1455	3		X					3	017
10.	MW-0614-S2B (040609)	WG	4-6-09	1540	3		X					3	018
11.	MW-0613-S2A (040609)	WG	4-6-09	1616	3		X					3	019
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	4-6-09	18:00	[signature]	4/6/09	18:00
AIRBILL NO.		[signature]	4/8/09	9:55	Zakam Tekert	4/8/09	9:55

Sample Condition

Temp in °C	3.1°C
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments: NI 38/38 OK24 Pace.

Sampler Name: KANDAIL WOODRUFF

Sampler Signature: [signature] Date: 4-6-09

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

REV. 0 (6/04)

PAGE 03 OF 09

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 # № 08934

SSOW Ref. Code: E027021

Required Client Information:

Company: ARCADIS	Report To: Heather Gastineau-Lyons
Address: 251 E Ohio St. Ste. 800	Copy To: Sarah Fisher
Indianapolis, IN 46204	Invoice To:
	P.O.: ZN473.20.4
Phone: 317 2316500	Project Name: Allison Transmission
Fax: 317 231 6514	Project Number: ~~IN000473.0017.00002~~
E-mail: Heather.Gastineau-Lyons@arcadis-us.com	

Laboratory:	Pace Analytical
Laboratory Location:	Indianapolis, IN
Laboratory Contact:	
Requested Due Date:	STANDARD ~~TAT~~ →
QA/QC Requirements:	Level IV

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

Preservative

Analysis and Method

5025055

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 8260										Remarks/Lab ID
1.	TB-1 (040609) -TP	WQQ	—	—	3		X					X										LAB SUPPLIED 020
2.	MW-S3-0601 (040609)	WG	4/6/09	1155	3		X					X										021
3.	MW-S2B-0501 (040609)	WG	4/6/09	1320	3		X					X										022
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
	1	T. Porter / ARCADIS	4/8/09	9:55	Zeken Tekert	4/8/09	9:55
AIRBILL NO.							

Sample Condition

Temp in °C	1.9°C
Received on Ice	(Y) / N
Sealed Cooler	Y / (N)
Samples Intact	(Y) / N

Additional Comments: WI Rec 10 / COC 9

Pace Rec 4 TB

Sampler Name: Tim Porter

Sampler Signature: [signature] Date: 4/6/09

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 # 5025055

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 12345(6) **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2.3°C **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: 4/8/09 ZT.

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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): N/A		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COC 08937

Project Manager Review: [signature] **Date:** 4/8/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Sample Condition Upon Receipt

Pace Analytical

Client Name: Arcadis Project # 5025055

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 1 2 3 4 5 (6) **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.1°c **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 4/8/09 JT

				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.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☐No	☑N/A	6.
Rush Turn Around Time Requested:	☐Yes	☐No	☑N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☑Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): N/A				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COC 68841

Project Manager Review: [signature] **Date:** 4/8/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Sample Condition Upon Receipt

Pace Analytical

Client Name: ArCadis Project # 9025056

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

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

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

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

Thermometer Used 123456 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.9°C **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: 4/8/09 ZT

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.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☐No ☑N/A	6.
Rush Turn Around Time Requested:	☐Yes ☐No ☑N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COC 08934

Project Manager Review: [signature] **Date:** 4/8/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical®
www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Project Number 5025055

Initials/ Date Compiled amr 4-16-09

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040609)-TK
Lab ID: 5025055001
Collected: 04/06/09 09:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 01:38	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 01:38	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 01:38	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 01:38	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 01:38	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 01:38	
460-00-4	4-Bromofluorobenzene (S)	**101**	%	70-126		1		04/10/09 01:38	
2037-26-5	Toluene-d8 (S)	**110**	%	80-116		1		04/10/09 01:38	

Date: 04/16/2009 11:42 AM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0818-S3(040609)
Lab ID: 5025055002
Collected: 04/06/09 11:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 02:12	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 02:12	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 02:12	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 02:12	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 02:12	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 02:12	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 02:12	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 02:12	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 02:12	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 02:12	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 02:12	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 02:12	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 02:12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 02:12	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 02:12	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 02:12	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 02:12	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 02:12	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 02:12	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 02:12	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 02:12	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 02:12	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 02:12	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 02:12	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 02:12	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 02:12	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 02:12	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 02:12	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 02:12	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 02:12	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 02:12	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 02:12	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 02:12	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 02:12	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 02:12	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 02:12	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 02:12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 02:12	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 02:12	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 02:12	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 02:12	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 02:12	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 02:12	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0818-S3(040609)
Lab ID: 5025055002
Collected: 04/06/09 11:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 02:12	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 02:12	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 02:12	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 02:12	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 02:12	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/10/09 02:12	
460-00-4	4-Bromofluorobenzene (S)	**101**	%	70-126		1		04/10/09 02:12	
2037-26-5	Toluene-d8 (S)	**108**	%	80-116		1		04/10/09 02:12	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0102-S2B(040609)
Lab ID: 5025055003
Collected: 04/06/09 12:20
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 14:24	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 14:24	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 14:24	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 14:24	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 14:24	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 14:24	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 14:24	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 14:24	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 14:24	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 14:24	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 14:24	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 14:24	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 14:24	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 14:24	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 14:24	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 14:24	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 14:24	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 14:24	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 14:24	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 14:24	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 14:24	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 14:24	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 14:24	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 14:24	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 14:24	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 14:24	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 14:24	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 14:24	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 14:24	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 14:24	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 14:24	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 14:24	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 14:24	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 14:24	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 14:24	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 14:24	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 14:24	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 14:24	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 14:24	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 14:24	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 14:24	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 14:24	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 14:24	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0102-S2B(040609)
Lab ID: 5025055003
Collected: 04/06/09 12:20
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 14:24	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 14:24	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 14:24	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 14:24	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 14:24	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 14:24	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 14:24	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 14:24	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S2(040609)
Lab ID: 5025055004
Collected: 04/06/09 13:35
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 02:45	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 02:45	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 02:45	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 02:45	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 02:45	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 02:45	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 02:45	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 02:45	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 02:45	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 02:45	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 02:45	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 02:45	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 02:45	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 02:45	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 02:45	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 02:45	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 02:45	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 02:45	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 02:45	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 02:45	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 02:45	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 02:45	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 02:45	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 02:45	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 02:45	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 02:45	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 02:45	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 02:45	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 02:45	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 02:45	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 02:45	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 02:45	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 02:45	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 02:45	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 02:45	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 02:45	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 02:45	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 02:45	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 02:45	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 02:45	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 02:45	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 02:45	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 02:45	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S2(040609)
Lab ID: 5025055004
Collected: 04/06/09 13:35
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 02:45	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 02:45	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 02:45	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 02:45	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 02:45	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/10/09 02:45	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 02:45	
2037-26-5	Toluene-d8 (S)	**107**	%	80-116		1		04/10/09 02:45	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0420-S2A(040609)
Lab ID: 5025055005
Collected: 04/06/09 15:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 03:19	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 03:19	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 03:19	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 03:19	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 03:19	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 03:19	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 03:19	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 03:19	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 03:19	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 03:19	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 03:19	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 03:19	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 03:19	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 03:19	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 03:19	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 03:19	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 03:19	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 03:19	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 03:19	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 03:19	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 03:19	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 03:19	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 03:19	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 03:19	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 03:19	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 03:19	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 03:19	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 03:19	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 03:19	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 03:19	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 03:19	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 03:19	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 03:19	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 03:19	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 03:19	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 03:19	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 03:19	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 03:19	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 03:19	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 03:19	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 03:19	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 03:19	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 03:19	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0420-S2A(040609)
Lab ID: 5025055005
Collected: 04/06/09 15:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 03:19	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 03:19	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 03:19	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 03:19	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 03:19	
1868-53-7	Dibromofluoromethane (S)	**109**	%	80-123		1		04/10/09 03:19	
460-00-4	4-Bromofluorobenzene (S)	**104**	%	70-126		1		04/10/09 03:19	
2037-26-5	Toluene-d8 (S)	**110**	%	80-116		1		04/10/09 03:19	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S3(040609)
Lab ID: 5025055006
Collected: 04/06/09 14:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 15:31	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 15:31	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 15:31	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 15:31	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 15:31	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 15:31	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 15:31	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 15:31	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 15:31	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 15:31	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 15:31	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 15:31	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 15:31	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 15:31	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 15:31	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 15:31	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 15:31	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 15:31	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 15:31	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 15:31	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 15:31	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 15:31	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 15:31	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 15:31	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 15:31	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 15:31	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 15:31	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 15:31	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 15:31	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 15:31	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 15:31	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 15:31	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 15:31	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 15:31	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 15:31	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 15:31	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 15:31	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 15:31	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 15:31	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 15:31	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 15:31	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 15:31	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 15:31	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0421-S3(040609)
Lab ID: 5025055006
Collected: 04/06/09 14:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 15:31	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 15:31	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 15:31	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 15:31	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 15:31	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/10/09 15:31	
460-00-4	4-Bromofluorobenzene (S)	**101**	%	70-126		1		04/10/09 15:31	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 15:31	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0819-S2B(040609)
Lab ID: 5025055007
Collected: 04/06/09 16:30
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/09/09 21:41	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/09/09 21:41	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/09/09 21:41	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/09/09 21:41	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/09/09 21:41	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/09/09 21:41	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/09/09 21:41	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/09/09 21:41	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/09/09 21:41	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/09/09 21:41	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/09/09 21:41	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/09/09 21:41	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/09/09 21:41	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/09/09 21:41	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/09/09 21:41	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/09/09 21:41	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/09/09 21:41	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/09/09 21:41	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/09/09 21:41	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/09/09 21:41	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/09/09 21:41	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/09/09 21:41	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/09/09 21:41	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/09/09 21:41	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/09/09 21:41	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/09/09 21:41	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/09/09 21:41	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/09/09 21:41	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/09/09 21:41	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/09/09 21:41	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/09/09 21:41	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/09/09 21:41	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/09/09 21:41	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/09/09 21:41	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/09/09 21:41	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/09/09 21:41	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/09/09 21:41	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/09/09 21:41	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/09/09 21:41	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/09/09 21:41	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/09/09 21:41	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/09/09 21:41	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/09/09 21:41	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0819-S2B(040609)
Lab ID: 5025055007
Collected: 04/06/09 16:30
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/09/09 21:41	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/09/09 21:41	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/09/09 21:41	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/09/09 21:41	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/09/09 21:41	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/09/09 21:41	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		04/09/09 21:41	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/09/09 21:41	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: EB-1(040609)-TK
Lab ID: 5025055008
Collected: 04/06/09 16:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 03:53	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 03:53	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 03:53	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 03:53	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 03:53	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 03:53	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 03:53	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 03:53	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 03:53	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 03:53	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 03:53	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 03:53	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 03:53	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 03:53	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 03:53	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 03:53	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 03:53	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 03:53	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 03:53	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 03:53	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 03:53	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 03:53	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 03:53	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 03:53	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 03:53	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 03:53	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 03:53	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 03:53	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 03:53	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 03:53	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 03:53	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 03:53	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 03:53	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 03:53	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 03:53	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 03:53	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 03:53	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 03:53	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 03:53	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 03:53	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 03:53	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 03:53	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 03:53	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: EB-1(040609)-TK
Lab ID: 5025055008
Collected: 04/06/09 16:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 03:53	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 03:53	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 03:53	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 03:53	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 03:53	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 03:53	
460-00-4	4-Bromofluorobenzene (S)	**102**	%	70-126		1		04/10/09 03:53	
2037-26-5	Toluene-d8 (S)	**108**	%	80-116		1		04/10/09 03:53	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0805-S2B(040609)
Lab ID: 5025055009
Collected: 04/06/09 10:07
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 04:26	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 04:26	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 04:26	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 04:26	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 04:26	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 04:26	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 04:26	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 04:26	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 04:26	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 04:26	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 04:26	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 04:26	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 04:26	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 04:26	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 04:26	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 04:26	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 04:26	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 04:26	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 04:26	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 04:26	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 04:26	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 04:26	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 04:26	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 04:26	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 04:26	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 04:26	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 04:26	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 04:26	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 04:26	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 04:26	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 04:26	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 04:26	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 04:26	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 04:26	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 04:26	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 04:26	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 04:26	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 04:26	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 04:26	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 04:26	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 04:26	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 04:26	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 04:26	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0805-S2B(040609)
Lab ID: 5025055009
Collected: 04/06/09 10:07
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 04:26	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 04:26	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 04:26	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 04:26	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 04:26	
1868-53-7	Dibromofluoromethane (S)	**109**	%	80-123		1		04/10/09 04:26	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 04:26	
2037-26-5	Toluene-d8 (S)	**108**	%	80-116		1		04/10/09 04:26	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0812-S2(040609)
Lab ID: 5025055010
Collected: 04/06/09 11:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 05:00	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 05:00	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 05:00	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 05:00	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 05:00	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 05:00	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 05:00	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 05:00	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 05:00	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 05:00	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 05:00	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 05:00	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 05:00	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 05:00	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 05:00	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 05:00	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 05:00	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 05:00	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 05:00	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 05:00	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 05:00	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 05:00	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 05:00	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 05:00	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 05:00	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 05:00	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 05:00	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 05:00	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 05:00	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 05:00	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 05:00	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 05:00	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 05:00	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 05:00	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 05:00	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 05:00	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 05:00	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 05:00	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 05:00	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 05:00	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 05:00	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 05:00	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 05:00	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0812-S2(040609)
Lab ID: 5025055010
Collected: 04/06/09 11:45
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 05:00	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 05:00	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 05:00	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 05:00	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 05:00	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 05:00	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 05:00	
2037-26-5	Toluene-d8 (S)	**110**	%	80-116		1		04/10/09 05:00	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(040609)RW
Lab ID: 5025055011
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 06:41	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 06:41	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 06:41	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 06:41	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 06:41	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 06:41	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 06:41	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 06:41	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 06:41	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 06:41	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 06:41	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 06:41	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 06:41	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 06:41	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 06:41	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 06:41	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 06:41	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 06:41	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 06:41	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 06:41	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 06:41	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 06:41	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 06:41	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 06:41	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 06:41	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 06:41	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 06:41	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 06:41	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 06:41	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 06:41	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 06:41	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 06:41	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 06:41	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 06:41	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 06:41	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 06:41	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 06:41	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 06:41	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 06:41	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 06:41	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 06:41	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 06:41	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 06:41	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(040609)RW
Lab ID: 5025055011
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 06:41	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 06:41	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 06:41	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 06:41	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 06:41	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 06:41	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 06:41	
2037-26-5	Toluene-d8 (S)	**108**	%	80-116		1		04/10/09 06:41	

Date: 04/16/2009 11:42 AM

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: EB-1(040609)RW
Lab ID: 5025055012
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 07:15	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 07:15	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 07:15	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 07:15	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 07:15	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 07:15	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 07:15	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 07:15	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 07:15	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 07:15	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 07:15	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 07:15	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 07:15	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 07:15	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 07:15	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 07:15	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 07:15	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 07:15	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 07:15	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 07:15	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 07:15	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 07:15	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 07:15	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 07:15	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 07:15	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 07:15	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 07:15	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 07:15	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 07:15	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 07:15	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 07:15	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 07:15	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 07:15	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 07:15	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 07:15	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 07:15	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 07:15	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 07:15	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 07:15	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 07:15	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 07:15	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 07:15	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 07:15	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: EB-1(040609)RW
Lab ID: 5025055012
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 07:15	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 07:15	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 07:15	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 07:15	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 07:15	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/10/09 07:15	
460-00-4	4-Bromofluorobenzene (S)	**103**	%	70-126		1		04/10/09 07:15	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 07:15	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040609)RW
Lab ID: 5025055013
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 07:48	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 07:48	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 07:48	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 07:48	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 07:48	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 07:48	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 07:48	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 07:48	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 07:48	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 07:48	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 07:48	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 07:48	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 07:48	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 07:48	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 07:48	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 07:48	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 07:48	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 07:48	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 07:48	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 07:48	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 07:48	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 07:48	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 07:48	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 07:48	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 07:48	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 07:48	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 07:48	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 07:48	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 07:48	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 07:48	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 07:48	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 07:48	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 07:48	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 07:48	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 07:48	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 07:48	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 07:48	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 07:48	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 07:48	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 07:48	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 07:48	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 07:48	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 07:48	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040609)RW
Lab ID: 5025055013
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 07:48	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 07:48	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 07:48	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 07:48	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 07:48	
1868-53-7	Dibromofluoromethane (S)	**105**	%	80-123		1		04/10/09 07:48	
460-00-4	4-Bromofluorobenzene (S)	**101**	%	70-126		1		04/10/09 07:48	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 07:48	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0813-S2(040609)
Lab ID: 5025055014
Collected: 04/06/09 12:47
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 10:38	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 10:38	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 10:38	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 10:38	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 10:38	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 10:38	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 10:38	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 10:38	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 10:38	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 10:38	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 10:38	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 10:38	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 10:38	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 10:38	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 10:38	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 10:38	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 10:38	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 10:38	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 10:38	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 10:38	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 10:38	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 10:38	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 10:38	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 10:38	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 10:38	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 10:38	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 10:38	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 10:38	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 10:38	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 10:38	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 10:38	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 10:38	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 10:38	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 10:38	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 10:38	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 10:38	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 10:38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 10:38	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 10:38	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 10:38	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 10:38	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 10:38	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 10:38	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0813-S2(040609)
Lab ID: 5025055014
Collected: 04/06/09 12:47
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 10:38	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 10:38	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 10:38	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 10:38	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 10:38	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/10/09 10:38	
460-00-4	4-Bromofluorobenzene (S)	**101**	%	70-126		1		04/10/09 10:38	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 10:38	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0637-S2B(040609)
Lab ID: 5025055015
Collected: 04/06/09 13:34
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 16:05	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 16:05	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 16:05	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 16:05	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 16:05	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 16:05	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 16:05	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 16:05	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 16:05	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 16:05	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 16:05	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 16:05	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 16:05	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 16:05	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 16:05	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 16:05	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 16:05	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 16:05	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 16:05	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 16:05	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 16:05	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 16:05	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 16:05	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 16:05	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 16:05	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 16:05	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 16:05	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 16:05	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 16:05	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 16:05	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 16:05	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 16:05	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 16:05	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 16:05	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 16:05	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 16:05	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 16:05	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 16:05	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 16:05	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 16:05	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 16:05	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 16:05	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 16:05	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0637-S2B(040609)
Lab ID: 5025055015
Collected: 04/06/09 13:34
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 16:05	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 16:05	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 16:05	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 16:05	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 16:05	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/10/09 16:05	
460-00-4	4-Bromofluorobenzene (S)	**102**	%	70-126		1		04/10/09 16:05	
2037-26-5	Toluene-d8 (S)	**110**	%	80-116		1		04/10/09 16:05	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0807-S2A(040609)
Lab ID: 5025055016
Collected: 04/06/09 14:13
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 08:22	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 08:22	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 08:22	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 08:22	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 08:22	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 08:22	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 08:22	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 08:22	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 08:22	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 08:22	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 08:22	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 08:22	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 08:22	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 08:22	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 08:22	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 08:22	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 08:22	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 08:22	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 08:22	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 08:22	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 08:22	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 08:22	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 08:22	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 08:22	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 08:22	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 08:22	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 08:22	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 08:22	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 08:22	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 08:22	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 08:22	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 08:22	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 08:22	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 08:22	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 08:22	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 08:22	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 08:22	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 08:22	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 08:22	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 08:22	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 08:22	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 08:22	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 08:22	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0807-S2A(040609)
Lab ID: 5025055016
Collected: 04/06/09 14:13
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 08:22	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 08:22	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 08:22	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 08:22	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 08:22	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/10/09 08:22	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 08:22	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 08:22	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0808-S2(040609)
Lab ID: 5025055017
Collected: 04/06/09 14:55
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 08:56	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 08:56	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 08:56	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 08:56	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 08:56	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 08:56	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 08:56	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 08:56	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 08:56	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 08:56	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 08:56	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 08:56	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 08:56	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 08:56	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 08:56	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 08:56	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 08:56	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 08:56	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 08:56	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 08:56	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 08:56	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 08:56	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 08:56	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 08:56	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 08:56	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 08:56	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 08:56	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 08:56	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 08:56	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 08:56	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 08:56	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 08:56	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 08:56	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 08:56	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 08:56	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 08:56	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 08:56	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 08:56	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 08:56	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 08:56	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 08:56	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 08:56	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 08:56	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0808-S2(040609)
Lab ID: 5025055017
Collected: 04/06/09 14:55
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 08:56	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 08:56	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 08:56	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 08:56	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 08:56	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 08:56	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 08:56	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 08:56	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0614-S2B(040609)
Lab ID: 5025055018
Collected: 04/06/09 15:40
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 16:38	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 16:38	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 16:38	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 16:38	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 16:38	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 16:38	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 16:38	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 16:38	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 16:38	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 16:38	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 16:38	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 16:38	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 16:38	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 16:38	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 16:38	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 16:38	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 16:38	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 16:38	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 16:38	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 16:38	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 16:38	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 16:38	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 16:38	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 16:38	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 16:38	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 16:38	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 16:38	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 16:38	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 16:38	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 16:38	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 16:38	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 16:38	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 16:38	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 16:38	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 16:38	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 16:38	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 16:38	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 16:38	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 16:38	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 16:38	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 16:38	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 16:38	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 16:38	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0614-S2B(040609)
Lab ID: 5025055018
Collected: 04/06/09 15:40
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 16:38	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 16:38	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 16:38	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 16:38	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 16:38	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/10/09 16:38	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		04/10/09 16:38	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 16:38	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0613-S2A(040609)
Lab ID: 5025055019
Collected: 04/06/09 16:16
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 17:12	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 17:12	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 17:12	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 17:12	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 17:12	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 17:12	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 17:12	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 17:12	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 17:12	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 17:12	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 17:12	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 17:12	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 17:12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 17:12	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 17:12	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 17:12	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 17:12	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 17:12	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 17:12	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 17:12	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 17:12	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 17:12	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 17:12	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 17:12	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 17:12	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 17:12	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 17:12	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 17:12	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 17:12	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 17:12	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 17:12	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 17:12	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 17:12	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 17:12	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 17:12	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 17:12	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 17:12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 17:12	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 17:12	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 17:12	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 17:12	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 17:12	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 17:12	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0613-S2A(040609)
Lab ID: 5025055019
Collected: 04/06/09 16:16
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 17:12	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 17:12	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 17:12	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 17:12	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 17:12	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/10/09 17:12	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		04/10/09 17:12	
2037-26-5	Toluene-d8 (S)	**109**	%	80-116		1		04/10/09 17:12	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040609)-TP
Lab ID: 5025055020
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 09:30	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 09:30	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 09:30	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 09:30	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 09:30	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 09:30	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 09:30	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 09:30	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 09:30	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 09:30	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 09:30	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 09:30	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 09:30	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 09:30	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 09:30	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 09:30	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 09:30	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 09:30	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 09:30	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 09:30	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 09:30	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 09:30	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 09:30	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 09:30	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 09:30	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 09:30	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 09:30	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 09:30	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 09:30	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 09:30	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 09:30	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 09:30	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 09:30	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 09:30	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 09:30	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 09:30	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 09:30	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 09:30	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 09:30	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 09:30	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 09:30	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 09:30	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 09:30	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040609)-TP
Lab ID: 5025055020
Collected: 04/06/09 08:00
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 09:30	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 09:30	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 09:30	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 09:30	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 09:30	
1868-53-7	Dibromofluoromethane (S)	**105**	%	80-123		1		04/10/09 09:30	
460-00-4	4-Bromofluorobenzene (S)	**97**	%	70-126		1		04/10/09 09:30	
2037-26-5	Toluene-d8 (S)	**108**	%	80-116		1		04/10/09 09:30	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0601(040609)
Lab ID: 5025055021
Collected: 04/06/09 11:55
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 17:46	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 17:46	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 17:46	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 17:46	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 17:46	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 17:46	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 17:46	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 17:46	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 17:46	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 17:46	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 17:46	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 17:46	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 17:46	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 17:46	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 17:46	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 17:46	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 17:46	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 17:46	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 17:46	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 17:46	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	1		04/10/09 17:46	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 17:46	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 17:46	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	1		04/10/09 17:46	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	1		04/10/09 17:46	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 17:46	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 17:46	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 17:46	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 17:46	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 17:46	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 17:46	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 17:46	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 17:46	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 17:46	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 17:46	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 17:46	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 17:46	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 17:46	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 17:46	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 17:46	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 17:46	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 17:46	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 17:46	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0601(040609)
Lab ID: 5025055021
Collected: 04/06/09 11:55
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 17:46	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 17:46	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 17:46	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	1		04/10/09 17:46	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 17:46	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/10/09 17:46	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		04/10/09 17:46	
2037-26-5	Toluene-d8 (S)	**108**	%	80-116		1		04/10/09 17:46	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2B-0501(040609)
Lab ID: 5025055022
Collected: 04/06/09 13:20
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	2.4	1		04/10/09 10:04	
71-43-2	Benzene	ND	ug/L	5.0	0.31	1		04/10/09 10:04	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	1		04/10/09 10:04	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	1		04/10/09 10:04	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	1		04/10/09 10:04	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	1		04/10/09 10:04	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	1		04/10/09 10:04	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	1		04/10/09 10:04	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	1		04/10/09 10:04	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	1		04/10/09 10:04	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	1		04/10/09 10:04	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	1		04/10/09 10:04	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	1		04/10/09 10:04	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	1		04/10/09 10:04	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	1		04/10/09 10:04	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	1		04/10/09 10:04	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	1		04/10/09 10:04	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	1		04/10/09 10:04	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	1		04/10/09 10:04	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	1		04/10/09 10:04	
75-34-3	1,1-Dichloroethane	**5.0**	ug/L	5.0	0.39	1		04/10/09 10:04	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	1		04/10/09 10:04	
75-35-4	1,1-Dichloroethene	**5.2**	ug/L	5.0	0.40	1		04/10/09 10:04	
156-59-2	cis-1,2-Dichloroethene	**71.9**	ug/L	5.0	0.28	1		04/10/09 10:04	
156-60-5	trans-1,2-Dichloroethene	**6.0**	ug/L	5.0	0.39	1		04/10/09 10:04	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	1		04/10/09 10:04	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	1		04/10/09 10:04	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	1		04/10/09 10:04	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	1		04/10/09 10:04	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	1		04/10/09 10:04	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	1		04/10/09 10:04	
79-20-9	Methyl acetate	ND	ug/L	50.0		1		04/10/09 10:04	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		1		04/10/09 10:04	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	1		04/10/09 10:04	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	1		04/10/09 10:04	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	1		04/10/09 10:04	
100-42-5	Styrene	ND	ug/L	5.0	0.34	1		04/10/09 10:04	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	1		04/10/09 10:04	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	1		04/10/09 10:04	
108-88-3	Toluene	ND	ug/L	5.0	0.18	1		04/10/09 10:04	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	1		04/10/09 10:04	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	1		04/10/09 10:04	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	1		04/10/09 10:04	

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ANALYTICAL RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2B-0501(040609)
Lab ID: 5025055022
Collected: 04/06/09 13:20
Received: 04/08/09 09:55

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	1		04/10/09 10:04	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	1		04/10/09 10:04	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	1		04/10/09 10:04	
75-01-4	Vinyl chloride	**33.9**	ug/L	2.0	1.8	1		04/10/09 10:04	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	1		04/10/09 10:04	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/10/09 10:04	
460-00-4	4-Bromofluorobenzene (S)	**100**	%	70-126		1		04/10/09 10:04	
2037-26-5	Toluene-d8 (S)	**107**	%	80-116		1		04/10/09 10:04	

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METHOD BLANK RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15548
Method(s): EPA 8260
Associated Lab Samples: 5025055007

Prepared:

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	04/09/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	04/09/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	04/09/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	04/09/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	04/09/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	04/09/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	04/09/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	04/09/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	04/09/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	04/09/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	04/09/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	04/09/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	04/09/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	04/09/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	04/09/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	04/09/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	04/09/09	
67-64-1	Acetone	ND	ug/L	100	2.4	04/09/09	
71-43-2	Benzene	ND	ug/L	5.0	0.31	04/09/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	04/09/09	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	04/09/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	04/09/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	04/09/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	04/09/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	04/09/09	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	04/09/09	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	04/09/09	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	04/09/09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	04/09/09	

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METHOD BLANK RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15548 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025055007

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	04/09/09	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	04/09/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	04/09/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	04/09/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	04/09/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	04/09/09	
79-20-9	Methyl acetate	ND	ug/L	50.0		04/09/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	04/09/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		04/09/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	04/09/09	
100-42-5	Styrene	ND	ug/L	5.0	0.34	04/09/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	04/09/09	
108-88-3	Toluene	ND	ug/L	5.0	0.18	04/09/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	04/09/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	04/09/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	04/09/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	04/09/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	04/09/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	04/09/09	

Type	Sample	Matrix
BLANK	285649	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV / 15548
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
285649	BLANK		1	100		106		108							
285650	LCS		1	101		108		103							
285651	MS		1	100		108		105							
285652	MSD		1	102		107		104							
5025055007	OQS	MW-0819-S2B(040609)	1	99		108		109							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15548 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	100			69-136		50	50.0		ug/L	04/09/09			
1,1,2,2-Tetrachloroethane	104			69-131		50	51.9		ug/L	04/09/09			
1,1,2-Trichloroethane	100			77-132		50	49.8		ug/L	04/09/09			
1,1,2-Trichlorotrifluoroethane	132			70-130		50	66.2		ug/L	04/09/09		L3	
1,1-Dichloroethane	98			67-133		50	48.9		ug/L	04/09/09			
1,1-Dichloroethene	112			63-128		50	56.2		ug/L	04/09/09			
1,2,4-Trichlorobenzene	83			60-130		50	41.5		ug/L	04/09/09			
1,2-Dibromo-3-chloropropane	79			61-125		50	39.4		ug/L	04/09/09			
1,2-Dibromoethane (EDB)	96			75-126		50	47.9		ug/L	04/09/09			
1,2-Dichlorobenzene	102			76-124		50	50.8		ug/L	04/09/09			
1,2-Dichloroethane	106			69-139		50	52.8		ug/L	04/09/09			
1,2-Dichloropropane	103			76-129		50	51.5		ug/L	04/09/09			
1,3-Dichlorobenzene	101			76-125		50	50.5		ug/L	04/09/09			
1,4-Dichlorobenzene	99			75-122		50	49.5		ug/L	04/09/09			
2-Butanone (MEK)	103			47-189		250	257		ug/L	04/09/09			
2-Hexanone	106			57-167		250	264		ug/L	04/09/09			
4-Methyl-2-pentanone (MIBK)	93			61-135		250	234		ug/L	04/09/09			
Acetone	124			30-170		250	310		ug/L	04/09/09			
Benzene	96			78-127		50	48.1		ug/L	04/09/09			
Bromodichloromethane	98			69-133		50	48.9		ug/L	04/09/09			
Bromoform	83			60-127		50	41.3		ug/L	04/09/09			
Bromomethane	72			30-170		50	35.9		ug/L	04/09/09			
Carbon disulfide	114			58-152		100	114		ug/L	04/09/09			
Carbon tetrachloride	105			62-143		50	52.7		ug/L	04/09/09			
Chlorobenzene	94			75-123		50	47.1		ug/L	04/09/09			
Chloroethane	118			56-153		50	59.1		ug/L	04/09/09			
Chloroform	106			74-131		50	52.9		ug/L	04/09/09			
Chloromethane	104			35-147		50	52.1		ug/L	04/09/09			
cis-1,2-Dichloroethene	108			74-128		50	54.0		ug/L	04/09/09			

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(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15548 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	96			58-123		50	48.0		ug/L	04/09/09			
Cyclohexane	97			63-134		50	48.6J		ug/L	04/09/09			
Dibromochloromethane	95			66-131		50	47.4		ug/L	04/09/09			
Dichlorodifluoromethane	100			30-170		50	50.1		ug/L	04/09/09			
Ethylbenzene	103			81-126		50	51.3		ug/L	04/09/09			
Isopropylbenzene (Cumene)	101			80-130		50	50.4		ug/L	04/09/09			
Methyl acetate	133			30-170		50	66.5		ug/L	04/09/09			
Methyl-tert-butyl ether	98			66-147		100	97.5		ug/L	04/09/09			
Methylcyclohexane	97			65-135		50	ND		ug/L	04/09/09			
Methylene chloride	101			32-164		50	50.4		ug/L	04/09/09			
Styrene	94			74-128		50	46.8		ug/L	04/09/09			
Tetrachloroethene	87			60-119		50	43.6		ug/L	04/09/09			
Toluene	98			75-129		50	49.0		ug/L	04/09/09			
trans-1,2-Dichloroethene	112			71-126		50	55.8		ug/L	04/09/09			
trans-1,3-Dichloropropene	92			54-123		50	46.2		ug/L	04/09/09			
Trichloroethene	102			74-130		50	51.1		ug/L	04/09/09			
Trichlorofluoromethane	113			62-150		50	56.4		ug/L	04/09/09			
Vinyl chloride	108			55-141		50	54.1		ug/L	04/09/09			
Xylene (Total)	99			76-132		150	148		ug/L	04/09/09			

Type	Sample
LCS	285650

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15548
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	47.1	50.6	1	1	94	101	64-143	7	20	04/09/09	04/09/09		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	48.4	52.2	1	1	97	104	64-142	8	20	04/09/09	04/09/09		
1,1,2-Trichloroethane	ug/L	ND	50	50	45.7	48.5	1	1	91	97	71-143	6	20	04/09/09	04/09/09		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	59.0	62.2	1	1	118	124	70-130	5	20	04/09/09	04/09/09		
1,1-Dichloroethane	ug/L	ND	50	50	43.8	47.0	1	1	88	94	68-139	7	20	04/09/09	04/09/09		
1,1-Dichloroethene	ug/L	ND	50	50	51.9	54.0	1	1	104	108	55-140	4	20	04/09/09	04/09/09		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	37.1	39.1	1	1	74	78	28-140	5	20	04/09/09	04/09/09		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	38.3	42.8	1	1	77	86	39-140	11	20	04/09/09	04/09/09		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	44.8	48.3	1	1	90	97	67-134	7	20	04/09/09	04/09/09		
1,2-Dichlorobenzene	ug/L	ND	50	50	46.8	49.7	1	1	94	99	48-137	6	20	04/09/09	04/09/09		
1,2-Dichloroethane	ug/L	ND	50	50	46.5	47.8	1	1	93	96	63-148	3	20	04/09/09	04/09/09		
1,2-Dichloropropane	ug/L	ND	50	50	45.5	48.3	1	1	91	97	70-136	6	20	04/09/09	04/09/09		
1,3-Dichlorobenzene	ug/L	ND	50	50	45.9	49.9	1	1	92	100	40-143	8	20	04/09/09	04/09/09		
1,4-Dichlorobenzene	ug/L	ND	50	50	45.1	48.5	1	1	90	97	38-142	7	20	04/09/09	04/09/09		
2-Butanone (MEK)	ug/L	ND	250	250	215	234	1	1	86	94	62-132	9	20	04/09/09	04/09/09		
2-Hexanone	ug/L	ND	250	250	237	257	1	1	95	103	61-141	8	20	04/09/09	04/09/09		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	223	241	1	1	89	96	57-135	8	20	04/09/09	04/09/09		
Acetone	ug/L	ND	250	250	208	224	1	1	83	90	30-170	7	20	04/09/09	04/09/09		
Benzene	ug/L	ND	50	50	43.8	46.5	1	1	88	93	63-141	6	20	04/09/09	04/09/09		
Bromodichloromethane	ug/L	ND	50	50	43.6	46.8	1	1	87	94	63-135	7	20	04/09/09	04/09/09		
Bromoform	ug/L	ND	50	50	39.0	42.4	1	1	78	85	58-124	8	20	04/09/09	04/09/09		
Bromomethane	ug/L	ND	50	50	32.7	33.3	1	1	65	67	30-170	2	20	04/09/09	04/09/09		
Carbon disulfide	ug/L	ND	100	100	106	111	1	1	106	111	46-162	5	20	04/09/09	04/09/09		
Carbon tetrachloride	ug/L	ND	50	50	49.8	52.5	1	1	100	105	54-145	5	20	04/09/09	04/09/09		
Chlorobenzene	ug/L	ND	50	50	44.9	48.9	1	1	90	98	56-133	9	20	04/09/09	04/09/09		
Chloroethane	ug/L	ND	50	50	48.7	57.4	1	1	97	115	54-157	16	20	04/09/09	04/09/09		
Chloroform	ug/L	ND	50	50	48.0	51.8	1	1	96	104	67-134	8	20	04/09/09	04/09/09		
Chloromethane	ug/L	ND	50	50	45.1	49.0	1	1	90	98	36-137	8	20	04/09/09	04/09/09		
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.5	53.1	1	1	101	106	65-132	5	20	04/09/09	04/09/09		

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15548
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	43.1	46.5	1	1	86	93	46-121	8	20	04/09/09	04/09/09		
Cyclohexane	ug/L	ND	50	50	44J	46.9J	1	1	88	94	39-167		20	04/09/09	04/09/09		
Dibromochloromethane	ug/L	ND	50	50	44.1	47.6	1	1	88	95	64-124	8	20	04/09/09	04/09/09		
Dichlorodifluoromethane	ug/L	ND	50	50	44.8	46.1	1	1	90	92	30-163	3	20	04/09/09	04/09/09		
Ethylbenzene	ug/L	ND	50	50	48.6	52.6	1	1	97	105	44-151	8	20	04/09/09	04/09/09		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.3	51.1	1	1	95	102	40-148	8	20	04/09/09	04/09/09		
Methyl acetate	ug/L	ND	50	50	56.1	58.6	1	1	112	117	40-182	4	20	04/09/09	04/09/09		
Methyl-tert-butyl ether	ug/L	ND	100	100	87.9	94.2	1	1	88	94	52-156	7	20	04/09/09	04/09/09		
Methylcyclohexane	ug/L	ND	50	50	ND	ND	1	1	86	90	44-158		20	04/09/09	04/09/09		
Methylene chloride	ug/L	ND	50	50	45.7	47.7	1	1	91	95	46-154	4	20	04/09/09	04/09/09		
Styrene	ug/L	ND	50	50	43.7	46.7	1	1	87	93	38-141	7	20	04/09/09	04/09/09		
Tetrachloroethene	ug/L	ND	50	50	40.7	43.6	1	1	81	87	25-146	7	20	04/09/09	04/09/09		
Toluene	ug/L	ND	50	50	46.3	49.6	1	1	93	99	59-142	7	20	04/09/09	04/09/09		
trans-1,2-Dichloroethene	ug/L	ND	50	50	52.0	55.1	1	1	104	110	60-137	6	20	04/09/09	04/09/09		
trans-1,3-Dichloropropene	ug/L	ND	50	50	40.3	44.1	1	1	81	88	43-117	9	20	04/09/09	04/09/09		
Trichloroethene	ug/L	ND	50	50	48.7	51.5	1	1	89	94	61-137	5	20	04/09/09	04/09/09		
Trichlorofluoromethane	ug/L	ND	50	50	53.2	57.4	1	1	106	115	53-162	8	20	04/09/09	04/09/09		
Vinyl chloride	ug/L	ND	50	50	48.4	51.1	1	1	97	102	51-144	6	20	04/09/09	04/09/09		
Xylene (Total)	ug/L	ND	150	150	138	150	1	1	92	100	44-152	8	20	04/09/09	04/09/09		

Type	Sample	Client Sample ID
MS	285651	MW-0819-S2B(040609)
MSD	285652	MW-0819-S2B(040609)

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METHOD BLANK RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15549 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025055001, 5025055002, 5025055004, 5025055005, 5025055008, 5025055009, 5025055010, 5025055011, 5025055012, 5025055013, 5025055014, 5025055016, 5025055017, 5025055020, 5025055022

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	04/10/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	04/10/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	04/10/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	04/10/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	04/10/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	04/10/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	04/10/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	04/10/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	04/10/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	04/10/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	04/10/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	04/10/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	04/10/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	04/10/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	04/10/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	04/10/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	04/10/09	
67-64-1	Acetone	ND	ug/L	100	2.4	04/10/09	
71-43-2	Benzene	ND	ug/L	5.0	0.31	04/10/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	04/10/09	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	04/10/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	04/10/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	04/10/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	04/10/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	04/10/09	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	04/10/09	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	04/10/09	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	04/10/09	

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METHOD BLANK RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15549 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025055001, 5025055002, 5025055004, 5025055005, 5025055008, 5025055009, 5025055010, 5025055011, 5025055012, 5025055013, 5025055014, 5025055016, 5025055017, 5025055020, 5025055022

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	04/10/09	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	04/10/09	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	04/10/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	04/10/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	04/10/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	04/10/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	04/10/09	
79-20-9	Methyl acetate	ND	ug/L	50.0		04/10/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	04/10/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		04/10/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	04/10/09	
100-42-5	Styrene	ND	ug/L	5.0	0.34	04/10/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	04/10/09	
108-88-3	Toluene	ND	ug/L	5.0	0.18	04/10/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	04/10/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	04/10/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	04/10/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	04/10/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	04/10/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	04/10/09	

Type	Sample	Matrix
BLANK	285655	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV / 15549
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
285655	BLANK		1	101		105		109							
5025055001		TB-1(040609)-TK	1	101		108		110							
285656	LCS		1	100		109		105							
5025055002		MW-0818-S3(040609)	1	101		107		108							
285657	MS		1	99		109		104							
285658	MSD		1	100		107		105							
5025055004		MW-0421-S2(040609)	1	100		107		107							
5025055005		MW-0420-S2A(040609)	1	104		109		110							
5025055008		EB-1(040609)-TK	1	102		108		108							
5025055009		MW-0805-S2B(040609)	1	100		109		108							
5025055010	OQS	MW-0812-S2(040609)	1	100		108		110							
5025055011		FD-1(040609)RW	1	100		108		108							
5025055012		EB-1(040609)RW	1	103		106		109							
5025055013		TB-1(040609)RW	1	101		105		109							
5025055014		MW-0813-S2(040609)	1	101		107		109							
5025055016		MW-0807-S2A(040609)	1	100		106		109							
5025055017		MW-0808-S2(040609)	1	100		108		109							
5025055020		TB-1(040609)-TP	1	97		105		108							
5025055022		MW-S2B-0501(040609)	1	100		106		107							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15549
Method(s): EPA 8260

LCS Prepared:
LCSD Prepared:

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	107			69-136		50	53.6		ug/L	04/10/09			
1,1,2,2-Tetrachloroethane	113			69-131		50	56.6		ug/L	04/10/09			
1,1,2-Trichloroethane	106			77-132		50	53.2		ug/L	04/10/09			
1,1,2-Trichlorotrifluoroethane	128			70-130		50	64.1		ug/L	04/10/09			
1,1-Dichloroethane	102			67-133		50	51.2		ug/L	04/10/09			
1,1-Dichloroethene	114			63-128		50	56.8		ug/L	04/10/09			
1,2,4-Trichlorobenzene	91			60-130		50	45.6		ug/L	04/10/09			
1,2-Dibromo-3-chloropropane	90			61-125		50	45.2		ug/L	04/10/09			
1,2-Dibromoethane (EDB)	108			75-126		50	53.8		ug/L	04/10/09			
1,2-Dichlorobenzene	110			76-124		50	55.0		ug/L	04/10/09			
1,2-Dichloroethane	105			69-139		50	52.6		ug/L	04/10/09			
1,2-Dichloropropane	106			76-129		50	53.1		ug/L	04/10/09			
1,3-Dichlorobenzene	108			76-125		50	54.2		ug/L	04/10/09			
1,4-Dichlorobenzene	107			75-122		50	53.4		ug/L	04/10/09			
2-Butanone (MEK)	107			47-189		250	268		ug/L	04/10/09			
2-Hexanone	114			57-167		250	286		ug/L	04/10/09			
4-Methyl-2-pentanone (MIBK)	106			61-135		250	265		ug/L	04/10/09			
Acetone	106			30-170		250	265		ug/L	04/10/09			
Benzene	102			78-127		50	51.2		ug/L	04/10/09			
Bromodichloromethane	102			69-133		50	51.2		ug/L	04/10/09			
Bromoform	91			60-127		50	45.6		ug/L	04/10/09			
Bromomethane	133			30-170		50	66.7		ug/L	04/10/09			
Carbon disulfide	116			58-152		100	116		ug/L	04/10/09			
Carbon tetrachloride	109			62-143		50	54.6		ug/L	04/10/09			
Chlorobenzene	104			75-123		50	52.1		ug/L	04/10/09			
Chloroethane	101			56-153		50	50.5		ug/L	04/10/09			
Chloroform	113			74-131		50	56.4		ug/L	04/10/09			
Chloromethane	106			35-147		50	53.1		ug/L	04/10/09			
cis-1,2-Dichloroethene	116			74-128		50	57.9		ug/L	04/10/09			

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7726 Moller Road
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(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15549
Method(s): EPA 8260

LCS Prepared:
LCSD Prepared:

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	99			58-123		50	49.7		ug/L	04/10/09			
Cyclohexane	98			63-134		50	49J		ug/L	04/10/09			
Dibromochloromethane	103			66-131		50	51.6		ug/L	04/10/09			
Dichlorodifluoromethane	99			30-170		50	49.5		ug/L	04/10/09			
Ethylbenzene	112			81-126		50	55.8		ug/L	04/10/09			
Isopropylbenzene (Cumene)	108			80-130		50	54.2		ug/L	04/10/09			
Methyl acetate	146			30-170		50	72.8		ug/L	04/10/09			
Methyl-tert-butyl ether	103			66-147		100	103		ug/L	04/10/09			
Methylcyclohexane	96			65-135		50	ND		ug/L	04/10/09			
Methylene chloride	105			32-164		50	52.7		ug/L	04/10/09			
Styrene	101			74-128		50	50.6		ug/L	04/10/09			
Tetrachloroethene	91			60-119		50	45.7		ug/L	04/10/09			
Toluene	106			75-129		50	53.0		ug/L	04/10/09			
trans-1,2-Dichloroethene	116			71-126		50	57.9		ug/L	04/10/09			
trans-1,3-Dichloropropene	96			54-123		50	48.1		ug/L	04/10/09			
Trichloroethene	107			74-130		50	53.5		ug/L	04/10/09			
Trichlorofluoromethane	110			62-150		50	55.2		ug/L	04/10/09			
Vinyl chloride	109			55-141		50	54.7		ug/L	04/10/09			
Xylene (Total)	107			76-132		150	160		ug/L	04/10/09			

Type	Sample
LCS	285656

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15549
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	50.1	48.8	1	1	100	98	64-143	3	20	04/10/09	04/10/09		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50.8	48.6	1	1	102	97	64-142	4	20	04/10/09	04/10/09		
1,1,2-Trichloroethane	ug/L	ND	50	50	47.8	46.3	1	1	96	93	71-143	3	20	04/10/09	04/10/09		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	61.4	61.2	1	1	123	122	70-130	0.4	20	04/10/09	04/10/09		
1,1-Dichloroethane	ug/L	ND	50	50	47.2	45.6	1	1	94	91	68-139	3	20	04/10/09	04/10/09		
1,1-Dichloroethene	ug/L	ND	50	50	55.4	53.8	1	1	111	108	55-140	3	20	04/10/09	04/10/09		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	36.3	36.8	1	1	73	74	28-140	2	20	04/10/09	04/10/09		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	38.2	38.0	1	1	76	76	39-140	0.5	20	04/10/09	04/10/09		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	47.0	45.8	1	1	94	92	67-134	3	20	04/10/09	04/10/09		
1,2-Dichlorobenzene	ug/L	ND	50	50	48.2	48.7	1	1	96	97	48-137	1	20	04/10/09	04/10/09		
1,2-Dichloroethane	ug/L	ND	50	50	50.1	47.9	1	1	100	96	63-148	4	20	04/10/09	04/10/09		
1,2-Dichloropropane	ug/L	ND	50	50	47.6	47.1	1	1	95	94	70-136	1	20	04/10/09	04/10/09		
1,3-Dichlorobenzene	ug/L	ND	50	50	47.6	47.9	1	1	95	96	40-143	0.8	20	04/10/09	04/10/09		
1,4-Dichlorobenzene	ug/L	ND	50	50	47.1	46.9	1	1	94	94	38-142	0.4	20	04/10/09	04/10/09		
2-Butanone (MEK)	ug/L	ND	250	250	219	206	1	1	88	82	62-132	6	20	04/10/09	04/10/09		
2-Hexanone	ug/L	ND	250	250	248	238	1	1	99	95	61-141	4	20	04/10/09	04/10/09		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	234	226	1	1	94	91	57-135	3	20	04/10/09	04/10/09		
Acetone	ug/L	ND	250	250	219	198	1	1	87	79	30-170	10	20	04/10/09	04/10/09		
Benzene	ug/L	ND	50	50	46.2	45.2	1	1	92	90	63-141	2	20	04/10/09	04/10/09		
Bromodichloromethane	ug/L	ND	50	50	45.6	44.7	1	1	91	89	63-135	2	20	04/10/09	04/10/09		
Bromoform	ug/L	ND	50	50	40.8	39.4	1	1	82	79	58-124	3	20	04/10/09	04/10/09		
Bromomethane	ug/L	ND	50	50	41.6	43.5	1	1	83	87	30-170	4	20	04/10/09	04/10/09		
Carbon disulfide	ug/L	ND	100	100	111	111	1	1	111	111	46-162	0.3	20	04/10/09	04/10/09		
Carbon tetrachloride	ug/L	ND	50	50	51.4	50.9	1	1	103	102	54-145	0.9	20	04/10/09	04/10/09		
Chlorobenzene	ug/L	ND	50	50	46.2	46.8	1	1	92	94	56-133	1	20	04/10/09	04/10/09		
Chloroethane	ug/L	ND	50	50	64.7	55.5	1	1	129	111	54-157	15	20	04/10/09	04/10/09		
Chloroform	ug/L	ND	50	50	51.3	49.4	1	1	103	99	67-134	4	20	04/10/09	04/10/09		
Chloromethane	ug/L	ND	50	50	48.8	49.1	1	1	98	98	36-137	0.4	20	04/10/09	04/10/09		
cis-1,2-Dichloroethene	ug/L	ND	50	50	53.3	51.9	1	1	107	104	65-132	3	20	04/10/09	04/10/09		

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15549
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	44.4	45.0	1	1	89	90	46-121	1	20	04/10/09	04/10/09		
Cyclohexane	ug/L	ND	50	50	45.8J	46.1J	1	1	92	92	39-167		20	04/10/09	04/10/09		
Dibromochloromethane	ug/L	ND	50	50	45.8	45.7	1	1	92	91	64-124	0.2	20	04/10/09	04/10/09		
Dichlorodifluoromethane	ug/L	ND	50	50	45.4	45.8	1	1	91	92	30-163	1	20	04/10/09	04/10/09		
Ethylbenzene	ug/L	ND	50	50	50.4	51.2	1	1	101	102	44-151	2	20	04/10/09	04/10/09		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	48.7	49.9	1	1	97	100	40-148	3	20	04/10/09	04/10/09		
Methyl acetate	ug/L	ND	50	50	50.4	ND	1	1	101	97	40-182		20	04/10/09	04/10/09		
Methyl-tert-butyl ether	ug/L	ND	100	100	93.0	88.5	1	1	93	88	52-156	5	20	04/10/09	04/10/09		
Methylcyclohexane	ug/L	ND	50	50	ND	ND	1	1	86	90	44-158		20	04/10/09	04/10/09		
Methylene chloride	ug/L	ND	50	50	47.7	47.1	1	1	95	94	46-154	1	20	04/10/09	04/10/09		
Styrene	ug/L	ND	50	50	45.2	45.5	1	1	90	91	38-141	0.7	20	04/10/09	04/10/09		
Tetrachloroethene	ug/L	ND	50	50	40.7	42.8	1	1	81	86	25-146	5	20	04/10/09	04/10/09		
Toluene	ug/L	ND	50	50	48.6	48.9	1	1	97	98	59-142	0.5	20	04/10/09	04/10/09		
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.6	53.5	1	1	109	107	60-137	2	20	04/10/09	04/10/09		
trans-1,3-Dichloropropene	ug/L	ND	50	50	42.3	42.3	1	1	85	85	43-117	0.2	20	04/10/09	04/10/09		
Trichloroethene	ug/L	ND	50	50	48.8	47.7	1	1	98	95	61-137	2	20	04/10/09	04/10/09		
Trichlorofluoromethane	ug/L	ND	50	50	57.4	54.7	1	1	115	109	53-162	5	20	04/10/09	04/10/09		
Vinyl chloride	ug/L	ND	50	50	53.1	50.7	1	1	106	101	51-144	4	20	04/10/09	04/10/09		
Xylene (Total)	ug/L	ND	150	150	143	145	1	1	95	97	44-152	2	20	04/10/09	04/10/09		

Type	Sample	Client Sample ID
MS	285657	MW-0812-S2(040609)
MSD	285658	MW-0812-S2(040609)

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METHOD BLANK RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15587 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025055003, 5025055006, 5025055015, 5025055018, 5025055019, 5025055021

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.42	04/10/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.40	04/10/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.25	04/10/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	3.2	04/10/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.39	04/10/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.40	04/10/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.87	04/10/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.3	04/10/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.24	04/10/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.38	04/10/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.48	04/10/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.36	04/10/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.32	04/10/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.16	04/10/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	2.4	04/10/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	3.3	04/10/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	2.4	04/10/09	
67-64-1	Acetone	ND	ug/L	100	2.4	04/10/09	
71-43-2	Benzene	ND	ug/L	5.0	0.31	04/10/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.32	04/10/09	
75-25-2	Bromoform	ND	ug/L	5.0	0.50	04/10/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.1	04/10/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.84	04/10/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.6	04/10/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.22	04/10/09	
75-00-3	Chloroethane	ND	ug/L	5.0	0.24	04/10/09	
67-66-3	Chloroform	ND	ug/L	5.0	0.22	04/10/09	
74-87-3	Chloromethane	ND	ug/L	5.0	0.81	04/10/09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.28	04/10/09	

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METHOD BLANK RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15587 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025055003, 5025055006, 5025055015, 5025055018, 5025055019, 5025055021

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.36	04/10/09	
110-82-7	Cyclohexane	ND	ug/L	100	0.44	04/10/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.24	04/10/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.33	04/10/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.25	04/10/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.39	04/10/09	
79-20-9	Methyl acetate	ND	ug/L	50.0		04/10/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.48	04/10/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0		04/10/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.14	04/10/09	
100-42-5	Styrene	ND	ug/L	5.0	0.34	04/10/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.58	04/10/09	
108-88-3	Toluene	ND	ug/L	5.0	0.18	04/10/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.39	04/10/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.50	04/10/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	0.40	04/10/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.36	04/10/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.8	04/10/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.98	04/10/09	

Type	Sample	Matrix
BLANK	286312	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV / 15587
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
286312	BLANK		1	92		105		114							
286313	LCS		1	100		109		105							
286314	MS		1	100		105		106							
5025055003		MW-0102-S2B(040609)	1	100		108		109							
5025055006		MW-0421-S3(040609)	1	101		106		109							
5025055015		MW-0637-S2B(040609)	1	102		107		110							
5025055018		MW-0614-S2B(040609)	1	99		108		109							
5025055019		MW-0613-S2A(040609)	1	99		106		109							
5025055021		MW-S3-0601(040609)	1	99		107		108							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15587 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	106			69-136		50	52.8		ug/L	04/10/09			
1,1,2,2-Tetrachloroethane	109			69-131		50	54.6		ug/L	04/10/09			
1,1,2-Trichloroethane	105			77-132		50	52.5		ug/L	04/10/09			
1,1,2-Trichlorotrifluoroethane	138			70-130		50	69.1		ug/L	04/10/09		L3	
1,1-Dichloroethane	102			67-133		50	51.0		ug/L	04/10/09			
1,1-Dichloroethene	117			63-128		50	58.3		ug/L	04/10/09			
1,2,4-Trichlorobenzene	88			60-130		50	43.8		ug/L	04/10/09			
1,2-Dibromo-3-chloropropane	85			61-125		50	42.3		ug/L	04/10/09			
1,2-Dibromoethane (EDB)	105			75-126		50	52.4		ug/L	04/10/09			
1,2-Dichlorobenzene	110			76-124		50	55.0		ug/L	04/10/09			
1,2-Dichloroethane	104			69-139		50	52.2		ug/L	04/10/09			
1,2-Dichloropropane	105			76-129		50	52.6		ug/L	04/10/09			
1,3-Dichlorobenzene	111			76-125		50	55.3		ug/L	04/10/09			
1,4-Dichlorobenzene	108			75-122		50	53.9		ug/L	04/10/09			
2-Butanone (MEK)	111			47-189		250	278		ug/L	04/10/09			
2-Hexanone	114			57-167		250	284		ug/L	04/10/09			
4-Methyl-2-pentanone (MIBK)	97			61-135		250	243		ug/L	04/10/09			
Acetone	142			30-170		250	355		ug/L	04/10/09			
Benzene	100			78-127		50	49.9		ug/L	04/10/09			
Bromodichloromethane	100			69-133		50	50.2		ug/L	04/10/09			
Bromoform	89			60-127		50	44.7		ug/L	04/10/09			
Bromomethane	94			30-170		50	46.9		ug/L	04/10/09			
Carbon disulfide	115			58-152		100	115		ug/L	04/10/09			
Carbon tetrachloride	110			62-143		50	55.1		ug/L	04/10/09			
Chlorobenzene	103			75-123		50	51.4		ug/L	04/10/09			
Chloroethane	129			56-153		50	64.7		ug/L	04/10/09			
Chloroform	112			74-131		50	56.1		ug/L	04/10/09			
Chloromethane	92			35-147		50	46.1		ug/L	04/10/09			
cis-1,2-Dichloroethene	114			74-128		50	56.8		ug/L	04/10/09			

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15587
Method(s): EPA 8260

LCS Prepared:
LCSD Prepared:

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	103			58-123		50	51.5		ug/L	04/10/09			
Cyclohexane	99			63-134		50	49.6J		ug/L	04/10/09			
Dibromochloromethane	102			66-131		50	50.9		ug/L	04/10/09			
Dichlorodifluoromethane	68			30-170		50	34.1		ug/L	04/10/09			
Ethylbenzene	112			81-126		50	55.9		ug/L	04/10/09			
Isopropylbenzene (Cumene)	108			80-130		50	53.9		ug/L	04/10/09			
Methyl acetate	138			30-170		50	68.8		ug/L	04/10/09			
Methyl-tert-butyl ether	100			66-147		100	100		ug/L	04/10/09			
Methylcyclohexane	98			65-135		50	ND		ug/L	04/10/09			
Methylene chloride	103			32-164		50	51.4		ug/L	04/10/09			
Styrene	101			74-128		50	50.3		ug/L	04/10/09			
Tetrachloroethene	94			60-119		50	46.9		ug/L	04/10/09			
Toluene	105			75-129		50	52.5		ug/L	04/10/09			
trans-1,2-Dichloroethene	117			71-126		50	58.7		ug/L	04/10/09			
trans-1,3-Dichloropropene	98			54-123		50	49.2		ug/L	04/10/09			
Trichloroethene	107			74-130		50	53.4		ug/L	04/10/09			
Trichlorofluoromethane	118			62-150		50	59.2		ug/L	04/10/09			
Vinyl chloride	100			55-141		50	50.2		ug/L	04/10/09			
Xylene (Total)	106			76-132		150	159		ug/L	04/10/09			

Type	Sample
LCS	286313

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

MATRIX SPIKE SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15587
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50		53.7		1		107		64-143			04/10/09			
1,1,2,2-Tetrachloroethane	ug/L	ND	50		53.5		1		107		64-142			04/10/09			
1,1,2-Trichloroethane	ug/L	ND	50		51.8		1		104		71-143			04/10/09			
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50		65.9		1		132		70-130			04/10/09		M0	
1,1-Dichloroethane	ug/L	ND	50		49.9		1		100		68-139			04/10/09			
1,1-Dichloroethene	ug/L	ND	50		58.4		1		117		55-140			04/10/09			
1,2,4-Trichlorobenzene	ug/L	ND	50		40.7		1		81		28-140			04/10/09			
1,2-Dibromo-3-chloropropane	ug/L	ND	50		40.2		1		80		39-140			04/10/09			
1,2-Dibromoethane (EDB)	ug/L	ND	50		50.8		1		102		67-134			04/10/09			
1,2-Dichlorobenzene	ug/L	ND	50		53.2		1		106		48-137			04/10/09			
1,2-Dichloroethane	ug/L	ND	50		51.9		1		104		63-148			04/10/09			
1,2-Dichloropropane	ug/L	ND	50		50.6		1		101		70-136			04/10/09			
1,3-Dichlorobenzene	ug/L	ND	50		52.8		1		106		40-143			04/10/09			
1,4-Dichlorobenzene	ug/L	ND	50		52.3		1		105		38-142			04/10/09			
2-Butanone (MEK)	ug/L	ND	250		224		1		89		62-132			04/10/09			
2-Hexanone	ug/L	ND	250		264		1		106		61-141			04/10/09			
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250		253		1		101		57-135			04/10/09			
Acetone	ug/L	ND	250		212		1		85		30-170			04/10/09			
Benzene	ug/L	ND	50		49.5		1		99		63-141			04/10/09			
Bromodichloromethane	ug/L	ND	50		49.3		1		99		63-135			04/10/09			
Bromoform	ug/L	ND	50		43.9		1		88		58-124			04/10/09			
Bromomethane	ug/L	ND	50		45.6		1		91		30-170			04/10/09			
Carbon disulfide	ug/L	ND	100		115		1		115		46-162			04/10/09			
Carbon tetrachloride	ug/L	ND	50		55.7		1		111		54-145			04/10/09			
Chlorobenzene	ug/L	ND	50		50.9		1		102		56-133			04/10/09			
Chloroethane	ug/L	ND	50		58.5		1		117		54-157			04/10/09			
Chloroform	ug/L	ND	50		54.3		1		109		67-134			04/10/09			
Chloromethane	ug/L	ND	50		42.0		1		84		36-137			04/10/09			
cis-1,2-Dichloroethene	ug/L	ND	50		55.7		1		111		65-132			04/10/09			

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

MATRIX SPIKE SAMPLE RESULTS

Project: Allison IN473.20.4
Pace Project No.: 5025055

QB Batch: MSV/15587
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50		50.9		1		102		46-121			04/10/09			
Cyclohexane	ug/L	ND	50		49.6J		1		99		39-167			04/10/09			
Dibromochloromethane	ug/L	ND	50		50.0		1		100		64-124			04/10/09			
Dichlorodifluoromethane	ug/L	ND	50		33.7		1		67		30-163			04/10/09			
Ethylbenzene	ug/L	ND	50		56.7		1		113		44-151			04/10/09			
Isopropylbenzene (Cumene)	ug/L	ND	50		54.0		1		108		40-148			04/10/09			
Methyl acetate	ug/L	ND	50		59.7		1		119		40-182			04/10/09			
Methyl-tert-butyl ether	ug/L	ND	100		95.7		1		96		52-156			04/10/09			
Methylcyclohexane	ug/L	ND	50		ND		1		97		44-158			04/10/09			
Methylene chloride	ug/L	ND	50		50.7		1		101		46-154			04/10/09			
Styrene	ug/L	ND	50		49.8		1		100		38-141			04/10/09			
Tetrachloroethene	ug/L	ND	50		47.2		1		94		25-146			04/10/09			
Toluene	ug/L	ND	50		53.9		1		108		59-142			04/10/09			
trans-1,2-Dichloroethene	ug/L	ND	50		58.5		1		117		60-137			04/10/09			
trans-1,3-Dichloropropene	ug/L	ND	50		47.9		1		96		43-117			04/10/09			
Trichloroethene	ug/L	ND	50		52.7		1		105		61-137			04/10/09			
Trichlorofluoromethane	ug/L	ND	50		58.2		1		116		53-162			04/10/09			
Vinyl chloride	ug/L	ND	50		48.4		1		97		51-144			04/10/09			
Xylene (Total)	ug/L	ND	150		159		1		106		44-152			04/10/09			

Type	Sample	Client Sample ID
MS	286314	MW-0102-S2B(040609)

REPORT OF LABORATORY ANALYSIS

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CCV MSV080B
MSV080C-Gas

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

LCS MSV077F

Instrument: 50MSV2.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: S MSV077C
Tune std: _____ Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	-BFB390	3/30/09	17:58	amv	✓
1/A01CAL1.D	0.5ppb	L/	CALIB_1	1	-8260-c1	3/30/09	18:31	amv	✓
1/A02CAL2.D	1ppb	L/	CALIB_2	1	-8260-c1	3/30/09	19:04	amv	✓
1/A03CAL3.D	5ppb	L/	CALIB_3	1	-8260-c1	3/30/09	19:38	amv	✓
1/A04CAL4.D	10ppb	L/	CALIB_4	1	-8260-c1	3/30/09	20:11	amv	
1/A05CAL5.D	50ppb	L/	CALIB_5	1	-8260-c1	3/30/09	20:46	amv	✓
1/A05CCV.D	ccv	L/	CCALIB_5	1	-8260-c1	3/30/09	20:46	amv	✓
1/A06CAL6.D	100ppb	L/	CALIB_6	1	-8260-c1	3/30/09	21:19	amv	✓
1/A07CAL7.D	200ppb	L/	CALIB_7	1	-8260-c1	3/30/09	21:53	amv	✓
1/A08CAL8.D	300ppb	L/	CALIB_8	1	-8260-c1	3/30/09	22:26	amv	✓
1/A09ICV.D	[redacted]	L/	ICV	1	-8260-c1	3/30/09	23:00	amv	not used
1/C00BFB.D	bfb050	L/	BFB	1	-BFB390	3/30/09	23:34	amv	✓
1/C01CCV.D	[redacted]	L/	CCALIB_5	1	-8260-c1	3/31/09	00:08	amv	✓
1/C02ICV.D	icv	L/	ICV	1	-8260-c1	3/31/09	00:42	amv	✓
1/C02LCS.D	[redacted]	L/	LCS	1	-8260-c1	3/31/09	00:42	amv	✓
1/C03MB.D	mb	L/	BLANK	1	-8260-c1	3/31/09	01:16	amv	✓
1/C04.D	5024397001	L/	SAMPLE	1	-8260-c1	3/31/09	01:50	amv	✓
1/C05.D	5024397002	L/	SAMPLE	1	-8260-c1	3/31/09	02:24	amv	✓
1/C06.D	5024402001	L/	SAMPLE	10	-8260-c1	3/31/09	02:58	amv	NB10D
1/C07.D	5024402002	L/	SAMPLE	10	-8260-c1	3/31/09	03:32	amv	NB10D
1/C08.D	5024402003	L/	SAMPLE	10	-8260-c1	3/31/09	04:06	amv	NB10D
1/C09.D	5024402004	L/	SAMPLE	10	-8260-c1	3/31/09	04:39	amv	NB10D
1/C10.D	5024404001	L/	SAMPLE	1	-8260-c1	3/31/09	05:13	amv	1,2DCET 10X
1/C11.D	5024404002	L/	SAMPLE	1	-8260-c1	3/31/09	05:47	amv	1,2DCET 10X
1/C12.D	5024404003	L/	SAMPLE	1	-8260-c1	3/31/09	06:21	amv	✓
1/C13.D	[redacted]	L/	SAMPLE	1	-8260-c1	3/31/09	06:55	amv	✓

JS 4-16-09

File Path 1: \\50wintarget\chem\50MSV2.i\a033009a.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 08:41 03/31/2009

All water samples
have a pH below 2
unless otherwise noted

amv
3/31/09

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

CCV MSV080B
Gas MSV082C
LCS MSV082A
F MSV083A 83F
amv 4/10/09

Instrument: 50MSV2.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:
Tune std: _____ Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	-BFB390	4/09/09	11:03	amv	✓
1/A01CCV.D	ccv	L/	CCALIB_5	1	-8260-c1	4/09/09	11:36	amv	✓
1/A02LCS.D	lcs	L/	LCS	1	-8260-c1	4/09/09	12:10	amv	✓
1/A03MB.D	mb	L/	BLANK	1	-8260-c1	4/09/09	12:44	amv	✓
1/A04.D	~~5024847001~~	L/	SAMPLE	1	-8260-c1	4/09/09	13:17	amv	✓
1/A05.D	5024847001	L/	SAMPLE	10	-8260-c1	4/09/09	13:51	amv	not used
1/A06.D	5024847002	L/	SAMPLE	1	-8260-c1	4/09/09	14:24	amv	TCE↑
1/A07.D	5024847002	L/	SAMPLE	10	-8260-c1	4/09/09	14:58	amv	✓
1/A08.D	5024847003	L/	SAMPLE	1	-8260-c1	4/09/09	15:32	amv	✓
1/A09.D	5024847004	L/ 15548	SAMPLE	1	-8260-c1	4/09/09	16:06	amv	✓
1/A10.D	5024847005	L/	SAMPLE	1	-8260-c1	4/09/09	16:39	amv	TCE↑
1/A11.D	5024847005	L/	SAMPLE	10	-8260-c1	4/09/09	17:13	amv	✓
1/A12.D	5024847006	L/	SAMPLE	1	-8260-c1	4/09/09	17:46	amv	✓
1/A13.D	5024847007	L/	SAMPLE	1	-8260-c1	4/09/09	18:20	amv	✓
1/A14.D	5024847008	L/ JB 4-16-09	SAMPLE	1	-8260-c1	4/09/09	18:53	amv	✓
1/A15.D	5024847009	L/	SAMPLE	1	-8260-c1	4/09/09	19:26	amv	1,2DCE↑, TCE↑ 10X
1/A16.D	5024847010	L/	SAMPLE	1	-8260-c1	4/09/09	20:00	amv	✓
1/A17.D	5025059001	L/	SAMPLE	1	-8260-c1	4/09/09	20:34	amv	✓
1/A18.D	~~5025059001~~	L/	SAMPLE	1	-8260-c1	4/09/09	21:08	amv	✓
1/A19.D	5025055007	L/	SAMPLE	1	-8260-c1	4/09/09	21:41	amv	✓
1/A20.D	ms5025055007	L/	MS	1	-8260-c1	4/09/09	22:15	amv	✓
1/A21.D	msd5025055007	L/	MSD	1	-8260-c1	4/09/09	22:49	amv	✓
1/C00BFB.D	bfb050	L/	BFB	1	-BFB390	4/09/09	23:22	amv	✓
1/C01CCV.D	ccv	L/	CCALIB_5	1	-8260-c1	4/09/09	23:56	amv	✓
1/C02LCS.D	lcs	L/	LCS	1	-8260-c1	4/10/09	00:30	amv	✓
1/C03MB.D	mb	L/	BLANK	1	-8260-c1	4/10/09	01:04	amv	✓
1/C04.D	5025055001	L/	SAMPLE	1	-8260-c1	4/10/09	01:38	amv	✓
1/C05.D	5025055002	L/	SAMPLE	1	-8260-c1	4/10/09	02:12	amv	✓
1/C06.D	5025055004	L/ 15549	SAMPLE	1	-8260-c1	4/10/09	02:45	amv	✓
1/C07.D	5025055005	L/	SAMPLE	1	-8260-c1	4/10/09	03:19	amv	✓
1/C08.D	5025055008	L/	SAMPLE	1	-8260-c1	4/10/09	03:53	amv	✓
1/C09.D	5025055009	L/	SAMPLE	1	-8260-c1	4/10/09	04:26	amv	✓
1/C10.D	5025055010	L/	SAMPLE	1	-8260-c1	4/10/09	05:00	amv	✓
1/C11.D	ms5025055010	L/	MS	1	-8260-c1	4/10/09	05:34	amv	✓

File Path 1: \\50wintarget\chem\50MSV2.i\a040909.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 11:24 04/16/2009

Page: 1

All water samples
have a pH below 2
unless otherwise noted

amv
4/10/09

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV2.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:
Tune std: _____ Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/C12.D	msd5025055010	L/	MSD	1	-8260-c1	4/10/09	06:07	amv	✓
1/C13.D	5025055011	L/	SAMPLE	1	-8260-c1	4/10/09	06:41	amv	✓
1/C14.D	5025055012	L/	SAMPLE	1	-8260-c1	4/10/09	07:15	amv	✓
1/C15.D	5025055013	L/	SAMPLE	1	-8260-c1	4/10/09	07:48	amv	✓
1/C16.D	5025055016	L/ 15549	SAMPLE	1	-8260-c1	4/10/09	08:22	amv	✓
1/C17.D	5025055017	L/	SAMPLE	1	-8260-c1	4/10/09	08:56	amv	✓
1/C18.D	5025055020	L/	SAMPLE	1	-8260-c1	4/10/09	09:30	amv	✓
1/C19.D	5025055022	L/	SAMPLE	1	-8260-c1	4/10/09	10:04	amv	✓
1/C20.D	5025055014	L/	SAMPLE	1	-8260-c1	4/10/09	10:38	amv	✓
1/C21.D	~~rr5024007002~~	L/	SAMPLE	10	-8260-c1	4/10/09	11:11	amv	15510

SS 4-16-09

File Path 1: \\50wintarget\chem\50MSV2.i\a040909.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 11:24 04/16/2009

All water samples have a pH below 2 unless otherwise noted

amv 4/10/09

GCMS MSV082C
CCV MSV080B
LCS MSV082A
$ MSV083F

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV2.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:
Tune std: _____ Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	-BFB390	4/10/09	12:09	amv	✓
1/A01CCV.D	ccv	L/	CCALIB_5	1	-8260-c1	4/10/09	12:43	amv	✓
1/A02LCS.D	lcs	L/	LCS	1	-8260-c1	4/10/09	13:17	amv	✓
1/A03MB.D	mb	L/	BLANK	1	-8260-c1	4/10/09	13:50	amv	✓
1/A04.D	5025055003	L/	SAMPLE	1	-8260-c1	4/10/09	14:24	amv	✓
1/A05.D	ms5025055003	L/	MS	1	-8260-c1	4/10/09	14:58	amv	✓
1/A06.D	5025055006	L/	SAMPLE	1	-8260-c1	4/10/09	15:31	amv	✓
1/A07.D	5025055015	L/	SAMPLE	1	-8260-c1	4/10/09	16:05	amv	✓
1/A08.D	5025055018	L/	SAMPLE	1	-8260-c1	4/10/09	16:38	amv	✓
1/A09.D	5025055019	L/ 15587 15588	SAMPLE	1	-8260-c1	4/10/09	17:12	amv	✓
1/A10.D	5025055021	L/	SAMPLE	1	-8260-c1	4/10/09	17:46	amv	✓
1/A11.D	~~5025[illegible]~~	L/	SAMPLE	1	-8260-c1	4/10/09	18:20	amv	✓
1/A12.D	5025102017	L/	SAMPLE	10	-8260-c1	4/10/09	18:53	amv	✓ 2
1/A13.D	5025102015	L/	SAMPLE	1	-8260-c1	4/10/09	19:27	amv	✓
1/A14.D	5025102015	L/	SAMPLE	1	-8260-c1	4/10/09	20:01	amv	✓
1/A15.D	5025102015	L/	SAMPLE	10	-8260-c1	4/10/09	20:34	amv	not used
1/A16.D	5025102016	L/	SAMPLE	10	-8260-c1	4/10/09	21:08	amv	PCEF)
1/A17.D	5025102016	L/	SAMPLE	200	-8260-c1	4/10/09	21:42	amv	✓ 2
1/A18.D	5025102017	L/	SAMPLE	1	-8260-c1	4/10/09	22:16	amv	✓
1/A19.D	rr5024947009	L/	SAMPLE	10	-8260-c1	4/10/09	22:50	amv	✓ 15548
1/A20.D	5024900001	L/	SAMPLE	1	-8260-c1	4/10/09	23:24	amv	✓
1/A21.D	5024900002	L/	SAMPLE	10	-8260-c1	4/10/09	23:58	amv	✓ NB10D
1/C00BFB.D	bfb050	L/	BFB	1	-BFB390	4/11/09	00:32	amv	✓
1/C01CCV.D	ccv	L/	CCALIB_5	1	-8260-c1	4/11/09	01:06	amv	✓
1/C02LCS.D	lcs	L/	LCS	1	-8260-c1	4/11/09	01:40	amv	✓
1/C03MB.D	mb	L/	BLANK	1	-8260-c1	4/11/09	02:13	amv	✓
1/C04.D	5024900003	L/	SAMPLE	10	-8260-c1	4/11/09	02:47	amv	D3
1/C05.D	5024900004	L/ 15589	SAMPLE	50	-8260-c1	4/11/09	03:22	amv	NB10D
1/C06.D	5024900005	L/	SAMPLE	1	-8260-c1	4/11/09	03:56	amv	✓
1/C07.D	5024900006	L/	SAMPLE	50	-8260-c1	4/11/09	04:30	amv	D3
1/C08.D	5024961001	L/	SAMPLE	1	-8260-c1	4/11/09	05:03	amv	BT 10X
1/C09.D	5024961002	L/	SAMPLE	1	-8260-c1	4/11/09	05:37	amv	✓
1/C10.D	5024961003	L/	SAMPLE	1	-8260-c1	4/11/09	06:10	amv	BT 10X
1/C11.D	~~5024[illegible]~~	L/	SAMPLE	1	-8260-c1	4/11/09	06:44	amv	✓

SB 4-16-09

File Path 1: \\50wintarget\chem\50MSV2.i\a041009.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 11:18 04/19/2009

Page: 1

amv
4/13/09

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Lab File ID (Standard): A01CCV Date Analyzed: 04/09/09

Instrument ID: 50MSV2 Time Analyzed: 1136

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

		IS1(CBZ) AREA #	RT	IS2(DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	313841	7.43	136784	9.15	355752	4.21
	UPPER LIMIT	627682	7.93	273568	9.65	711504	4.71
	LOWER LIMIT	156921	6.93	68392	8.65	177876	3.71
	EPA SAMPLE NO.						
01	LCS	313543	7.43	136606	9.16	344983	4.21
02	MB	316131	7.43	141428	9.16	372393	4.21
03	47001	313591	7.42	137838	9.16	368623	4.21
04	47001	313438	7.43	136390	9.16	368744	4.21
05	47002	324133	7.42	144113	9.16	379480	4.21
06	47002	322739	7.43	138772	9.16	382933	4.21
07	47003	317056	7.42	136055	9.16	372879	4.21
08	47004	316991	7.42	138025	9.15	372944	4.20
09	47005	313392	7.43	135976	9.16	372519	4.21
10	47005	312944	7.43	136942	9.16	374182	4.22
11	47006	308980	7.42	131299	9.16	367623	4.21
12	47007	312981	7.43	135735	9.16	375716	4.22
13	47008	313788	7.43	132996	9.16	369562	4.22
14	47009	308009	7.43	130137	9.16	366443	4.21
15	47010	327475	7.43	143077	9.16	384555	4.21
16	59001	337291	7.42	154271	9.15	392768	4.20
17	59002	318756	7.42	143579	9.15	368832	4.21
18	55007	322659	7.42	140736	9.15	380876	4.20
19	MS55007	317577	7.42	140763	9.15	363180	4.21
20	MSD55007	319135	7.42	142007	9.15	361974	4.19
21							
22							

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Lab File ID (Standard): C01CCV Date Analyzed: 04/09/09

Instrument ID: 50MSV2 Time Analyzed: 2356

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

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	310369	7.42	138311	9.15	366361	4.19
	UPPER LIMIT	620738	7.92	276622	9.65	732722	4.69
	LOWER LIMIT	155185	6.92	69156	8.65	183181	3.69
	EPA SAMPLE NO.						
01	LCS	305583	7.42	135734	9.15	339811	4.21
02	MB	312735	7.42	143348	9.15	368428	4.20
03	55001	315472	7.43	141452	9.16	378162	4.21
04	55002	320423	7.43	141856	9.16	372011	4.21
05	55004	327844	7.42	147523	9.15	382003	4.20
06	55005	311301	7.42	144002	9.16	369264	4.21
07	55008	317786	7.43	147382	9.16	369657	4.21
08	55009	327347	7.42	147726	9.16	385294	4.21
09	55010	319973	7.42	143883	9.15	382470	4.21
10	MS55010	296020	7.43	127662	9.16	339015	4.21
11	MSD55010	303378	7.43	134856	9.16	353151	4.22
12	55011	315678	7.43	140404	9.16	374331	4.21
13	55012	317496	7.43	141733	9.16	377730	4.22
14	55013	321996	7.43	143000	9.16	385021	4.21
15	55016	312389	7.43	141674	9.16	371999	4.22
16	55017	327902	7.43	142641	9.16	390732	4.21
17	55020	318240	7.43	135518	9.16	380020	4.22
18	55022	325809	7.43	143482	9.16	380183	4.21
19	55014	323185	7.43	142133	9.16	380826	4.22
20	07002	318544	7.43	139062	9.16	381445	4.22
21							
22							

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

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

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

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041009.B

Lab File ID (Standard): A01CCV Date Analyzed: 04/10/09

Instrument ID: 50MSV2 Time Analyzed: 1243

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

		IS1 (CBZ) AREA #	RT	IS2 (DCB) AREA #	RT	IS3 AREA #	RT
	12 HOUR STD	307278	7.43	133625	9.16	355675	4.21
	UPPER LIMIT	614556	7.93	267250	9.66	711350	4.71
	LOWER LIMIT	153639	6.93	66813	8.66	177838	3.71
	EPA SAMPLE NO.						
01	LCS	301061	7.43	129786	9.16	340354	4.21
02	MB	307154	7.42	93951	9.16	383812	4.21
03	55003	308179	7.43	137773	9.16	365939	4.22
04	MS50003	304776	7.42	132284	9.16	356881	4.21
05	55006	301470	7.43	131562	9.16	357924	4.22
06	55015	317510	7.43	136440	9.16	375737	4.21
07	55018	317585	7.43	140225	9.16	371232	4.22
08	55019	309981	7.43	129063	9.16	369422	4.21
09	55021	322566	7.43	141738	9.16	377756	4.21
10	02013	296606	7.43	132144	9.16	371337	4.22
11	02013	309381	7.43	133721	9.16	373101	4.22
12	02014	315547	7.43	135665	9.16	370277	4.22
13	02015	309140	7.43	137825	9.16	374008	4.21
14	02015	331963	7.42	149912	9.15	387766	4.21
15	02016	313632	7.42	148582	9.15	383176	4.20
16	02016	312779	7.42	145315	9.15	369874	4.20
17	02017	321657	7.42	146902	9.15	374547	4.20
18	47009	320046	7.42	142790	9.15	374007	4.20
19	00001	320209	7.42	148078	9.15	371275	4.19
20	00002	318792	7.42	143623	9.15	374559	4.19
21							
22							

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

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

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

FORM VIII VOA 1/87 Rev.

Pace Analytical®
www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Section 2: Initial Calibration Data

** Initial Calibration Summary Table*
** BFB Tune Information*
** Initial Calibration Standards*
** ICV Standard*

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 50msv2 C-1 30-Mar-2009

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

Report Date : 31-Mar-2009 08:45

CCC's < 30% RSD

a-mv ~~3/30/09~~ a-mv 3/31/09 3/31/09

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Calibration File Names:
Level 1: \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Level 2: \\50wintarget\chem\50MSV2.i\a033009a.b\A02CAL2.D
Level 3: \\50wintarget\chem\50MSV2.i\a033009a.b\A03CAL3.D
Level 4: \\50wintarget\chem\50MSV2.i\a033009a.b\A04CAL4.D
Level 5: \\50wintarget\chem\50MSV2.i\a033009a.b\A05CCV.D
Level 6: \\50wintarget\chem\50MSV2.i\a033009a.b\A06CAL6.D
Level 7: \\50wintarget\chem\50MSV2.i\a033009a.b\A07CAL7.D
Level 8: \\50wintarget\chem\50MSV2.i\a033009a.b\A08CAL8.D

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dichlorodifluoromethane	643	1660	8547	23416	109182	217403					
	426495	696167					LINR	0.10012	0.41935		0.99185
2 Chloromethane	0.48560	0.66741	0.49193	0.61089	0.48719	0.48310					
	0.52058	0.57962					AVRG		0.54079		12.98112
3 Vinyl Chloride	+++++	0.32354	0.37050	0.49311	0.38518	0.37914					
	0.39737	0.42501					AVRG		0.39626		13.26374

RL = 1 ppb
a-mv
3/31/09

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1	1.0000 Level 2	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
4 Bromomethane	1232	2769	9408	14623	45310	+++++					
	+++++	+++++					QUAD	-0.00557	2.63593	29.43148	0.99976
5 Chloroethane	1517	1449	5180	13805	51346	+++++					
	+++++	+++++					LINR	-0.02772	0.16239		0.99434
6 Trichlorofluoromethane	417	1871	8895	23005	92967	161152					
	+++++	+++++					LINR	-0.02935	0.27155		0.99632
28 1,2-dichlorotrifluoroethane	261	1156	9052	22108	92196	165769					
	313894	407626					QUAD	-0.00089	3.24195	0.46388	0.99972
7 Diethyl ether	+++++	428	4024	9086	41559	74630					
	139970	175240					QUAD	0.01838	6.67262	3.73025	0.99921
17 tert-Butyl Alcohol	235	809	6990	15424	70036	124515					
	224994	281885					LINR	-0.20563	0.08992		0.99368
8 Acrolein	4078	7868	27116	65708	261181	517964					
	1085914	+++++					LINR	0.37679	0.04636		0.99793

ID only amv 3/31/09

0.5ppb-50ppb amv 3/31/09

0.5 ppb-100ppb

NTC amv 3/31/09

0.5ppb-200ppb amv 3/31/09

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
10 1,1,2trichlorotrifluoroethane	600 / 239661	496 / 341823	6618	15470	70718	128122	LINR	-0.01939	0.21002		0.99962	
9 1,1-Dichloroethene	+++++ / 234414	492 / 335012	6722	15303	69212	123949	LINR	-0.02203	0.20540		0.99958	<-
11 Acetone	7310 / 441008	6709 / 635875	17381	29971	137994	259298	QUAD	-0.32323	12.53803	0.16664	0.99850	
12 Iodomethane	574 / 910216	1857 / 1052657	15913	54621	190396	444951	QUAD	0.14756	2.08512	0.21112	0.99121	
13 Carbon Disulfide	10775 / 1650876	9199 / 2523363	47984	107313	468408	867385	LINR	0.04468	0.76334		0.99719	
14 allyl chloride	4537 / 998491	6497 / 1497685	33231	70553	307101	532919	LINR	-0.02256	0.45347		0.99801	
145 Acetonitrile	+++++ / 2788	+++++ / 6242	+++++	+++++	356	1205	LINR	23.08289	0.00023		0.94843	<-

RL=1PPb

Report Date : 31-Mar-2009 08:45

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
138 Methyl Acetate	1492 274907	1891 457547	8338	16617	91410	163135	LINR	0.02607	0.27322		0.99068
15 Methylene Chloride	1892 275519	2459 418011	8887	18398	76822	141540	LINR	0.01942	0.25292		0.99733
16 Acrylonitrile	15057 2554110	15368 3561280	77783	162197	842129	1510663	LINR	-1.57745	0.11005		0.99734
19 Methyl-tert-butyl ether	0.67749 0.56116	0.57816 0.58254	0.68974	0.71392	0.64730	0.60158	AVRG		0.63149		9.20151
18 1,2-Dichloroethene (trans)	585 278259	1032 426933	8262	19026	82173	146771	LINR	0.01937	0.25808		0.99693
20 n-Hexane	2505 496977	2435 746250	12353	28921	132947	254427	LINR	0.03609	0.45426		0.99801
21 1,1-Dichloroethane	0.50476 0.51470	0.38707 0.57786	0.52576	0.59253	0.53830	0.51334	AVRG		0.51929		11.94827

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
23 Vinyl Acetate	0.98012	0.71464	0.81212	0.84314	0.75664	0.70858						
	0.70274	0.65679					AVRG		0.77185		13.46429	
140 Ethyl acetate	+++++	723	7390	18255	83930	156523						
	301518	479496					LINR	0.77871	0.02901		0.99404	<- NTC 03/31/0
147 Chloroprene	726	1570	13166	29597	138157	257059						
	497741	773802					LINR	0.05036	0.46808		0.99608	
24 2,2-Dichloropropane	136	1360	9408	21982	101771	188961						
	357507	472045					LINR	-0.04513	0.29648		0.99862	
25 1,2-Dichloroethene (cis)	0.30077	0.22454	0.34576	0.38009	0.35230	0.33202						
	0.33032	0.36331					AVRG		0.32864		14.69640	
26 2-Butanone	0.19296	0.14673	0.16089	0.16902	0.18980	0.18265						
	0.16595	0.18072					AVRG		0.17359		9.06517	
27 Propionitrile	+++++	+++++	+++++	0.04371	0.05793	0.05419						
	0.06080	0.06694					AVRG		0.05671		15.22830	<- NTC 03/31/0

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-cl.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
29 Bromochloromethane	0.26582	0.22202	0.30044	0.32109	0.33529	0.32883						
	0.32974	0.36826					AVRG		0.30894		14.82118	
146 Methacrylonitrile	23453	22462	27575	36392	122294	209680						
	360123	523685					LINR	-1.09839	0.06170		0.99856	
31 Chloroform	0.32900	0.30606	0.42973	0.48173	0.43706	0.42538						OK amv 3/31/09
	0.42570	0.47427					AVRG		0.41362		15.32939	<-
33 1,1,1-Trichloroethane	+++++	884	8905	21316	107492	199198						RL=1ppb
	392180	612638					LINR	0.08030	0.37218		0.99534	<-
30 Tetrahydrofuran	45245	41435	41169	43408	82544	116105						
	167190	229546					LINR	-1.15891	0.11773		0.99612	
34 cyclohexane	1740	2121	15332	36533	176546	331564						
	646069	1024900					LINR	0.06875	0.61855		0.99453	
37 Isobutyl alcohol	9149	8348	8153	9234	18143	25263						
	36833	48914					LINR	-1.11438	0.02559		0.99665	

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
35 Carbon Tetrachloride	+++++	497	7115	19150	94070	173123						RL=1ppb 3/31/09
	343195	531481					LINR	0.07722	0.32336		0.99590	<-
36 1,1-Dichloropropene	120	955	9700	22949	108031	202272						
	393356	610988					LINR	0.05570	0.36998		0.99614	
38 Benzene	1.20175	0.99397	1.15969	1.23923	1.13177	1.09453						
	1.08964	1.21206					AVRG		1.14033		7.04939	
141 isopropyl acetate	+++++	+++++	654	2690	+++++	26415						~~RL=1ppb~~ NTC 3/31/09
	46718	78464					LINR	0.71162	0.00954		0.98778	<-
39 1,2-Dichloroethane	281	961	8502	19048	92519	169619						
	324641	489308					LINR	0.02731	0.29757		0.99803	
41 Trichloroethene	116	691	7544	18169	93785	172416						
	334688	521273					LINR	0.05832	0.31570		0.99604	
139 Methylcyclohexane	2715	2547	11821	28920	136038	256121						
	494869	764143					LINR	0.04561	0.46264		0.99653	

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-cl.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
42 1,2-Dichloropropane	+++++ / 352349	898 / 544865	9355	20350	96717	182683	LINR	0.06075	0.33092		0.99624
43 Dibromomethane	252 / 214274	623 / 329135	4953	10995	60056	111956	LINR	0.04766	0.19983		0.99708
44 Methyl methacrylate	120 / 279684	241 / 418981	5279	12368	76477	149192	LINR	0.04300	0.25634		0.99853
143 2,2,4-Trimethylpentane	7217 / 1098463	6673 / 1699819	26180	61675	289124	557364	LINR	0.05772	1.02953		0.99609
144 1,4-Dioxane	+++++ / 4143	+++++ / 2153	+++++	+++++	361	1193	LINR	29.62180	0.00019		0.43926 <-
45 Bromodichloromethane	664 / 407419	1191 / 625761	9533	20666	109351	208520	LINR	0.05838	0.38016		0.99687
46 2-Chloroethyl vinyl ether	1184 / 576197	1549 / 848374	12640	29417	163858	306090	LINR	0.04235	0.60283		0.99782

RL=1PPB

NTC amv 3/31/09

Report Date : 31-Mar-2009 08:45

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1	1.0000 Level 2	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
47 cis-1,3-Dichloropropene	0.53167	0.38910	0.49040	0.54161	0.51302	0.50382	AVRG		0.50495		10.27414
	0.50967	0.56027									
48 4-Methyl-2-Pentanone	0.51774	0.33742	0.38608	0.40294	0.41632	0.40730	AVRG		0.40608		12.69332
	0.37611	0.40476									
50 Toluene	1.50854	1.15990	1.39062	1.49478	1.34137	1.29003	AVRG		1.35742		8.60827
	1.27330	1.40079									
51 trans-1,3-Dichloropropene	0.45303	0.31666	0.38626	0.43511	0.43944	0.43935	AVRG		0.42553		12.22337
	0.44672	0.48767									
52 Ethyl Methacrylate	815	1585	11203	24454	144679	272653	LINR	0.05315	0.54022		0.99669
	507142	762814									
53 1,1,2-Trichloroethane	496	504	5856	13582	72581	132820	LINR	0.04520	0.26346		0.99647
	247256	372767									
54 Tetrachloroethene	1038	2028	12154	28781	164269	311841	QUAD	-0.06959	2.30129	-0.19730	0.99120
	491773	945224									

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
55 1,3-Dichloropropane	0.57509	0.36495	0.53493	0.55040	0.52337	0.50451					
	0.50307	0.55588					AVRG		0.51402		12.68495
56 2-Hexanone	0.28105	0.18423	0.24985	0.26287	0.29845	0.29533					
	0.27248	0.29099					AVRG		0.26691		13.98765
57 Dibromochloromethane	844	1135	7943	19255	111491	206656					
	398326	599204					LINR	0.06509	0.42449		0.99634
58 1,2-Dibromoethane	0.43699	0.24382	0.36873	0.36919	0.37354	0.36952					
	0.36614	0.40020					AVRG		0.36602		15.04404
60 Chlorobenzene	1.35401	0.99067	1.02261	1.10142	1.01540	0.98809					
	0.97714	1.06628					AVRG		1.06445		11.68345
61 1,1,1,2-Tetrachloroethane	737	1220	9243	20234	106851	198149					
	375956	562048					LINR	0.04859	0.39790		0.99684
62 Ethylbenzene	0.45968	0.36690	0.53145	0.59259	0.52219	0.49878					
	0.49045	0.54300					AVRG		0.50063		13.36438

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
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Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
63 m&p-Xylene	0.76092	0.61773	0.68976	0.75789	0.65653	0.62499					
	0.59158	0.63333					AVRG		0.66659		9.60925
65 o-Xylene	0.77226	0.53808	0.67373	0.73897	0.66286	0.64078					
	0.61642	0.66438					AVRG		0.66344		10.82343
66 Styrene	1.41073	1.02475	1.12304	1.20794	1.09596	1.03730					
	0.97980	1.04388					AVRG		1.11542		12.40600
67 Bromoform	382	460	4627	12313	83201	158984					
	307100	456756					LINR	0.11632	0.72304		0.99394
68 Isopropylbenzene	5827	7367	40485	97122	456896	828961					
	1494899	2162141					LINR	-0.00504	1.53510		0.99854
69 trans-1,4-Dichloro-2-butene	+++++	+++++	1871	5254	33856	63394					
	123267	170971					LINR	0.05356	0.12391		0.99977 <-
142 n-amyl acetate	353	113	418	109	336	456					
	1366	1882					LINR	-1.56500	0.00026		0.92702 <-

RL=5ppb
amv
3/31/09

NTC
amv
3/31/09

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
71 Bromobenzene	2467	2890	17532	37657	150149	276641					
	528060	785852					LINR	0.02541	0.55416		0.99671
72 1,1,2,2-Tetrachloroethane	1.00539	0.73666	0.79316	0.88958	0.91148	0.89404					
	0.88054	0.93496					AVRG		0.88073		9.41268
73 1,2,3-Trichloropropane	0.91485	0.68825	0.78552	0.88992	0.95560	0.96868					
	0.96929	1.05082					AVRG		0.90287		12.80465
74 n-Propylbenzene	7113	7434	42357	98888	472043	858202					
	1571716	2266527					LINR	0.04692	3.57896		0.99682
75 2-Chlorotoluene	4013	5045	27250	58809	276727	504200					
	941928	1374520					LINR	0.06011	2.16632		0.99569
77 1,3,5-Trimethylbenzene	5608	5142	29626	68658	328541	589899					
	1042940	1479038					LINR	0.01876	2.33937		0.99803
76 4-Chlorotoluene	1.03896	0.65184	0.87264	0.88445	0.83458	0.83083					
	0.86625	0.98449					AVRG		0.87050		13.18863

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-cl.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
78 tert-Butylbenzene	8162	7314	36638	86856	407014	733861	LINR	0.02463	3.00026		0.99891
	1369457	1883612									
79 1,2,4-Trimethylbenzene	5907	5458	29791	67928	319077	578523	LINR	0.03165	2.34920		0.99733
	1037499	1488044									
80 sec-Butylbenzene	11914	9076	40384	92841	450788	819016	LINR	0.04043	3.38550		0.99696
	1489890	2145109									
81 1,3-Dichlorobenzene	5258	4574	21087	46231	232528	426440	LINR	0.05715	1.79974		0.99567
	779037	1142937									
83 p-Isopropyltoluene	10035	6945	34350	76512	378128	685703	LINR	0.03310	2.80088		0.99766
	1244243	1771011									
84 1,4-Dichlorobenzene	5594	4952	21454	47637	233458	432840	LINR	0.05402	1.81524		0.99599
	788702	1152084									
86 n-Butylbenzene	7595	4442	22297	54595	282057	518144	LINR	0.03005	2.08074		0.99838
	932357	1310997									

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
85 1,2-Dichlorobenzene	3677	3592	20240	44901	219025	396969					
	718895	1046226					LINR	0.04652	1.64874		0.99635
87 1,2-Dibromo-3-chloropropane	+++++	+++++	1106	3211	27784	53771					
	99297	147003					LINR	0.16871	0.23646		0.99505
88 1,2,4-Trichlorobenzene	3645	1142	6627	19927	131534	250516					
	463422	702294					LINR	0.10535	1.10622		0.99307
89 Hexachlorobutadiene	2426	886	3369	8056	45668	84094					
	162986	247128					LINR	0.10350	0.38821		0.99172
90 Naphthalene	7261	2178	14857	43468	360757	679007					
	1203456	1779701					LINR	0.08172	2.81589		0.99570
91 1,2,3-Trichlorobenzene	3645	1142	6627	19927	131534	250516					
	463422	702881					LINR	0.10583	1.10701		0.99299
92 2,methyl-naphthalene	2922	+++++	+++++	953	110764	258290					
	503393	903419					LINR	0.39597	1.45839		0.96824 <-

RL=5ppb

NTC
amv
3/31/09

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Compound	0.5000000 Level 1	1.0000 Level 2	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
$ 32 Dibromofluoromethane (S)	0.25663	0.26582	0.26087	0.26688	0.26717	0.25885					
	0.25146	0.24333					AVRG		0.25888		3.22172
$ 49 Toluene-d8	1.02592	1.01564	1.01735	0.98869	0.94401	0.95786					
	0.96379	0.97397					AVRG		0.98590		3.12771
$ 70 4-Bromofluorobenzene	0.39408	0.38524	0.39493	0.38728	0.38866	0.38108					
	0.38834	0.38048					AVRG		0.38751		1.36629

Report Date : 31-Mar-2009 08:45

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 30-MAR-2009 18:31
End Cal Date : 30-MAR-2009 22:26
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Last Edit : 31-Mar-2009 08:41 avasquez

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A00BFB.D

Date : 30-MAR-2009 17:58

Client ID: bfb050

Instrument: 50MSV2.i

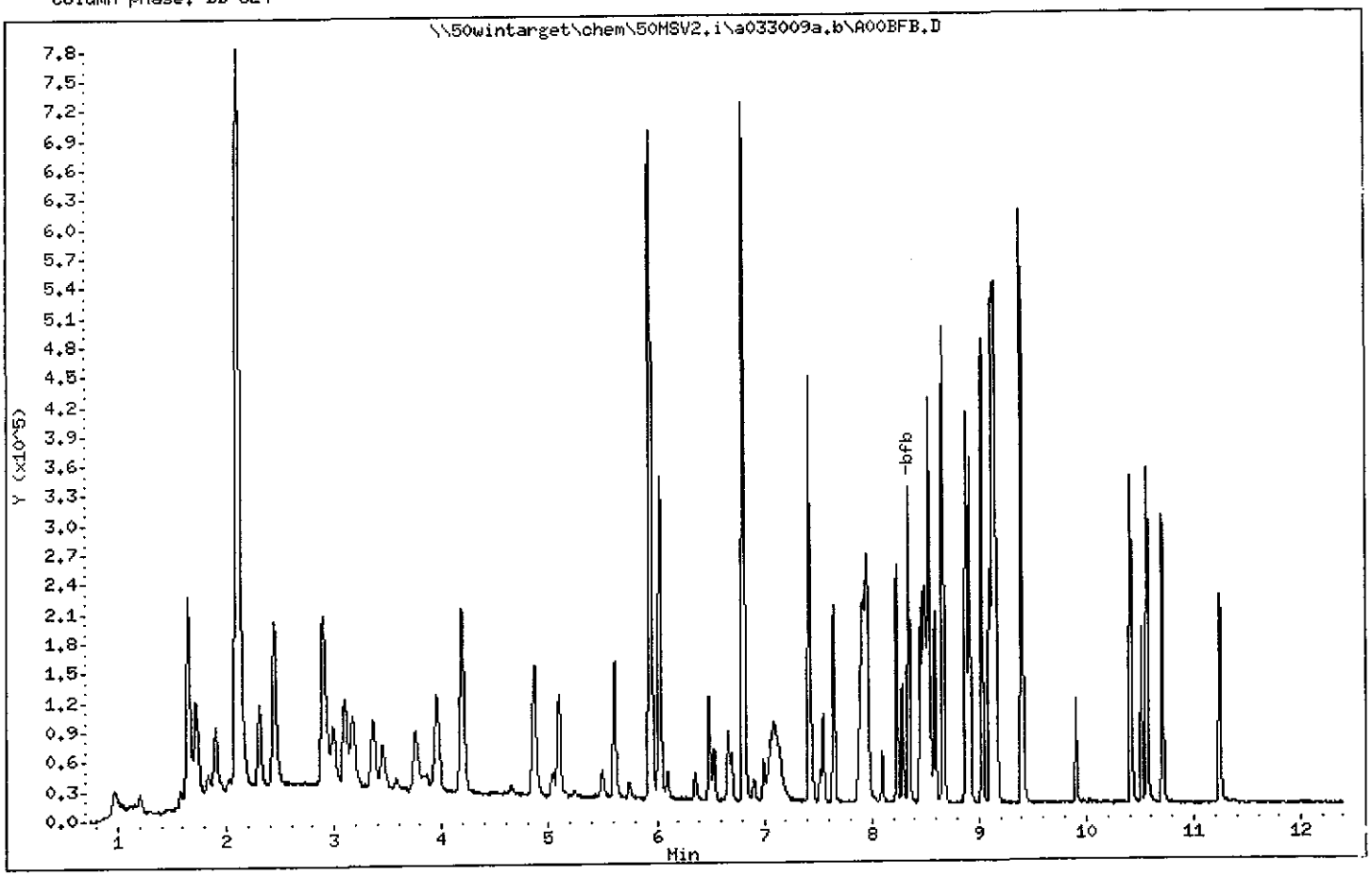
Sample Info: bfb

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A00BFB.D

Date : 30-MAR-2009 17:58

Client ID: bfb050

Instrument: 50MSV2.i

Sample Info: bfb

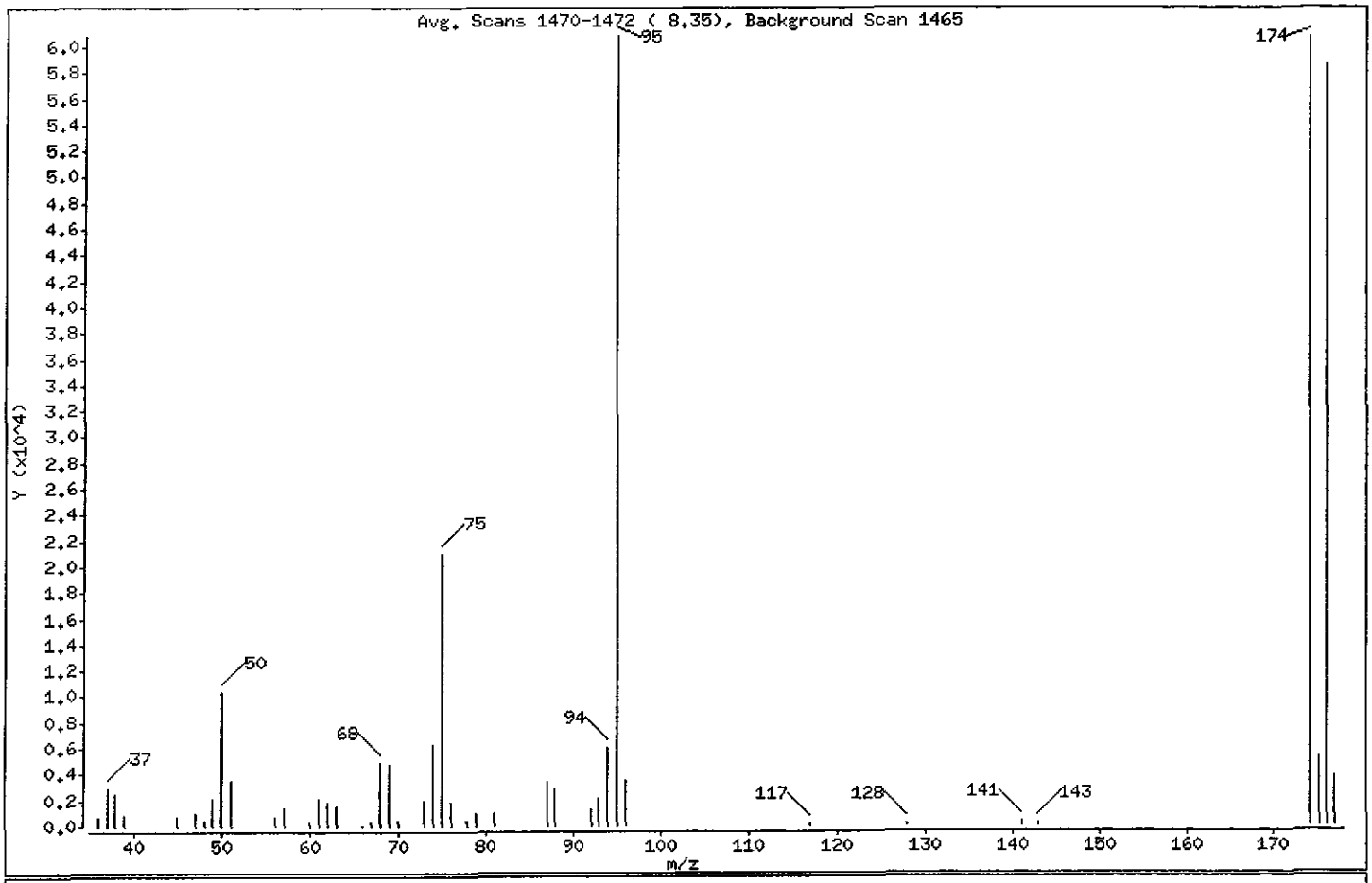
Volume Injected (uL): 5.0

Operator: amv

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	17.08
75	30.00 - 60.00% of mass 95	34.58
96	5.00 - 9.00% of mass 95	5.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	99.84
175	5.00 - 9.00% of mass 174	8.51 (8.53)
176	95.00 - 101.00% of mass 174	96.24 (96.39)
177	5.00 - 9.00% of mass 176	6.31 (6.55)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A00BFB.D

Date : 30-MAR-2009 17:58

Client ID: bfb050 Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0 Operator: amv

Column phase: DB-624 Column diameter: 0.18

Data File: A00BFB.D

Spectrum: Avg. Scans 1470-1472 (8.35), Background Scan 1465

Location of Maximum: 95.00

Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	695	57.00	1407	74.00	6288	95.00	60824
37.00	2983	60.00	339	75.00	21032	96.00	3467
38.00	2501	61.00	2123	76.00	1785	117.00	149
39.00	897	62.00	1867	78.00	486	128.00	126
45.00	685	63.00	1572	79.00	911	141.00	273
47.00	1032	66.00	60	81.00	980	143.00	136
48.00	425	67.00	250	87.00	3375	174.00	60728
49.00	2116	68.00	4904	88.00	2783	175.00	5179
50.00	10390	69.00	4823	92.00	1281	176.00	58536
51.00	3483	70.00	370	93.00	2109	177.00	3836
56.00	766	73.00	1972	94.00	6057		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Lab Smp Id: 0.5ppb Client Smp ID: 0.5ppb
Inj Date : 30-MAR-2009 18:31
Operator : amv Inst ID: 50MSV2.i
Smp Info : 0.5ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 3 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.043	1.036	(0.248)	643	0.50000	5.23(QM)
2 Chloromethane	50	1.126	1.119	(0.268)	1445	0.50000	0.449(QM)
3 Vinyl Chloride	62	1.167	1.166	(0.278)	415	0.50000	0.176(QM)
4 Bromomethane	94	1.317	1.300	(0.314)	1232	0.50000	0.292(QM)
5 Chloroethane	64	1.348	1.346	(0.321)	1517	0.50000	0.224(M)
6 Trichlorofluoromethane	101	1.467	1.460	(0.349)	417	0.50000	(QM)
28 1,2-dichlorotrifluoroethane	67	1.591	1.579	(0.379)	261	0.50000	0.0979(QM)
17 tert-Butyl Alcohol	59	1.596	1.584	(0.380)	235	1.00000	(M)
8 Acrolein	56	1.664	1.651	(0.396)	4078	10.0000	33.6
10 1,1,2trichlorotrifluoroethane	101	1.705	1.698	(0.406)	600	0.50000	
9 1,1-Dichloroethene	96	1.710	1.708	(0.407)	0	0.50000	(QM)
11 Acetone	43	1.726	1.724	(0.411)	7310	2.50000	
12 Iodomethane	142	1.798	1.796	(0.428)	574	1.00000	7.58(M)
13 Carbon Disulfide	76	1.839	1.832	(0.438)	10775	1.00000	4.61(M)
14 allyl chloride	41	1.906	1.889	(0.454)	4537	1.00000	0.553(QM)
138 Methyl Acetate	43	1.906	1.899	(0.454)	1492	0.50000	2.22(M)
15 Methylene Chloride	84	1.963	1.961	(0.467)	1892	0.50000	2.23(M)
16 Acrylonitrile	53	2.108	2.101	(0.502)	15057	10.0000	(M)
19 Methyl-tert-butyl ether	73	2.139	2.132	(0.509)	4032	1.00000	1.07(M)
18 1,2-Dichloroethene (trans)	96	2.129	2.127	(0.507)	585	0.50000	1.35(QM)
20 n-Hexane	57	2.310	2.308	(0.550)	2505	0.50000	2.73(M)
21 1,1-Dichloroethane	63	2.428	2.411	(0.578)	1502	0.50000	0.486(QM)
23 Vinyl Acetate	43	2.454	2.442	(0.584)	11666	2.00000	2.54(M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
147 Chloroprene	53	2.490	2.483	(0.593)	726	0.50000	2.78 (QM)
24 2,2-Dichloropropane	77	2.883	2.881	(0.686)	136	0.50000	(QM)
25 1,2-Dichloroethene (cis)	96	2.899	2.881	(0.690)	895	0.50000	0.458 (QM)
26 2-Butanone	43	2.925	2.897	(0.696)	2871	2.50000	2.78 (M)
29 Bromochloromethane	49	3.126	3.104	(0.744)	791	0.50000	0.430
146 Methacrylonitrile	41	3.173	3.093	(0.755)	23453	2.50000	8.95 (QM)
31 Chloroform	83	3.193	3.186	(0.760)	979	0.50000	0.398 (QM)
$ 32 Dibromofluoromethane (S)	113	3.364	3.362	(0.801)	76366	50.0000	49.6
30 Tetrahydrofuran	42	3.173	3.166	(0.755)	45245	0.50000	6.63
34 cyclohexane	56	3.462	3.450	(0.824)	1740	0.50000	3.91
37 Isobutyl alcohol	43	3.168	3.166	(0.754)	9149	0.50000	4.35 (Q)
36 1,1-Dichloropropene	75	3.581	3.579	(0.852)	120	0.50000	2.84 (QM)
38 Benzene	78	3.845	3.827	(0.915)	3576	0.50000	0.527 (M)
39 1,2-Dichloroethane	62	3.870	3.853	(0.921)	281	0.50000	1.52 (QM)
* 40 Fluorobenzene	96	4.201	4.189	(1.000)	297567	50.0000	
41 Trichloroethene	95	4.656	4.644	(1.108)	116	0.50000	2.98 (QM)
139 Methylcyclohexane	55	4.858	4.856	(1.156)	2715	0.50000	3.27 (M)
42 1,2-Dichloropropane	63	4.904	4.892	(1.167)	371	0.50000	3.22 (QM)
43 Dibromomethane	93	5.054	5.032	(1.203)	252	0.50000	2.59 (Q)
44 Methyl methacrylate	69	5.121	5.088	(1.219)	120	0.50000	2.23 (QM)
143 2,2,4-Trimethylpentane	57	3.969	3.951	(0.945)	7217	0.50000	4.06
45 Bromodichloromethane	83	5.240	5.228	(1.247)	664	0.50000	3.21 (QM)
46 2-Chloroethyl vinyl ether	63	5.628	5.605	(0.759)	1184	0.50000	2.50 (QM)
47 cis-1,3-Dichloropropene	75	5.757	5.740	(0.776)	1359	0.50000	0.526 (QM)
48 4-Methyl-2-Pentanone	43	5.943	5.936	(0.801)	6617	2.50000	3.19
$ 49 Toluene-d8	98	6.031	6.024	(0.813)	262238	50.0000	52.0
50 Toluene	91	6.103	6.096	(0.823)	3856	0.50000	0.556 (M)
51 trans-1,3-Dichloropropene	75	6.377	6.355	(0.860)	1158	0.50000	0.532 (M)
52 Ethyl Methacrylate	69	6.512	6.489	(0.878)	815	0.50000	2.95 (M)
53 1,1,2-Trichloroethane	83	6.553	6.536	(0.884)	496	0.50000	2.63 (QM)
54 Tetrachloroethene	166	6.672	6.665	(0.900)	1038	0.50000	(QM)
55 1,3-Dichloropropane	76	6.708	6.696	(0.905)	1470	0.50000	0.559 (QM)
56 2-Hexanone	43	6.837	6.804	(0.922)	3592	2.50000	2.63 (M)
57 Dibromochloromethane	129	6.910	6.903	(0.932)	844	0.50000	3.64 (QM)
58 1,2-Dibromoethane	107	7.013	6.990	(0.946)	1117	0.50000	0.597
* 59 Chlorobenzene-d5	117	7.416	7.414	(1.000)	255612	50.0000	
60 Chlorobenzene	112	7.437	7.435	(1.003)	3461	0.50000	0.636 (QM)
61 1,1,1,2-Tetrachloroethane	131	7.519	7.512	(1.014)	737	0.50000	2.79 (Q)
62 Ethylbenzene	106	7.545	7.538	(1.017)	1175	0.50000	0.459 (Q)
63 m&p-Xylene	106	7.649	7.636	(1.031)	3890	1.00000	1.14 (M)
65 o-Xylene	106	7.959	7.947	(1.073)	1974	0.50000	0.582 (M)
66 Styrene	104	7.969	7.962	(1.075)	3606	0.50000	0.632 (M)
67 Bromoform	173	8.093	8.091	(0.885)	382	0.50000	6.02 (QM)
68 Isopropylbenzene	105	8.238	8.231	(1.111)	5827	0.50000	0.490 (M)
142 n-amyl acetate	70	8.346	8.339	(1.125)	353	2.50000	191 (QM)
$ 70 4-Bromofluorobenzene	95	8.341	8.339	(1.125)	100732	50.0000	50.8
71 Bromobenzene	77	8.450	8.443	(1.139)	2467	0.50000	2.14 (M)
72 1,1,2,2-Tetrachloroethane	83	8.460	8.453	(0.925)	1288	0.50000	0.571 (M)
73 1,2,3-Trichloropropane	75	8.491	8.479	(0.928)	1172	0.50000	0.507 (QM)
74 n-Propylbenzene	91	8.538	8.531	(0.933)	7113	0.50000	3.12
75 2-Chlorotoluene	91	8.589	8.587	(0.939)	4013	0.50000	3.73 (M)
77 1,3,5-Trimethylbenzene	105	8.662	8.655	(0.947)	5608	0.50000	1.87
76 4-Chlorotoluene	126	8.589	8.587	(0.939)	1331	0.50000	0.597 (Q)
78 tert-Butylbenzene	119	8.884	8.882	(0.971)	8162	0.50000	2.29 (M)

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Report Date: 31-Mar-2009 08:41

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
79 1,2,4-Trimethylbenzene	105	8.920	8.913	(0.975)	5907	0.50000	2.56(M)
80 sec-Butylbenzene	105	9.034	9.027	(0.988)	11914	0.50000	3.39(M)
81 1,3-Dichlorobenzene	146	9.106	9.099	(0.995)	5258	0.50000	4.00
83 p-Isopropyltoluene	119	9.132	9.125	(0.998)	10035	0.50000	3.05(M)
* 82 1,4-Dichlorobenzene-d4	152	9.147	9.146	(1.000)	128109	50.0000	
84 1,4-Dichlorobenzene	146	9.163	9.161	(1.002)	5594	0.50000	3.90
86 n-Butylbenzene	91	9.396	9.394	(1.027)	7595	0.50000	2.93(M)
85 1,2-Dichlorobenzene	146	9.411	9.404	(1.029)	3677	0.50000	3.20
88 1,2,4-Trichlorobenzene	180	10.419	10.407	(1.139)	3645	0.50000	6.55
89 Hexachlorobutadiene	225	10.507	10.505	(1.149)	2426	0.50000	7.61
90 Naphthalene	128	10.569	10.557	(1.155)	7261	0.50000	5.09
91 1,2,3-Trichlorobenzene	180	10.419	10.407	(1.139)	3645	0.50000	6.58
92 2,methyl-naphthalene	142	11.251	11.239	(1.230)	2922	0.50000	20.6

QC Flag Legend

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

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Report Date: 31-Mar-2009 08:41

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A01CAL1.D
Lab Smp Id: 0.5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 0.5ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	297567	-4.48
59 Chlorobenzene-d5	282684	141342	565368	255612	-9.58
82 1,4-Dichlorobenze	140868	70434	281736	128109	-9.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.29
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.02
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Report Date: 31-Mar-2009 08:41

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 0.5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 0.5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	5.23	
74-87-3	Chloromethane	0.449	
75-01-4	Vinyl Chloride	0.176	
74-83-9	Bromomethane	0.292	
75-00-3	Chloroethane	0.224	
75-69-4	Trichlorofluoromethane	0.000	
354-23-4	1,2-dichlorotrifluoroethane	0.0979	
75-65-0	tert-Butyl Alcohol	0.000	
107-02-8	Acrolein	33.6	
76-13-1	1,1,2trichlorotrifluoroethan	0.000	
75-35-4	1,1-Dichloroethene	0.000	
67-64-1	Acetone	0.000	
	Iodomethane	7.58	
75-15-0	Carbon Disulfide	4.61	
107-05-1	allyl chloride	0.553	
79-20-9	Methyl Acetate	2.22	
75-09-2	Methylene Chloride	2.23	
107-13-1	Acrylonitrile	0.000	
1634-04-4	Methyl-tert-butyl ether	1.07	
156-60-5	1,2-Dichloroethene (trans)	1.35	
	n-Hexane	2.73	
75-34-3	1,1-Dichloroethane	0.486	
108-05-4	Vinyl Acetate	2.54	
126-99-8	Chloroprene	2.78	
594-20-7	2,2-Dichloropropane	0.000	
156-59-2	1,2-Dichloroethene (cis)	0.458	
78-93-3	2-Butanone	2.78	
74-97-5	Bromochloromethane	0.430	
126-98-7	Methacrylonitrile	8.95	
67-66-3	Chloroform	0.398	
	Tetrahydrofuran	6.63	
110-82-7	cyclohexane	3.91	
78-83-1	Isobutyl alcohol	4.35	
563-58-6	1,1-Dichloropropene	2.84	
71-43-2	Benzene	0.527	
107-06-2	1,2-Dichloroethane	1.52	
79-01-6	Trichloroethene	2.98	
108-87-2	Methylcyclohexane	3.27	
78-87-5	1,2-Dichloropropane	3.22	
74-95-3	Dibromomethane	2.59	
80-62-6	Methyl methacrylate	2.23	
540-84-1	2,2,4-Trimethylpentane	4.06	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Report Date: 31-Mar-2009 08:41

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 0.5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 0.5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-27-4	Bromodichloromethane	3.21	
110-75-8	2-Chloroethyl vinyl ether	2.50	
10061-01-5	cis-1,3-Dichloropropene	0.526	
108-10-1	4-Methyl-2-Pentanone	3.19	
108-88-3	Toluene	0.556	
10061-02-6	trans-1,3-Dichloropropene	0.532	
	Ethyl Methacrylate	2.95	
79-00-5	1,1,2-Trichloroethane	2.63	
127-18-4	Tetrachloroethene	0.000	
142-28-9	1,3-Dichloropropane	0.559	
591-78-6	2-Hexanone	2.63	
124-48-1	Dibromochloromethane	3.64	
106-93-4	1,2-Dibromoethane	0.597	
108-90-7	Chlorobenzene	0.636	
630-20-6	1,1,1,2-Tetrachloroethane	2.79	
100-41-4	Ethylbenzene	0.459	
7816-60-0	m&p-Xylene	1.14	
95-47-6	o-Xylene	0.582	
100-42-5	Styrene	0.632	
75-25-2	Bromoform	6.02	
98-82-8	Isopropylbenzene	0.490	
628-63-7	n-amyl acetate	191	
108-86-1	Bromobenzene	2.14	
79-34-5	1,1,2,2-Tetrachloroethane	0.571	
96-18-4	1,2,3-Trichloropropane	0.507	
103-65-1	n-Propylbenzene	3.12	
95-49-8	2-Chlorotoluene	3.73	
108-67-8	1,3,5-Trimethylbenzene	1.87	
106-43-4	4-Chlorotoluene	0.597	
98-06-6	tert-Butylbenzene	2.29	
95-63-6	1,2,4-Trimethylbenzene	2.56	
135-98-8	sec-Butylbenzene	3.39	
541-73-1	1,3-Dichlorobenzene	4.00	
99-87-6	p-Isopropyltoluene	3.05	
106-46-7	1,4-Dichlorobenzene	3.90	
104-51-8	n-Butylbenzene	2.93	
95-50-1	1,2-Dichlorobenzene	3.20	
120-82-1	1,2,4-Trichlorobenzene	6.55	
87-68-3	Hexachlorobutadiene	7.61	
91-20-3	Naphthalene	5.09	
87-61-6	1,2,3-Trichlorobenzene	6.58	
	2,methyl-naphthalene	20.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

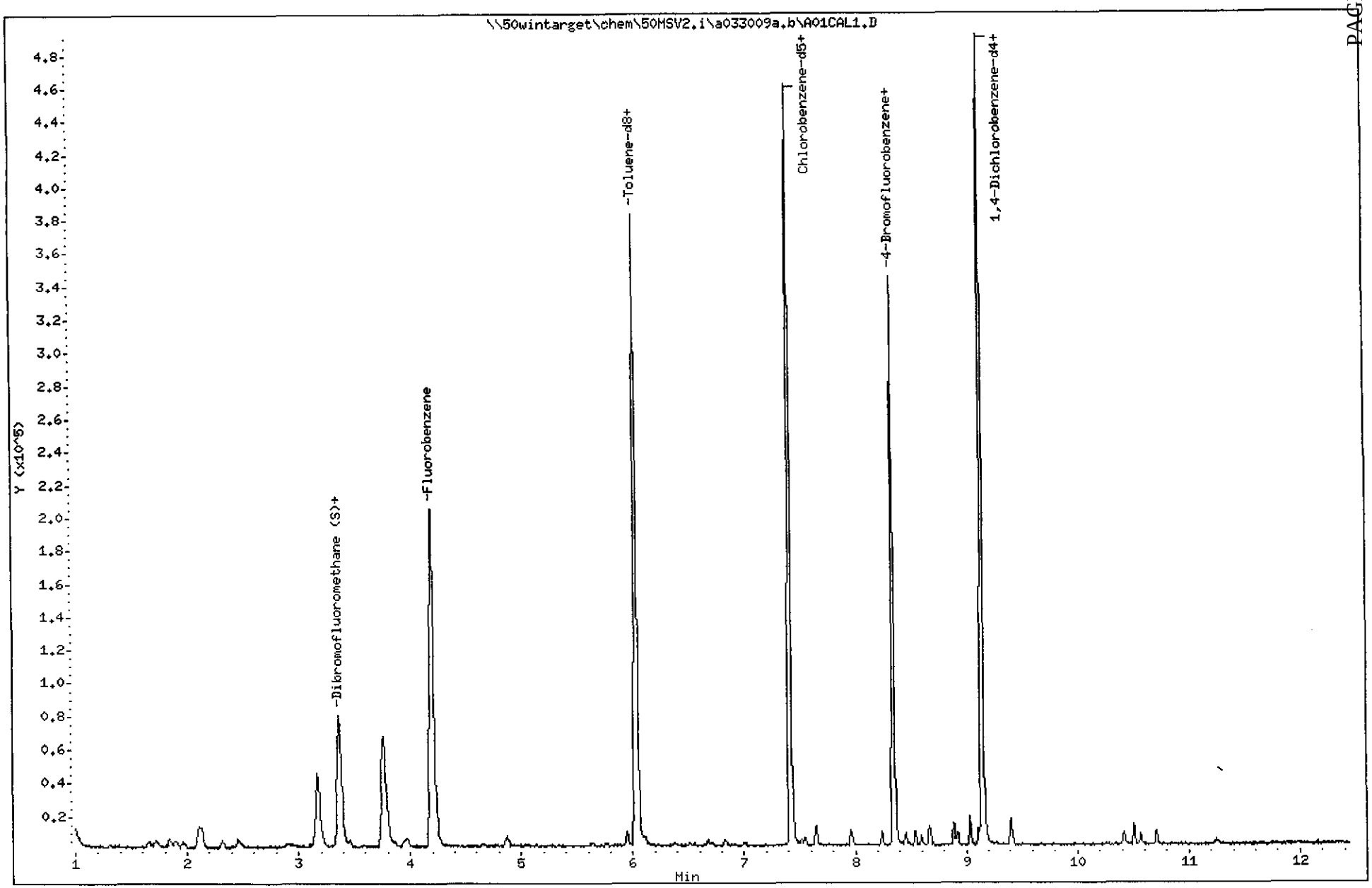
Client Name:
Lab Smp Id: 0.5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 0.5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	49.6	
2037-26-5	Toluene-d8	52.0	
460-00-4	4-Bromofluorobenzene	50.8	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A01CAL1.D
Date : 30-MAR-2009 18:31
Client ID: 0.5ppb
Sample Info: 0.5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A02CAL2.D
Lab Smp Id: 1ppb Client Smp ID: 1ppb
Inj Date : 30-MAR-2009 19:04
Operator : amv Inst ID: 50MSV2.i
Smp Info : 1ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 5 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.037	1.036	(0.247)	1660	1.00000	5.63(M)
2 Chloromethane	50	1.125	1.119	(0.268)	3971	1.00000	1.23(M)
3 Vinyl Chloride	62	1.171	1.166	(0.279)	1925	1.00000	0.816(Q)
4 Bromomethane	94	1.306	1.300	(0.311)	2769	1.00000	1.08
5 Chloroethane	64	1.363	1.346	(0.325)	1449	1.00000	0.154(M)
6 Trichlorofluoromethane	101	1.466	1.460	(0.349)	1871	1.00000	(QM)
28 1,2-dichlorotrifluoroethane	67	1.590	1.579	(0.379)	1156	1.00000	0.586(QM)
7 Diethyl ether	74	1.595	1.589	(0.380)	428	1.00000	1.40(QM)
17 tert-Butyl Alcohol	59	1.585	1.584	(0.377)	809	2.00000	(M)
8 Acrolein	56	1.652	1.651	(0.393)	7868	20.0000	47.4
10 1,1,2trichlorotrifluoroethane	101	1.709	1.698	(0.407)	496	1.00000	(Q)
9 1,1-Dichloroethene	96	1.709	1.708	(0.407)	492	1.00000	(QM)
11 Acetone	43	1.730	1.724	(0.412)	6709	5.00000	
12 Iodomethane	142	1.812	1.796	(0.432)	1857	2.00000	8.03(M)
13 Carbon Disulfide	76	1.843	1.832	(0.439)	9199	2.00000	4.26(M)
14 allyl chloride	41	1.895	1.889	(0.451)	6497	2.00000	1.28(QM)
138 Methyl Acetate	43	1.900	1.899	(0.452)	1891	1.00000	2.47(M)
15 Methylene Chloride	84	1.967	1.961	(0.468)	2459	1.00000	2.60(QM)
16 Acrylonitrile	53	2.107	2.101	(0.502)	15368	20.0000	(M)
19 Methyl-tert-butyl ether	73	2.138	2.132	(0.509)	6880	2.00000	1.83(M)
18 1,2-Dichloroethene (trans)	96	2.148	2.127	(0.512)	1032	1.00000	1.64
20 n-Hexane	57	2.319	2.308	(0.552)	2435	1.00000	2.70(M)
21 1,1-Dichloroethane	63	2.427	2.411	(0.578)	2303	1.00000	0.745(M)

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A02CAL2.D
Report Date: 31-Mar-2009 08:41

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 Vinyl Acetate	43	2.453	2.442	(0.584)	17008	4.00000	3.70 (M)
	140 Ethyl acetate	88	2.489	2.483	(0.593)	723	10.0000	43.1 (QM)
	147 Chloroprene	53	2.505	2.483	(0.596)	1570	1.00000	3.08 (QM)
	24 2,2-Dichloropropane	77	2.887	2.881	(0.687)	1360	1.00000	(M)
	25 1,2-Dichloroethene (cis)	96	2.893	2.881	(0.689)	1336	1.00000	0.683 (M)
	26 2-Butanone	43	2.934	2.897	(0.699)	4365	5.00000	4.23 (M)
	29 Bromochloromethane	49	3.115	3.104	(0.742)	1321	1.00000	0.719
	146 Methacrylonitrile	41	3.172	3.093	(0.755)	22462	5.00000	6.26 (M)
	31 Chloroform	83	3.197	3.186	(0.761)	1821	1.00000	0.740
$	32 Dibromofluoromethane (S)	113	3.368	3.362	(0.802)	79081	50.0000	51.3
	33 1,1,1-Trichloroethane	97	3.409	3.383	(0.812)	884	1.00000	4.41 (QM)
	30 Tetrahydrofuran	42	3.172	3.166	(0.755)	41435	1.00000	1.20
	34 cyclohexane	56	3.451	3.450	(0.822)	2121	1.00000	4.01 (Q)
	37 Isobutyl alcohol	43	3.166	3.166	(0.754)	8348	1.00000	
	35 Carbon Tetrachloride	117	3.585	3.579	(0.854)	497	1.00000	4.12 (QM)
	36 1,1-Dichloropropene	75	3.595	3.579	(0.856)	955	1.00000	3.22 (M)
	38 Benzene	78	3.844	3.827	(0.915)	5914	1.00000	0.872 (M)
	39 1,2-Dichloroethane	62	3.869	3.853	(0.921)	961	1.00000	1.91 (M)
*	40 Fluorobenzene	96	4.200	4.189	(1.000)	297494	50.0000	
	41 Trichloroethene	95	4.665	4.644	(1.111)	691	1.00000	3.28 (QM)
	139 Methylcyclohexane	55	4.872	4.856	(1.160)	2547	1.00000	3.20 (M)
	42 1,2-Dichloropropane	63	4.919	4.892	(1.171)	898	1.00000	3.49 (QM)
	43 Dibromomethane	93	5.048	5.032	(1.202)	623	1.00000	2.91 (Q)
	44 Methyl methacrylate	69	5.125	5.088	(1.220)	241	1.00000	2.31 (QM)
	143 2,2,4-Trimethylpentane	57	3.968	3.951	(0.945)	6673	1.00000	3.98
	45 Bromodichloromethane	83	5.239	5.228	(1.247)	1191	1.00000	3.44 (QM)
	46 2-Chloroethyl vinyl ether	63	5.632	5.605	(0.759)	1549	1.00000	2.62 (M)
	47 cis-1,3-Dichloropropene	75	5.761	5.740	(0.776)	1998	1.00000	0.770
	48 4-Methyl-2-Pentanone	43	5.952	5.936	(0.802)	8663	5.00000	4.15
$	49 Toluene-d8	98	6.030	6.024	(0.813)	260762	50.0000	51.5
	50 Toluene	91	6.107	6.096	(0.823)	5956	1.00000	0.854 (M)
	51 trans-1,3-Dichloropropene	75	6.376	6.355	(0.859)	1626	1.00000	0.744 (M)
	52 Ethyl Methacrylate	69	6.505	6.489	(0.877)	1585	1.00000	3.23 (M)
	53 1,1,2-Trichloroethane	83	6.541	6.536	(0.882)	504	1.00000	2.63 (Q)
	54 Tetrachloroethene	166	6.671	6.665	(0.899)	2028	1.00000	
	55 1,3-Dichloropropane	76	6.707	6.696	(0.904)	1874	1.00000	0.710
	56 2-Hexanone	43	6.826	6.804	(0.920)	4730	5.00000	3.45
	57 Dibromochloromethane	129	6.919	6.903	(0.932)	1135	1.00000	3.78 (Q)
	58 1,2-Dibromoethane	107	7.007	6.990	(0.944)	1252	1.00000	0.666
*	59 Chlorobenzene-d5	117	7.420	7.414	(1.000)	256746	50.0000	
	60 Chlorobenzene	112	7.441	7.435	(1.003)	5087	1.00000	0.931 (M)
	61 1,1,1,2-Tetrachloroethane	131	7.518	7.512	(1.013)	1220	1.00000	3.03 (Q)
	62 Ethylbenzene	106	7.549	7.538	(1.017)	1884	1.00000	0.733
	63 m&p-Xylene	106	7.648	7.636	(1.031)	6344	2.00000	1.85
	65 o-Xylene	106	7.958	7.947	(1.072)	2763	1.00000	0.811 (M)
	66 Styrene	104	7.973	7.962	(1.075)	5262	1.00000	0.919 (M)
	67 Bromoform	173	8.102	8.091	(0.886)	460	1.00000	6.06 (M)
	68 Isopropylbenzene	105	8.242	8.231	(1.111)	7367	1.00000	0.682 (M)
	142 n-amyl acetate	70	8.345	8.339	(1.125)	113	5.00000	7.54 (QM)
$	70 4-Bromofluorobenzene	95	8.345	8.339	(1.125)	98909	50.0000	49.7
	71 Bromobenzene	77	8.449	8.443	(1.139)	2890	1.00000	2.28 (M)
	72 1,1,2,2-Tetrachloroethane	83	8.464	8.453	(0.925)	1902	1.00000	0.836 (M)
	73 1,2,3-Trichloropropane	75	8.485	8.479	(0.928)	1777	1.00000	0.762 (QM)
	74 n-Propylbenzene	91	8.542	8.531	(0.934)	7434	1.00000	3.15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
75 2-Chlorotoluene	91	8.593	8.587	(0.940)	5045	1.00000	3.91(M)
77 1,3,5-Trimethylbenzene	105	8.666	8.655	(0.947)	5142	1.00000	1.79
76 4-Chlorotoluene	126	8.593	8.587	(0.940)	1683	1.00000	0.749
78 tert-Butylbenzene	119	8.888	8.882	(0.972)	7314	1.00000	2.18(M)
79 1,2,4-Trimethylbenzene	105	8.919	8.913	(0.975)	5458	1.00000	2.48(M)
80 sec-Butylbenzene	105	9.033	9.027	(0.988)	9076	1.00000	3.06(M)
81 1,3-Dichlorobenzene	146	9.110	9.099	(0.996)	4574	1.00000	3.84
83 p-Isopropyltoluene	119	9.131	9.125	(0.998)	6945	1.00000	2.62(M)
* 82 1,4-Dichlorobenzene-d4	152	9.146	9.146	(1.000)	129096	50.0000	
84 1,4-Dichlorobenzene	146	9.167	9.161	(1.002)	4952	1.00000	3.76
86 n-Butylbenzene	91	9.400	9.394	(1.028)	4442	1.00000	2.33(M)
85 1,2-Dichlorobenzene	146	9.415	9.404	(1.029)	3592	1.00000	3.17
88 1,2,4-Trichlorobenzene	180	10.423	10.407	(1.140)	1142	1.00000	5.67(M)
89 Hexachlorobutadiene	225	10.516	10.505	(1.150)	886	1.00000	6.06(Q)
90 Naphthalene	128	10.573	10.557	(1.156)	2178	1.00000	4.38(M)
91 1,2,3-Trichlorobenzene	180	10.423	10.407	(1.140)	1142	1.00000	5.69(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A02CAL2.D
Lab Smp Id: 1ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 1ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	297494	-4.51
59 Chlorobenzene-d5	282684	141342	565368	256746	-9.18
82 1,4-Dichlorobenze	140868	70434	281736	129096	-8.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.26
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	5.63	
74-87-3	Chloromethane	1.23	
75-01-4	Vinyl Chloride	0.816	
74-83-9	Bromomethane	1.08	
75-00-3	Chloroethane	0.154	
75-69-4	Trichlorofluoromethane	0.000	
354-23-4	1,2-dichlorotrifluoroethane	0.586	
60-29-7	Diethyl ether	1.40	
75-65-0	tert-Butyl Alcohol	0.000	
107-02-8	Acrolein	47.4	
76-13-1	1,1,2trichlorotrifluoroethan	0.000	
75-35-4	1,1-Dichloroethene	0.000	
67-64-1	Acetone	0.000	
	Iodomethane	8.03	
75-15-0	Carbon Disulfide	4.26	
107-05-1	allyl chloride	1.28	
79-20-9	Methyl Acetate	2.47	
75-09-2	Methylene Chloride	2.60	
107-13-1	Acrylonitrile	0.000	
1634-04-4	Methyl-tert-butyl ether	1.83	
156-60-5	1,2-Dichloroethene (trans)	1.64	
	n-Hexane	2.70	
75-34-3	1,1-Dichloroethane	0.745	
108-05-4	Vinyl Acetate	3.70	
141-78-6	Ethyl acetate	43.1	
126-99-8	Chloroprene	3.08	
594-20-7	2,2-Dichloropropane	0.000	
156-59-2	1,2-Dichloroethene (cis)	0.683	
78-93-3	2-Butanone	4.23	
74-97-5	Bromochloromethane	0.719	
126-98-7	Methacrylonitrile	6.26	
67-66-3	Chloroform	0.740	
71-55-6	1,1,1-Trichloroethane	4.41	
	Tetrahydrofuran	1.20	
110-82-7	cyclohexane	4.01	
78-83-1	Isobutyl alcohol	0.000	
56-23-5	Carbon Tetrachloride	4.12	
563-58-6	1,1-Dichloropropene	3.22	
71-43-2	Benzene	0.872	
107-06-2	1,2-Dichloroethane	1.91	
79-01-6	Trichloroethene	3.28	
108-87-2	Methylcyclohexane	3.20	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	3.49	
74-95-3	Dibromomethane	2.91	
80-62-6	Methyl methacrylate	2.31	
540-84-1	2,2,4-Trimethylpentane	3.98	
75-27-4	Bromodichloromethane	3.44	
110-75-8	2-Chloroethyl vinyl ether	2.62	
10061-01-5	cis-1,3-Dichloropropene	0.770	
108-10-1	4-Methyl-2-Pentanone	4.15	
108-88-3	Toluene	0.854	
10061-02-6	trans-1,3-Dichloropropene	0.744	
	Ethyl Methacrylate	3.23	
79-00-5	1,1,2-Trichloroethane	2.63	
127-18-4	Tetrachloroethene	0.000	
142-28-9	1,3-Dichloropropane	0.710	
591-78-6	2-Hexanone	3.45	
124-48-1	Dibromochloromethane	3.78	
106-93-4	1,2-Dibromoethane	0.666	
108-90-7	Chlorobenzene	0.931	
630-20-6	1,1,1,2-Tetrachloroethane	3.03	
100-41-4	Ethylbenzene	0.733	
7816-60-0	m&p-Xylene	1.85	
95-47-6	o-Xylene	0.811	
100-42-5	Styrene	0.919	
75-25-2	Bromoform	6.06	
98-82-8	Isopropylbenzene	0.682	
628-63-7	n-amyl acetate	7.54	
108-86-1	Bromobenzene	2.28	
79-34-5	1,1,2,2-Tetrachloroethane	0.836	
96-18-4	1,2,3-Trichloropropane	0.762	
103-65-1	n-Propylbenzene	3.15	
95-49-8	2-Chlorotoluene	3.91	
108-67-8	1,3,5-Trimethylbenzene	1.79	
106-43-4	4-Chlorotoluene	0.749	
98-06-6	tert-Butylbenzene	2.18	
95-63-6	1,2,4-Trimethylbenzene	2.48	
135-98-8	sec-Butylbenzene	3.06	
541-73-1	1,3-Dichlorobenzene	3.84	
99-87-6	p-Isopropyltoluene	2.62	
106-46-7	1,4-Dichlorobenzene	3.76	
104-51-8	n-Butylbenzene	2.33	
95-50-1	1,2-Dichlorobenzene	3.17	
120-82-1	1,2,4-Trichlorobenzene	5.67	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

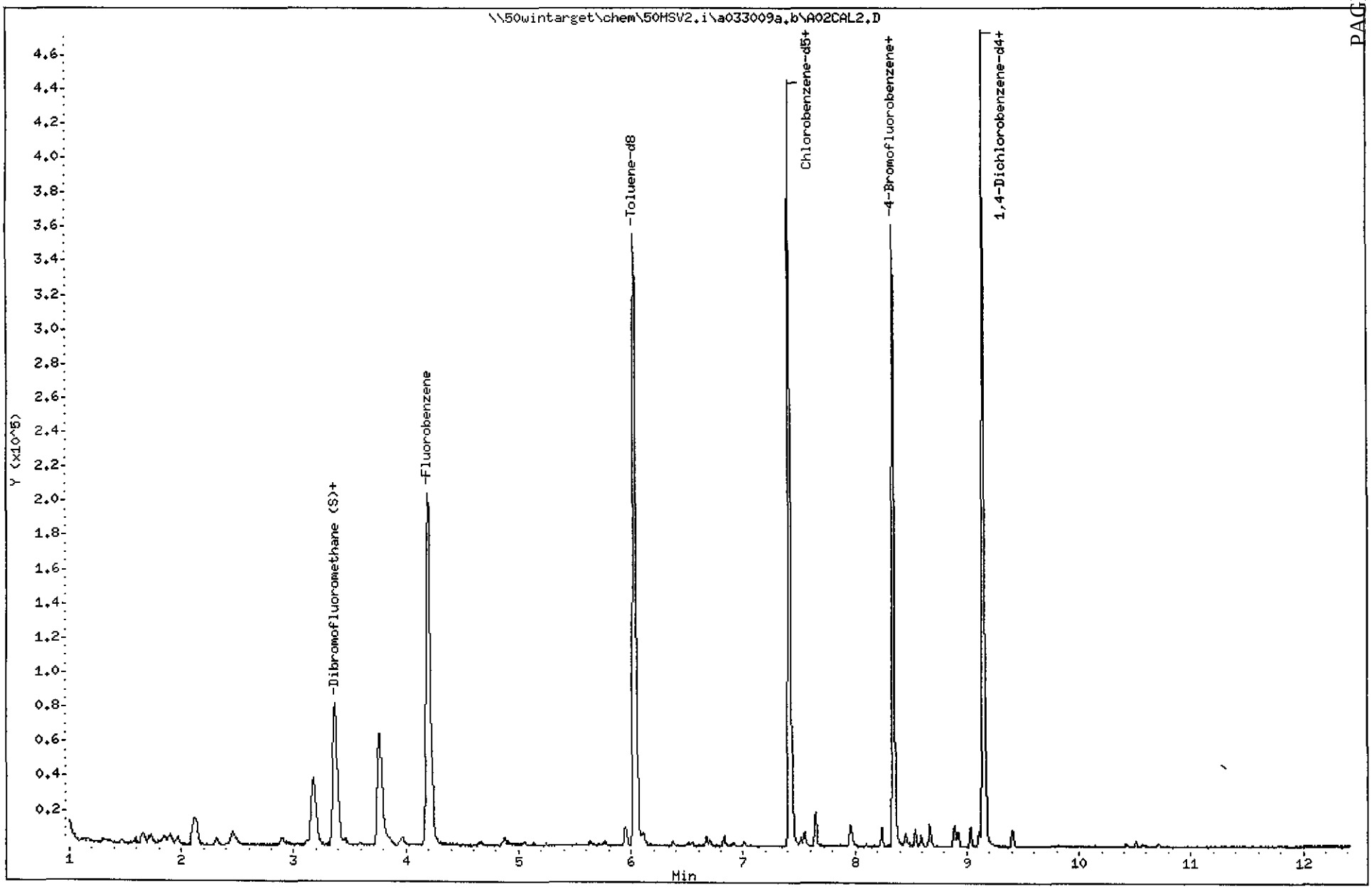
Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	6.06	
91-20-3	Naphthalene	4.38	
87-61-6	1,2,3-Trichlorobenzene	5.69	
1868-53-7	Dibromofluoromethane (S)	51.3	
2037-26-5	Toluene-d8	51.5	
460-00-4	4-Bromofluorobenzene	49.7	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A02CAL2.D
Date : 30-MAR-2009 19:04
Client ID: 1ppb
Sample Info: 1ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A03CAL3.D
Lab Smp Id: 5ppb Client Smp ID: 5ppb
Inj Date : 30-MAR-2009 19:38
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 7 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.037	1.036	(0.247)	8547	5.00000	8.45(T)
2 Chloromethane	50	1.130	1.119	(0.269)	14394	5.00000	4.55
3 Vinyl Chloride	62	1.161	1.166	(0.276)	10841	5.00000	4.67
4 Bromomethane	94	1.301	1.300	(0.309)	9408	5.00000	5.48
5 Chloroethane	64	1.352	1.346	(0.322)	5180	5.00000	4.06
6 Trichlorofluoromethane	101	1.466	1.460	(0.349)	8895	5.00000	4.13
28 1,2-dichlorotrifluoroethane	67	1.585	1.579	(0.377)	9052	5.00000	4.99(Q)
7 Diethyl ether	74	1.595	1.589	(0.379)	4024	5.00000	5.54(Q)
17 tert-Butyl Alcohol	59	1.595	1.584	(0.379)	6990	10.0000	3.00
8 Acrolein	56	1.657	1.651	(0.394)	27116	100.000	119
10 1,1,2trichlorotrifluoroethane	101	1.709	1.698	(0.406)	6618	5.00000	4.42(Q)
9 1,1-Dichloroethene	96	1.714	1.708	(0.408)	6722	5.00000	4.49(Q)
11 Acetone	43	1.730	1.724	(0.411)	17381	25.0000	21.1
12 Iodomethane	142	1.807	1.796	(0.430)	15913	10.0000	13.1
13 Carbon Disulfide	76	1.843	1.832	(0.438)	47984	10.0000	13.0
14 allyl chloride	41	1.900	1.889	(0.452)	33231	10.0000	11.4
138 Methyl Acetate	43	1.900	1.899	(0.452)	8338	5.00000	6.52
15 Methylene Chloride	84	1.967	1.961	(0.468)	8887	5.00000	6.98
16 Acrylonitrile	53	2.107	2.101	(0.501)	77783	100.000	41.8
19 Methyl-tert-butyl ether	73	2.138	2.132	(0.508)	40364	10.0000	10.9
18 1,2-Dichloroethene (trans)	96	2.133	2.127	(0.507)	8262	5.00000	6.44(Q)
20 n-Hexane	57	2.319	2.308	(0.551)	12353	5.00000	6.45(M)
21 1,1-Dichloroethane	63	2.422	2.411	(0.576)	15384	5.00000	5.06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 Vinyl Acetate	43	2.453	2.442	(0.583)	95051	20.0000	21.0
	140 Ethyl acetate	88	2.495	2.483	(0.593)	7390	50.0000	82.5(Q)
	147 Chloroprene	53	2.489	2.483	(0.592)	13166	5.00000	7.32
	24 2,2-Dichloropropane	77	2.893	2.881	(0.688)	9408	5.00000	3.16
	25 1,2-Dichloroethene (cis)	96	2.898	2.881	(0.689)	10117	5.00000	5.26
	26 2-Butanone	43	2.908	2.897	(0.692)	23539	25.0000	23.2
	29 Bromochloromethane	49	3.115	3.104	(0.741)	8791	5.00000	4.86(Q)
	146 Methacrylonitrile	41	3.177	3.093	(0.755)	27575	25.0000	21.4(M)
	31 Chloroform	83	3.203	3.186	(0.762)	12574	5.00000	5.19(Q)
$	32 Dibromofluoromethane (S)	113	3.373	3.362	(0.802)	76332	50.0000	50.4
	33 1,1,1-Trichloroethane	97	3.404	3.383	(0.810)	8905	5.00000	8.10(Q)
	30 Tetrahydrofuran	42	3.182	3.166	(0.757)	41169	5.00000	1.81
	34 cyclohexane	56	3.461	3.450	(0.823)	15332	5.00000	7.67(Q)
	37 Isobutyl alcohol	43	3.172	3.166	(0.754)	8153	5.00000	(QM)
	35 Carbon Tetrachloride	117	3.585	3.579	(0.853)	7115	5.00000	7.62(Q)
	36 1,1-Dichloropropene	75	3.596	3.579	(0.855)	9700	5.00000	7.26
	38 Benzene	78	3.849	3.827	(0.915)	33933	5.00000	5.08
	141 isopropyl acetate	61	3.875	3.845	(0.921)	654	25.0000	43.1(M)
	39 1,2-Dichloroethane	62	3.869	3.853	(0.920)	8502	5.00000	6.25(Q)
*	40 Fluorobenzene	96	4.205	4.189	(1.000)	292603	50.0000	
	41 Trichloroethene	95	4.660	4.644	(1.108)	7544	5.00000	7.00(Q)
	139 Methylcyclohexane	55	4.877	4.856	(1.160)	11821	5.00000	6.65
	42 1,2-Dichloropropane	63	4.913	4.892	(1.168)	9355	5.00000	7.87(M)
	43 Dibromomethane	93	5.048	5.032	(1.200)	4953	5.00000	6.62(Q)
	44 Methyl methacrylate	69	5.110	5.088	(1.215)	5279	5.00000	5.67(QM)
	143 2,2,4-Trimethylpentane	57	3.978	3.951	(0.946)	26180	5.00000	7.23
	45 Bromodichloromethane	83	5.244	5.228	(1.247)	9533	5.00000	7.20
	46 2-Chloroethyl vinyl ether	63	5.627	5.605	(0.758)	12640	5.00000	6.30
	47 cis-1,3-Dichloropropene	75	5.756	5.740	(0.776)	12281	5.00000	4.86
	48 4-Methyl-2-Pentanone	43	5.947	5.936	(0.801)	48342	25.0000	23.8
$	49 Toluene-d8	98	6.035	6.024	(0.813)	254773	50.0000	51.6
	50 Toluene	91	6.107	6.096	(0.823)	34825	5.00000	5.12
	51 trans-1,3-Dichloropropene	75	6.371	6.355	(0.859)	9673	5.00000	4.54
	52 Ethyl Methacrylate	69	6.505	6.489	(0.877)	11203	5.00000	6.80
	53 1,1,2-Trichloroethane	83	6.552	6.536	(0.883)	5856	5.00000	6.70(Q)
	54 Tetrachloroethene	166	6.676	6.665	(0.900)	12154	5.00000	2.08
	55 1,3-Dichloropropane	76	6.707	6.696	(0.904)	13396	5.00000	5.20
	56 2-Hexanone	43	6.815	6.804	(0.919)	31285	25.0000	23.4
	57 Dibromochloromethane	129	6.914	6.903	(0.932)	7943	5.00000	6.99
	58 1,2-Dibromoethane	107	7.002	6.990	(0.944)	9234	5.00000	5.04
*	59 Chlorobenzene-d5	117	7.420	7.414	(1.000)	250427	50.0000	
	60 Chlorobenzene	112	7.441	7.435	(1.003)	25609	5.00000	4.80
	61 1,1,1,2-Tetrachloroethane	131	7.518	7.512	(1.013)	9243	5.00000	7.07(Q)
	62 Ethylbenzene	106	7.549	7.538	(1.017)	13309	5.00000	5.31(Q)
	63 m&p-Xylene	106	7.648	7.636	(1.031)	34547	10.0000	10.3
	65 o-Xylene	106	7.958	7.947	(1.072)	16872	5.00000	5.08
	66 Styrene	104	7.968	7.962	(1.074)	28124	5.00000	5.03
	67 Bromoform	173	8.102	8.091	(0.885)	4627	5.00000	8.36(M)
	68 Isopropylbenzene	105	8.237	8.231	(1.110)	40485	5.00000	5.01
	69 trans-1,4-Dichloro-2-butene	53	8.500	8.494	(1.146)	1871	5.00000	5.69(Q)
	142 n-amyl acetate	70	8.340	8.339	(1.124)	418	25.0000	247(QM)
$	70 4-Bromofluorobenzene	95	8.345	8.339	(1.125)	98900	50.0000	51.0
	71 Bromobenzene	77	8.449	8.443	(1.139)	17532	5.00000	7.59
	72 1,1,2,2-Tetrachloroethane	83	8.459	8.453	(0.924)	9960	5.00000	4.50

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
73 1,2,3-Trichloropropane	75	8.490	8.479	(0.928)	9864	5.00000	4.35
74 n-Propylbenzene	91	8.537	8.531	(0.933)	42357	5.00000	7.06
75 2-Chlorotoluene	91	8.593	8.587	(0.939)	27250	5.00000	8.01
77 1,3,5-Trimethylbenzene	105	8.666	8.655	(0.947)	29626	5.00000	5.98
76 4-Chlorotoluene	126	8.593	8.587	(0.939)	10958	5.00000	5.01(Q)
78 tert-Butylbenzene	119	8.888	8.882	(0.971)	36638	5.00000	6.09
79 1,2,4-Trimethylbenzene	105	8.919	8.913	(0.975)	29791	5.00000	6.63
80 sec-Butylbenzene	105	9.033	9.027	(0.987)	40384	5.00000	6.77
81 1,3-Dichlorobenzene	146	9.110	9.099	(0.995)	21087	5.00000	7.52
83 p-Isopropyltoluene	119	9.131	9.125	(0.998)	34350	5.00000	6.54
* 82 1,4-Dichlorobenzene-d4	152	9.152	9.146	(1.000)	125573	50.0000	
84 1,4-Dichlorobenzene	146	9.167	9.161	(1.002)	21454	5.00000	7.41
86 n-Butylbenzene	91	9.400	9.394	(1.027)	22297	5.00000	5.77
85 1,2-Dichlorobenzene	146	9.410	9.404	(1.028)	20240	5.00000	7.21
87 1,2-Dibromo-3-chloropropane	155	9.906	9.900	(1.082)	1106	5.00000	10.3
88 1,2,4-Trichlorobenzene	180	10.418	10.407	(1.138)	6627	5.00000	7.65
89 Hexachlorobutadiene	225	10.516	10.505	(1.149)	3369	5.00000	8.63(Q)
90 Naphthalene	128	10.568	10.557	(1.155)	14857	5.00000	6.19
91 1,2,3-Trichlorobenzene	180	10.418	10.407	(1.138)	6627	5.00000	7.67

QC Flag Legend

T - Target compound detected outside RT window.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A03CAL3.D
Lab Smp Id: 5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 5ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	292603	-6.08
59 Chlorobenzene-d5	282684	141342	565368	250427	-11.41
82 1,4-Dichlorobenze	140868	70434	281736	125573	-10.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.39
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	8.45	
74-87-3	Chloromethane	4.55	
75-01-4	Vinyl Chloride	4.67	
74-83-9	Bromomethane	5.48	
75-00-3	Chloroethane	4.06	
75-69-4	Trichlorofluoromethane	4.13	
354-23-4	1,2-dichlorotrifluoroethane	4.99	
60-29-7	Diethyl ether	5.54	
75-65-0	tert-Butyl Alcohol	3.00	
107-02-8	Acrolein	119	
76-13-1	1,1,2trichlorotrifluoroethan	4.42	
75-35-4	1,1-Dichloroethene	4.49	
67-64-1	Acetone	21.1	
	Iodomethane	13.1	
75-15-0	Carbon Disulfide	13.0	
107-05-1	allyl chloride	11.4	
79-20-9	Methyl Acetate	6.52	
75-09-2	Methylene Chloride	6.98	
107-13-1	Acrylonitrile	41.8	
1634-04-4	Methyl-tert-butyl ether	10.9	
156-60-5	1,2-Dichloroethene (trans)	6.44	
	n-Hexane	6.45	
75-34-3	1,1-Dichloroethane	5.06	
108-05-4	Vinyl Acetate	21.0	
141-78-6	Ethyl acetate	82.5	
126-99-8	Chloroprene	7.32	
594-20-7	2,2-Dichloropropane	3.16	
156-59-2	1,2-Dichloroethene (cis)	5.26	
78-93-3	2-Butanone	23.2	
74-97-5	Bromochloromethane	4.86	
126-98-7	Methacrylonitrile	21.4	
67-66-3	Chloroform	5.19	
71-55-6	1,1,1-Trichloroethane	8.10	
	Tetrahydrofuran	1.81	
110-82-7	cyclohexane	7.67	
78-83-1	Isobutyl alcohol	0.000	
56-23-5	Carbon Tetrachloride	7.62	
563-58-6	1,1-Dichloropropene	7.26	
71-43-2	Benzene	5.08	
108-21-4	isopropyl acetate	43.1	
107-06-2	1,2-Dichloroethane	6.25	
79-01-6	Trichloroethene	7.00	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	6.65	
78-87-5	1,2-Dichloropropane	7.87	
74-95-3	Dibromomethane	6.62	
80-62-6	Methyl methacrylate	5.67	
540-84-1	2,2,4-Trimethylpentane	7.23	
75-27-4	Bromodichloromethane	7.20	
110-75-8	2-Chloroethyl vinyl ether	6.30	
10061-01-5	cis-1,3-Dichloropropene	4.86	
108-10-1	4-Methyl-2-Pentanone	23.8	
108-88-3	Toluene	5.12	
10061-02-6	trans-1,3-Dichloropropene	4.54	
	Ethyl Methacrylate	6.80	
79-00-5	1,1,2-Trichloroethane	6.70	
127-18-4	Tetrachloroethene	2.08	
142-28-9	1,3-Dichloropropane	5.20	
591-78-6	2-Hexanone	23.4	
124-48-1	Dibromochloromethane	6.99	
106-93-4	1,2-Dibromoethane	5.04	
108-90-7	Chlorobenzene	4.80	
630-20-6	1,1,1,2-Tetrachloroethane	7.07	
100-41-4	Ethylbenzene	5.31	
7816-60-0	m&p-Xylene	10.3	
95-47-6	o-Xylene	5.08	
100-42-5	Styrene	5.03	
75-25-2	Bromoform	8.36	
98-82-8	Isopropylbenzene	5.01	
	trans-1,4-Dichloro-2-butene	5.69	
628-63-7	n-amyl acetate	247	
108-86-1	Bromobenzene	7.59	
79-34-5	1,1,2,2-Tetrachloroethane	4.50	
96-18-4	1,2,3-Trichloropropane	4.35	
103-65-1	n-Propylbenzene	7.06	
95-49-8	2-Chlorotoluene	8.01	
108-67-8	1,3,5-Trimethylbenzene	5.98	
106-43-4	4-Chlorotoluene	5.01	
98-06-6	tert-Butylbenzene	6.09	
95-63-6	1,2,4-Trimethylbenzene	6.63	
135-98-8	sec-Butylbenzene	6.77	
541-73-1	1,3-Dichlorobenzene	7.52	
99-87-6	p-Isopropyltoluene	6.54	
106-46-7	1,4-Dichlorobenzene	7.41	
104-51-8	n-Butylbenzene	5.77	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

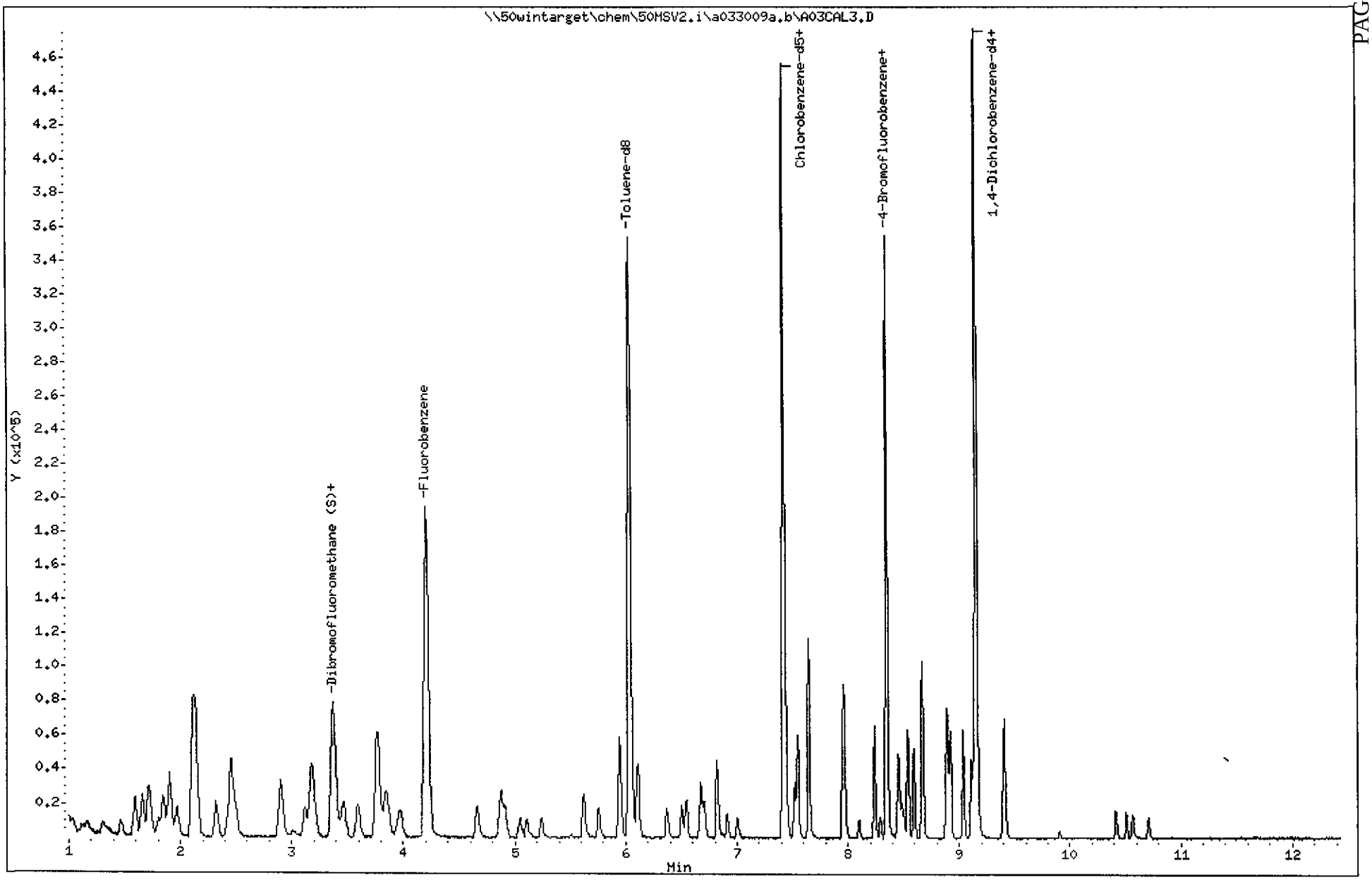
Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
95-50-1	1,2-Dichlorobenzene	7.21	
96-12-8	1,2-Dibromo-3-chloropropane	10.3	
120-82-1	1,2,4-Trichlorobenzene	7.65	
87-68-3	Hexachlorobutadiene	8.63	
91-20-3	Naphthalene	6.19	
87-61-6	1,2,3-Trichlorobenzene	7.67	
1868-53-7	Dibromofluoromethane (S)	50.4	
2037-26-5	Toluene-d8	51.6	
460-00-4	4-Bromofluorobenzene	51.0	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A03CAL3.D
Date : 30-MAR-2009 19:38
Client ID: 5ppb
Sample Info: 5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A04CAL4.D
Lab Smp Id: 10ppb Client Smp ID: 10ppb
Inj Date : 30-MAR-2009 20:11
Operator : amv Inst ID: 50MSV2.i
Smp Info : 10ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 9 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	1.035	1.036	(0.247)	23416	10.0000	14.3
2 Chloromethane	50	1.123	1.119	(0.268)	36675	10.0000	11.3
3 Vinyl Chloride	62	1.165	1.166	(0.277)	29604	10.0000	12.4
4 Bromomethane	94	1.299	1.300	(0.309)	14623	10.0000	9.63
5 Chloroethane	64	1.351	1.346	(0.322)	13805	10.0000	12.7
6 Trichlorofluoromethane	101	1.464	1.460	(0.349)	23005	10.0000	12.6
28 1,2-dichlorotrifluoroethane	67	1.583	1.579	(0.377)	22108	10.0000	12.0
7 Diethyl ether	74	1.589	1.589	(0.378)	9086	10.0000	11.2
17 tert-Butyl Alcohol	59	1.594	1.584	(0.380)	15424	20.0000	18.3
8 Acrolein	56	1.656	1.651	(0.394)	65708	200.000	255
10 1,1,2trichlorotrifluoroethane	101	1.707	1.698	(0.407)	15470	10.0000	11.3
9 1,1-Dichloroethene	96	1.707	1.708	(0.407)	15303	10.0000	11.3
11 Acetone	43	1.728	1.724	(0.412)	29971	50.0000	46.5
12 Iodomethane	142	1.795	1.796	(0.428)	54621	20.0000	26.7
13 Carbon Disulfide	76	1.842	1.832	(0.439)	107313	20.0000	25.6(M)
14 allyl chloride	41	1.899	1.889	(0.452)	70553	20.0000	24.8
138 Methyl Acetate	43	1.904	1.899	(0.453)	16617	10.0000	11.4
15 Methylene Chloride	84	1.966	1.961	(0.468)	18398	10.0000	13.1
16 Acrylonitrile	53	2.105	2.101	(0.502)	162197	200.000	166
19 Methyl-tert-butyl ether	73	2.136	2.132	(0.509)	85721	20.0000	22.6
18 1,2-Dichloroethene (trans)	96	2.136	2.127	(0.509)	19026	10.0000	13.2
20 n-Hexane	57	2.312	2.308	(0.551)	28921	10.0000	12.4
21 1,1-Dichloroethane	63	2.421	2.411	(0.577)	35573	10.0000	11.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 Vinyl Acetate	43	2.446	2.442	(0.583)	202475	40.0000	43.7
	140 Ethyl acetate	88	2.493	2.483	(0.594)	18255	100.000	144(Q)
	147 Chloroprene	53	2.493	2.483	(0.594)	29597	10.0000	13.0
	24 2,2-Dichloropropane	77	2.886	2.881	(0.687)	21982	10.0000	10.1
	25 1,2-Dichloroethene (cis)	96	2.891	2.881	(0.689)	22819	10.0000	11.6
	26 2-Butanone	43	2.901	2.897	(0.691)	50735	50.0000	48.7
	27 Propionitrile	54	2.969	2.949	(0.707)	2624	10.0000	7.71(Q)
	29 Bromochloromethane	49	3.118	3.104	(0.743)	19277	10.0000	10.4
	146 Methacrylonitrile	41	3.180	3.093	(0.758)	36392	50.0000	43.3(M)
	31 Chloroform	83	3.201	3.186	(0.762)	28921	10.0000	11.6
$	32 Dibromofluoromethane (S)	113	3.366	3.362	(0.802)	80113	50.0000	51.5
	33 1,1,1-Trichloroethane	97	3.403	3.383	(0.810)	21316	10.0000	13.6
	30 Tetrahydrofuran	42	3.175	3.166	(0.756)	43408	10.0000	3.47
	34 cyclohexane	56	3.465	3.450	(0.825)	36533	10.0000	13.3
	37 Isobutyl alcohol	43	3.180	3.166	(0.758)	9234	10.0000	4.38(Q)
	35 Carbon Tetrachloride	117	3.584	3.579	(0.854)	19150	10.0000	13.7
	36 1,1-Dichloropropene	75	3.584	3.579	(0.854)	22949	10.0000	13.1
	38 Benzene	78	3.842	3.827	(0.915)	74398	10.0000	10.9
	141 isopropyl acetate	61	3.857	3.845	(0.919)	2690	50.0000	78.4(M)
	39 1,2-Dichloroethane	62	3.868	3.853	(0.921)	19048	10.0000	12.0
*	40 Fluorobenzene	96	4.199	4.189	(1.000)	300179	50.0000	
	41 Trichloroethene	95	4.648	4.644	(1.107)	18169	10.0000	12.5
	139 Methylcyclohexane	55	4.876	4.856	(1.161)	28920	10.0000	12.7
	42 1,2-Dichloropropane	63	4.907	4.892	(1.169)	20350	10.0000	13.3
	43 Dibromomethane	93	5.041	5.032	(1.201)	10995	10.0000	11.5
	44 Methyl methacrylate	69	5.103	5.088	(1.215)	12368	10.0000	10.2
	143 2,2,4-Trimethylpentane	57	3.961	3.951	(0.943)	61675	10.0000	12.9
	45 Bromodichloromethane	83	5.237	5.228	(1.247)	20666	10.0000	12.0
	46 2-Chloroethyl vinyl ether	63	5.615	5.605	(0.757)	29417	10.0000	11.4
	47 cis-1,3-Dichloropropene	75	5.754	5.740	(0.776)	28610	10.0000	10.7
	48 4-Methyl-2-Pentanone	43	5.940	5.936	(0.801)	106423	50.0000	49.6
$	49 Toluene-d8	98	6.033	6.024	(0.813)	261132	50.0000	50.1
	50 Toluene	91	6.106	6.096	(0.823)	78960	10.0000	11.0
	51 trans-1,3-Dichloropropene	75	6.369	6.355	(0.859)	22984	10.0000	10.2
	52 Ethyl Methacrylate	69	6.493	6.489	(0.875)	24454	10.0000	11.2
	53 1,1,2-Trichloroethane	83	6.545	6.536	(0.882)	13582	10.0000	12.0
	54 Tetrachloroethene	166	6.669	6.665	(0.899)	28781	10.0000	8.94
	55 1,3-Dichloropropane	76	6.705	6.696	(0.904)	29074	10.0000	10.7
	56 2-Hexanone	43	6.814	6.804	(0.918)	69429	50.0000	49.2
	57 Dibromochloromethane	129	6.912	6.903	(0.932)	19255	10.0000	11.8
	58 1,2-Dibromoethane	107	7.000	6.990	(0.944)	19502	10.0000	10.1
*	59 Chlorobenzene-d5	117	7.419	7.414	(1.000)	264119	50.0000	
	60 Chlorobenzene	112	7.444	7.435	(1.003)	58181	10.0000	10.3
	61 1,1,1,2-Tetrachloroethane	131	7.517	7.512	(1.013)	20234	10.0000	12.0
	62 Ethylbenzene	106	7.543	7.538	(1.017)	31303	10.0000	11.8
	63 m&p-Xylene	106	7.641	7.636	(1.030)	80069	20.0000	22.7
	65 o-Xylene	106	7.951	7.947	(1.072)	39035	10.0000	11.1
	66 Styrene	104	7.966	7.962	(1.074)	63808	10.0000	10.8
	67 Bromoform	173	8.101	8.091	(0.885)	12313	10.0000	12.2
	68 Isopropylbenzene	105	8.235	8.231	(1.110)	97122	10.0000	11.7
	69 trans-1,4-Dichloro-2-butene	53	8.499	8.494	(1.146)	5254	10.0000	10.7(Q)
	142 n-amyl acetate	70	8.344	8.339	(1.125)	109	50.0000	2.19(QM)
$	70 4-Bromofluorobenzene	95	8.344	8.339	(1.125)	102288	50.0000	50.0
	71 Bromobenzene	77	8.447	8.443	(1.139)	37657	10.0000	14.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
72 1,1,2,2-Tetrachloroethane	83	8.457	8.453	(0.924)	23545	10.0000	10.1
73 1,2,3-Trichloropropane	75	8.483	8.479	(0.927)	23554	10.0000	9.86
74 n-Propylbenzene	91	8.535	8.531	(0.933)	98888	10.0000	12.8
75 2-Chlorotoluene	91	8.592	8.587	(0.939)	58809	10.0000	13.3
77 1,3,5-Trimethylbenzene	105	8.659	8.655	(0.946)	68658	10.0000	12.0
76 4-Chlorotoluene	126	8.592	8.587	(0.939)	23409	10.0000	10.2
78 tert-Butylbenzene	119	8.886	8.882	(0.971)	86856	10.0000	12.2
79 1,2,4-Trimethylbenzene	105	8.917	8.913	(0.975)	67928	10.0000	12.5
80 sec-Butylbenzene	105	9.031	9.027	(0.987)	92841	10.0000	12.4
81 1,3-Dichlorobenzene	146	9.109	9.099	(0.995)	46231	10.0000	12.6
83 p-Isopropyltoluene	119	9.129	9.125	(0.998)	76512	10.0000	12.0
* 82 1,4-Dichlorobenzene-d4	152	9.150	9.146	(1.000)	132337	50.0000	
84 1,4-Dichlorobenzene	146	9.166	9.161	(1.002)	47637	10.0000	12.6
86 n-Butylbenzene	91	9.398	9.394	(1.027)	54595	10.0000	11.4
85 1,2-Dichlorobenzene	146	9.408	9.404	(1.028)	44901	10.0000	12.6
87 1,2-Dibromo-3-chloropropane	155	9.899	9.900	(1.082)	3211	10.0000	13.6
88 1,2,4-Trichlorobenzene	180	10.411	10.407	(1.138)	19927	10.0000	12.1
89 Hexachlorobutadiene	225	10.509	10.505	(1.149)	8056	10.0000	13.0
90 Naphthalene	128	10.566	10.557	(1.155)	43468	10.0000	9.92
91 1,2,3-Trichlorobenzene	180	10.411	10.407	(1.138)	19927	10.0000	12.1
92 2,methyl-naphthalene	142	11.259	11.239	(1.230)	953	10.0000	20.0(QM)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A04CAL4.D
Lab Smp Id: 10ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 10ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	300179	-3.65
59 Chlorobenzene-d5	282684	141342	565368	264119	-6.57
82 1,4-Dichlorobenze	140868	70434	281736	132337	-6.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.23
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.06
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	14.3	
74-87-3	Chloromethane	11.3	
75-01-4	Vinyl Chloride	12.4	
74-83-9	Bromomethane	9.63	
75-00-3	Chloroethane	12.7	
75-69-4	Trichlorofluoromethane	12.6	
354-23-4	1,2-dichlorotrifluoroethane	12.0	
60-29-7	Diethyl ether	11.2	
75-65-0	tert-Butyl Alcohol	18.3	
107-02-8	Acrolein	255	
76-13-1	1,1,2trichlorotrifluoroethan	11.3	
75-35-4	1,1-Dichloroethene	11.3	
67-64-1	Acetone	46.5	
	Iodomethane	26.7	
75-15-0	Carbon Disulfide	25.6	
107-05-1	allyl chloride	24.8	
79-20-9	Methyl Acetate	11.4	
75-09-2	Methylene Chloride	13.1	
107-13-1	Acrylonitrile	166	
1634-04-4	Methyl-tert-butyl ether	22.6	
156-60-5	1,2-Dichloroethene (trans)	13.2	
	n-Hexane	12.4	
75-34-3	1,1-Dichloroethane	11.4	
108-05-4	Vinyl Acetate	43.7	
141-78-6	Ethyl acetate	144	
126-99-8	Chloroprene	13.0	
594-20-7	2,2-Dichloropropane	10.1	
156-59-2	1,2-Dichloroethene (cis)	11.6	
78-93-3	2-Butanone	48.7	
107-12-0	Propionitrile	7.71	
74-97-5	Bromochloromethane	10.4	
126-98-7	Methacrylonitrile	43.3	
67-66-3	Chloroform	11.6	
71-55-6	1,1,1-Trichloroethane	13.6	
	Tetrahydrofuran	3.47	
110-82-7	cyclohexane	13.3	
78-83-1	Isobutyl alcohol	4.38	
56-23-5	Carbon Tetrachloride	13.7	
563-58-6	1,1-Dichloropropene	13.1	
71-43-2	Benzene	10.9	
108-21-4	isopropyl acetate	78.4	
107-06-2	1,2-Dichloroethane	12.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	12.5	
108-87-2	Methylcyclohexane	12.7	
78-87-5	1,2-Dichloropropane	13.3	
74-95-3	Dibromomethane	11.5	
80-62-6	Methyl methacrylate	10.2	
540-84-1	2,2,4-Trimethylpentane	12.9	
75-27-4	Bromodichloromethane	12.0	
110-75-8	2-Chloroethyl vinyl ether	11.4	
10061-01-5	cis-1,3-Dichloropropene	10.7	
108-10-1	4-Methyl-2-Pentanone	49.6	
108-88-3	Toluene	11.0	
10061-02-6	trans-1,3-Dichloropropene	10.2	
	Ethyl Methacrylate	11.2	
79-00-5	1,1,2-Trichloroethane	12.0	
127-18-4	Tetrachloroethene	8.94	
142-28-9	1,3-Dichloropropane	10.7	
591-78-6	2-Hexanone	49.2	
124-48-1	Dibromochloromethane	11.8	
106-93-4	1,2-Dibromoethane	10.1	
108-90-7	Chlorobenzene	10.3	
630-20-6	1,1,1,2-Tetrachloroethane	12.0	
100-41-4	Ethylbenzene	11.8	
7816-60-0	m&p-Xylene	22.7	
95-47-6	o-Xylene	11.1	
100-42-5	Styrene	10.8	
75-25-2	Bromoform	12.2	
98-82-8	Isopropylbenzene	11.7	
	trans-1,4-Dichloro-2-butene	10.7	
628-63-7	n-amyl acetate	2.19	
108-86-1	Bromobenzene	14.1	
79-34-5	1,1,2,2-Tetrachloroethane	10.1	
96-18-4	1,2,3-Trichloropropane	9.86	
103-65-1	n-Propylbenzene	12.8	
95-49-8	2-Chlorotoluene	13.3	
108-67-8	1,3,5-Trimethylbenzene	12.0	
106-43-4	4-Chlorotoluene	10.2	
98-06-6	tert-Butylbenzene	12.2	
95-63-6	1,2,4-Trimethylbenzene	12.5	
135-98-8	sec-Butylbenzene	12.4	
541-73-1	1,3-Dichlorobenzene	12.6	
99-87-6	p-Isopropyltoluene	12.0	
106-46-7	1,4-Dichlorobenzene	12.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

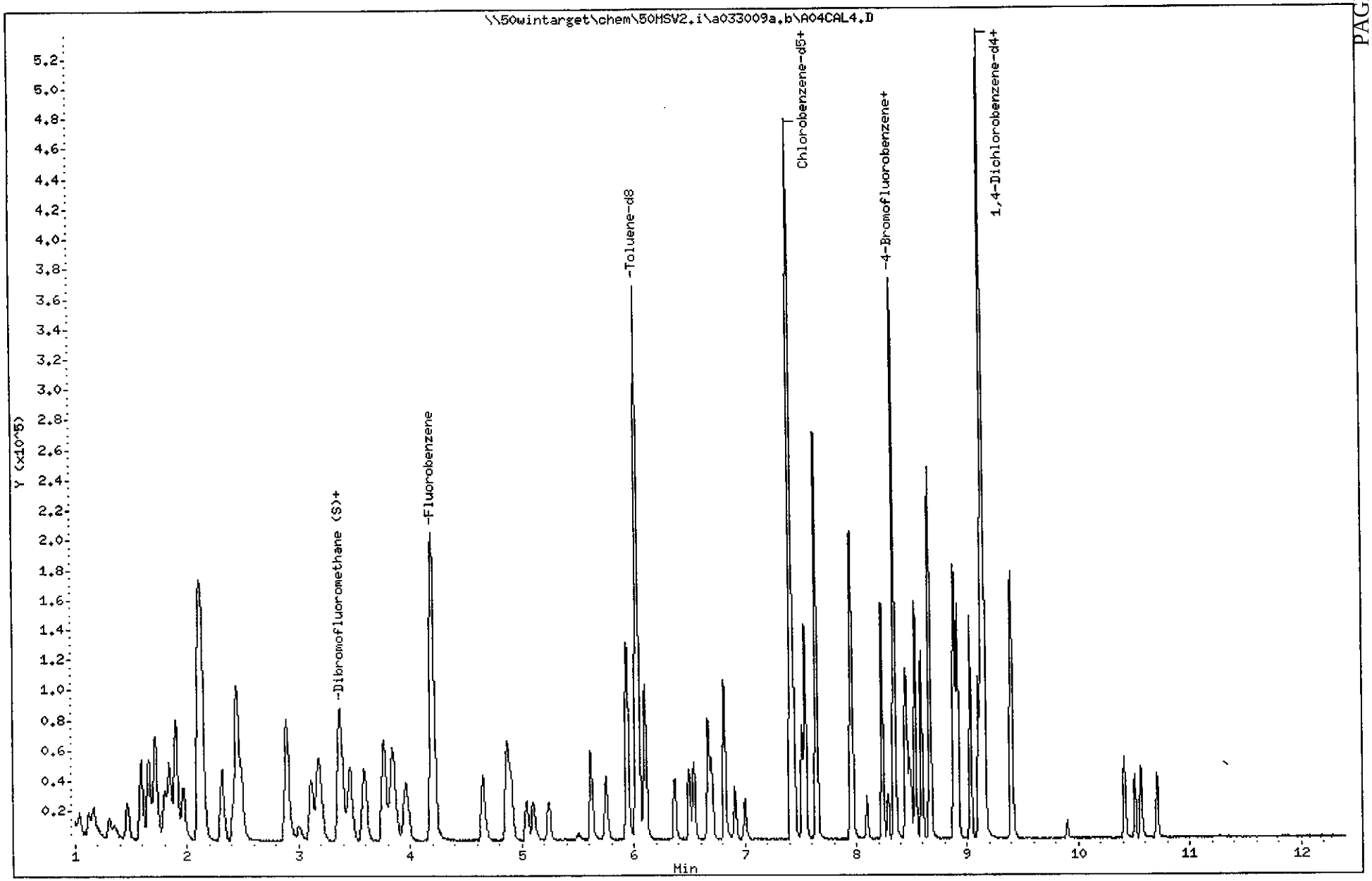
Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
104-51-8	n-Butylbenzene	11.4	
95-50-1	1,2-Dichlorobenzene	12.6	
96-12-8	1,2-Dibromo-3-chloropropane	13.6	
120-82-1	1,2,4-Trichlorobenzene	12.1	
87-68-3	Hexachlorobutadiene	13.0	
91-20-3	Naphthalene	9.92	
87-61-6	1,2,3-Trichlorobenzene	12.1	
	2,methyl-naphthalene	20.0	
1868-53-7	Dibromofluoromethane (S)	51.5	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A04CAL4.D
Date : 30-MAR-2009 20:11
Client ID: 10ppb
Sample Info: 10ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A05CAL5.D
Lab Smp Id: 50ppb
Client Smp ID: 50ppb
Inj Date : 30-MAR-2009 20:46
Inst ID: 50MSV2.i
Operator : amv
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez
Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29
Cal File: A08CAL8.D
Als bottle: 11
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	1.036	1.036	(0.247)	109777	50.0000	47.0
2 Chloromethane	50	1.119	1.119	(0.267)	151778	50.0000	45.0
3 Vinyl Chloride	62	1.166	1.166	(0.278)	120264	50.0000	48.7
4 Bromomethane	94	1.300	1.300	(0.310)	45310	50.0000	50.0
5 Chloroethane	64	1.346	1.346	(0.321)	51940	50.0000	49.4
6 Trichlorofluoromethane	101	1.460	1.460	(0.349)	92967	50.0000	53.5
28 1,2-dichlorotrifluoroethane	67	1.579	1.579	(0.377)	92196	50.0000	50.0
7 Diethyl ether	74	1.589	1.589	(0.379)	41559	50.0000	48.7
17 tert-Butyl Alcohol	59	1.584	1.584	(0.378)	70036	100.000	115
8 Acrolein	56	1.651	1.651	(0.394)	261181	1000.00	923
10 1,1,2trichlorotrifluoroethane	101	1.698	1.698	(0.405)	70718	50.0000	53.1
9 1,1-Dichloroethene	96	1.708	1.708	(0.408)	69212	50.0000	53.0
11 Acetone	43	1.724	1.724	(0.412)	137994	250.000	263
12 Iodomethane	142	1.796	1.796	(0.429)	190396	100.000	75.0
13 Carbon Disulfide	76	1.832	1.832	(0.437)	468408	100.000	101
14 allyl chloride	41	1.889	1.889	(0.451)	307101	100.000	108
145 Acetonitrile	41	1.145	1.145	(0.273)	356	1000.00	1410(Q)
138 Methyl Acetate	43	1.899	1.899	(0.453)	91410	50.0000	55.0
15 Methylene Chloride	84	1.961	1.961	(0.468)	76822	50.0000	49.7
16 Acrylonitrile	53	2.101	2.101	(0.502)	842583	1000.00	1150
19 Methyl-tert-butyl ether	73	2.132	2.132	(0.509)	403316	100.000	102
18 1,2-Dichloroethene (trans)	96	2.127	2.127	(0.508)	82173	50.0000	52.1
20 n-Hexane	57	2.308	2.308	(0.551)	132947	50.0000	48.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	21 1,1-Dichloroethane	63	2.411	2.411	(0.576)	167702	50.0000	51.8
	23 Vinyl Acetate	43	2.442	2.442	(0.583)	942889	200.000	196
	140 Ethyl acetate	88	2.483	2.483	(0.593)	83930	500.000	503
	147 Chloroprene	53	2.483	2.483	(0.593)	138157	50.0000	49.9
	24 2,2-Dichloropropane	77	2.881	2.881	(0.688)	101771	50.0000	52.8
	25 1,2-Dichloroethene (cis)	96	2.881	2.881	(0.688)	109755	50.0000	53.6
	26 2-Butanone	43	2.897	2.897	(0.692)	295657	250.000	273
	27 Propionitrile	54	2.949	2.949	(0.704)	18046	50.0000	51.1(Q)
	29 Bromochloromethane	49	3.104	3.104	(0.741)	104456	50.0000	54.3
	146 Methacrylonitrile	41	3.093	3.093	(0.738)	122294	250.000	263
	31 Chloroform	83	3.186	3.186	(0.761)	136162	50.0000	52.8
$	32 Dibromofluoromethane (S)	113	3.362	3.362	(0.803)	83235	50.0000	51.6
	33 1,1,1-Trichloroethane	97	3.383	3.383	(0.808)	107492	50.0000	50.4
	30 Tetrahydrofuran	42	3.166	3.166	(0.756)	82544	50.0000	54.6
	34 cyclohexane	56	3.450	3.450	(0.824)	176546	50.0000	49.2
	37 Isobutyl alcohol	43	3.166	3.166	(0.756)	18143	50.0000	58.1(Q)
	35 Carbon Tetrachloride	117	3.579	3.579	(0.854)	94070	50.0000	50.6
	36 1,1-Dichloropropene	75	3.579	3.579	(0.854)	108031	50.0000	49.6
	38 Benzene	78	3.827	3.827	(0.914)	352590	50.0000	49.6
	141 isopropyl acetate	61	3.843	3.845	(0.917)	13727	250.000	263(QM)
	39 1,2-Dichloroethane	62	3.853	3.853	(0.920)	92519	50.0000	51.3
*	40 Fluorobenzene	96	4.189	4.189	(1.000)	311539	50.0000	
	41 Trichloroethene	95	4.644	4.644	(1.109)	93785	50.0000	50.6
	139 Methylcyclohexane	55	4.856	4.856	(1.159)	136038	50.0000	49.5
	42 1,2-Dichloropropane	63	4.892	4.892	(1.168)	96717	50.0000	49.9
	43 Dibromomethane	93	5.032	5.032	(1.201)	60056	50.0000	50.6
	44 Methyl methacrylate	69	5.088	5.088	(1.215)	76477	50.0000	50.0
	143 2,2,4-Trimethylpentane	57	3.951	3.951	(0.943)	289124	50.0000	48.0
	144 1,4-Dioxane	88	5.083	5.083	(1.213)	361	1000.00	1780(Q)
	45 Bromodichloromethane	83	5.228	5.228	(1.248)	109351	50.0000	49.1
	46 2-Chloroethyl vinyl ether	63	5.605	5.605	(0.756)	163858	50.0000	50.2
	47 cis-1,3-Dichloropropene	75	5.740	5.740	(0.774)	145023	50.0000	50.8
	48 4-Methyl-2-Pentanone	43	5.936	5.936	(0.801)	588440	250.000	256
$	49 Toluene-d8	98	6.024	6.024	(0.812)	266856	50.0000	47.9
	50 Toluene	91	6.096	6.096	(0.822)	379185	50.0000	49.4
	51 trans-1,3-Dichloropropene	75	6.355	6.355	(0.857)	124222	50.0000	51.6
	52 Ethyl Methacrylate	69	6.489	6.489	(0.875)	144679	50.0000	50.0
	53 1,1,2-Trichloroethane	83	6.536	6.536	(0.882)	72581	50.0000	51.0
	54 Tetrachloroethene	166	6.665	6.665	(0.899)	164269	50.0000	60.0
	55 1,3-Dichloropropane	76	6.696	6.696	(0.903)	147947	50.0000	50.9
	56 2-Hexanone	43	6.804	6.804	(0.918)	421837	250.000	280
	57 Dibromochloromethane	129	6.903	6.903	(0.931)	111491	50.0000	49.7
	58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	105595	50.0000	51.0
*	59 Chlorobenzene-d5	117	7.414	7.414	(1.000)	282684	50.0000	
	60 Chlorobenzene	112	7.435	7.435	(1.003)	287037	50.0000	47.7
	61 1,1,1,2-Tetrachloroethane	131	7.512	7.512	(1.013)	106851	50.0000	49.9
	62 Ethylbenzene	106	7.538	7.538	(1.017)	147615	50.0000	52.2
	63 m&p-Xylene	106	7.636	7.636	(1.030)	371183	100.000	98.5
	65 o-Xylene	106	7.947	7.947	(1.072)	187380	50.0000	50.0
	66 Styrene	104	7.962	7.962	(1.074)	309811	50.0000	49.1
	67 Bromoform	173	8.091	8.091	(0.885)	83201	50.0000	46.6
	68 Isopropylbenzene	105	8.231	8.231	(1.110)	456896	50.0000	52.4
	69 trans-1,4-Dichloro-2-butene	53	8.494	8.494	(1.146)	33856	50.0000	51.0(Q)
	142 n-amyl acetate	70	8.339	8.339	(1.125)	336	250.000	153(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
$ 70 4-Bromofluorobenzene	95	8.339	8.339	(1.125)	109868	50.0000	50.1
71 Bromobenzene	77	8.443	8.443	(1.139)	150149	50.0000	49.2
72 1,1,2,2-Tetrachloroethane	83	8.453	8.453	(0.924)	128399	50.0000	51.7
73 1,2,3-Trichloropropane	75	8.479	8.479	(0.927)	134614	50.0000	52.9(Q)
74 n-Propylbenzene	91	8.531	8.531	(0.933)	472043	50.0000	49.2
75 2-Chlorotoluene	91	8.587	8.587	(0.939)	276727	50.0000	48.3
77 1,3,5-Trimethylbenzene	105	8.655	8.655	(0.946)	328541	50.0000	50.8
76 4-Chlorotoluene	126	8.587	8.587	(0.939)	117566	50.0000	47.9
78 tert-Butylbenzene	119	8.882	8.882	(0.971)	407014	50.0000	49.4
79 1,2,4-Trimethylbenzene	105	8.913	8.913	(0.975)	319077	50.0000	49.8
80 sec-Butylbenzene	105	9.027	9.027	(0.987)	450788	50.0000	49.3
81 1,3-Dichlorobenzene	146	9.099	9.099	(0.995)	232528	50.0000	48.7
83 p-Isopropyltoluene	119	9.125	9.125	(0.998)	378128	50.0000	49.6
* 82 1,4-Dichlorobenzene-d4	152	9.146	9.146	(1.000)	140868	50.0000	
84 1,4-Dichlorobenzene	146	9.161	9.161	(1.002)	233458	50.0000	48.4
86 n-Butylbenzene	91	9.394	9.394	(1.027)	282057	50.0000	49.6
85 1,2-Dichlorobenzene	146	9.404	9.404	(1.028)	219025	50.0000	49.5
87 1,2-Dibromo-3-chloropropane	155	9.900	9.900	(1.083)	27784	50.0000	50.1
88 1,2,4-Trichlorobenzene	180	10.407	10.407	(1.138)	131534	50.0000	47.5
89 Hexachlorobutadiene	225	10.505	10.505	(1.149)	45668	50.0000	46.9
90 Naphthalene	128	10.557	10.557	(1.154)	360757	50.0000	49.6
91 1,2,3-Trichlorobenzene	180	10.407	10.407	(1.138)	131534	50.0000	47.5
92 2,methyl-naphthalene	142	11.239	11.239	(1.229)	110764	50.0000	46.8(Q)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A05CAL5.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	311539	0.00
59 Chlorobenzene-d5	282684	141342	565368	282684	0.00
82 1,4-Dichlorobenze	140868	70434	281736	140868	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.19	0.00
59 Chlorobenzene-d5	7.41	6.91	7.91	7.41	0.00
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	47.0	
74-87-3	Chloromethane	45.0	
75-01-4	Vinyl Chloride	48.7	
74-83-9	Bromomethane	50.0	
75-00-3	Chloroethane	49.4	
75-69-4	Trichlorofluoromethane	53.5	
354-23-4	1,2-dichlorotrifluoroethane	50.0	
60-29-7	Diethyl ether	48.7	
75-65-0	tert-Butyl Alcohol	115	
107-02-8	Acrolein	923	
76-13-1	1,1,2trichlorotrifluoroethan	53.1	
75-35-4	1,1-Dichloroethene	53.0	
67-64-1	Acetone	263	
	Iodomethane	75.0	
75-15-0	Carbon Disulfide	101	
107-05-1	allyl chloride	108	
75-05-8	Acetonitrile	1410	
79-20-9	Methyl Acetate	55.0	
75-09-2	Methylene Chloride	49.7	
107-13-1	Acrylonitrile	1150	
1634-04-4	Methyl-tert-butyl ether	102	
156-60-5	1,2-Dichloroethene (trans)	52.1	
	n-Hexane	48.8	
75-34-3	1,1-Dichloroethane	51.8	
108-05-4	Vinyl Acetate	196	
141-78-6	Ethyl acetate	503	
126-99-8	Chloroprene	49.9	
594-20-7	2,2-Dichloropropane	52.8	
156-59-2	1,2-Dichloroethene (cis)	53.6	
78-93-3	2-Butanone	273	
107-12-0	Propionitrile	51.1	
74-97-5	Bromochloromethane	54.3	
126-98-7	Methacrylonitrile	263	
67-66-3	Chloroform	52.8	
71-55-6	1,1,1-Trichloroethane	50.4	
	Tetrahydrofuran	54.6	
110-82-7	cyclohexane	49.2	
78-83-1	Isobutyl alcohol	58.1	
56-23-5	Carbon Tetrachloride	50.6	
563-58-6	1,1-Dichloropropene	49.6	
71-43-2	Benzene	49.6	
108-21-4	isopropyl acetate	263	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	51.3	
79-01-6	Trichloroethene	50.6	
108-87-2	Methylcyclohexane	49.5	
78-87-5	1,2-Dichloropropane	49.9	
74-95-3	Dibromomethane	50.6	
80-62-6	Methyl methacrylate	50.0	
540-84-1	2,2,4-Trimethylpentane	48.0	
	1,4-Dioxane	1780	
75-27-4	Bromodichloromethane	49.1	
110-75-8	2-Chloroethyl vinyl ether	50.2	
10061-01-5	cis-1,3-Dichloropropene	50.8	
108-10-1	4-Methyl-2-Pentanone	256	
108-88-3	Toluene	49.4	
10061-02-6	trans-1,3-Dichloropropene	51.6	
	Ethyl Methacrylate	50.0	
79-00-5	1,1,2-Trichloroethane	51.0	
127-18-4	Tetrachloroethene	60.0	
142-28-9	1,3-Dichloropropane	50.9	
591-78-6	2-Hexanone	280	
124-48-1	Dibromochloromethane	49.7	
106-93-4	1,2-Dibromoethane	51.0	
108-90-7	Chlorobenzene	47.7	
630-20-6	1,1,1,2-Tetrachloroethane	49.9	
100-41-4	Ethylbenzene	52.2	
7816-60-0	m&p-Xylene	98.5	
95-47-6	o-Xylene	50.0	
100-42-5	Styrene	49.1	
75-25-2	Bromoform	46.6	
98-82-8	Isopropylbenzene	52.4	
	trans-1,4-Dichloro-2-butene	51.0	
628-63-7	n-amyl acetate	153	
108-86-1	Bromobenzene	49.2	
79-34-5	1,1,2,2-Tetrachloroethane	51.7	
96-18-4	1,2,3-Trichloropropane	52.9	
103-65-1	n-Propylbenzene	49.2	
95-49-8	2-Chlorotoluene	48.3	
108-67-8	1,3,5-Trimethylbenzene	50.8	
106-43-4	4-Chlorotoluene	47.9	
98-06-6	tert-Butylbenzene	49.4	
95-63-6	1,2,4-Trimethylbenzene	49.8	
135-98-8	sec-Butylbenzene	49.3	
541-73-1	1,3-Dichlorobenzene	48.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

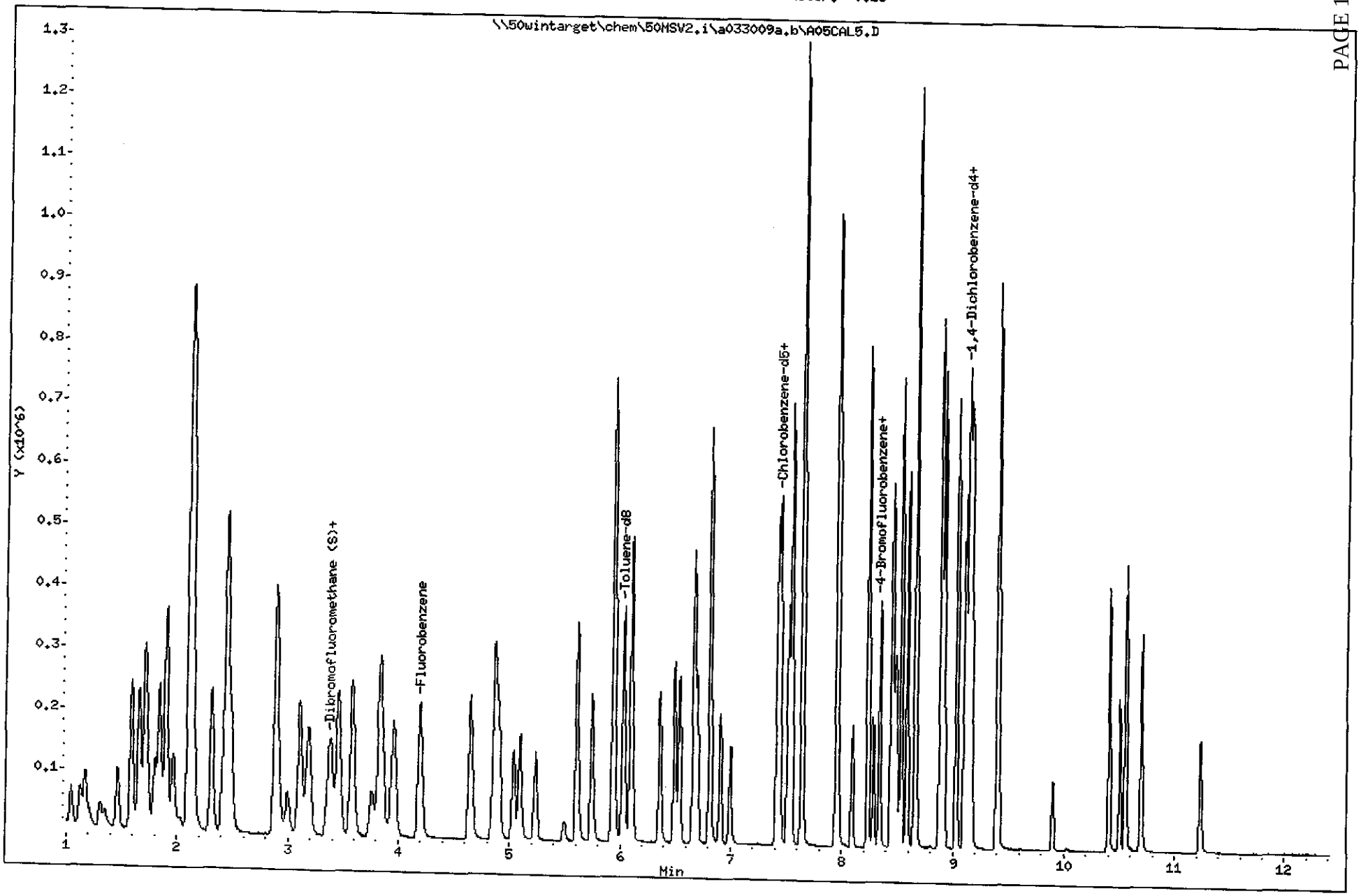
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	49.6	
106-46-7	1,4-Dichlorobenzene	48.4	
104-51-8	n-Butylbenzene	49.6	
95-50-1	1,2-Dichlorobenzene	49.5	
96-12-8	1,2-Dibromo-3-chloropropane	50.1	
120-82-1	1,2,4-Trichlorobenzene	47.5	
87-68-3	Hexachlorobutadiene	46.9	
91-20-3	Naphthalene	49.6	
87-61-6	1,2,3-Trichlorobenzene	47.5	
	2,methyl-naphthalene	46.8	
1868-53-7	Dibromofluoromethane (S)	51.6	
2037-26-5	Toluene-d8	47.9	
460-00-4	4-Bromofluorobenzene	50.1	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A05CAL5.D
Date : 30-MAR-2009 20:46
Client ID: 50ppb
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Page 8

Instrument: 50MSV2.i

Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A05CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 30-MAR-2009 20:46
Operator : amv Inst ID: 50MSV2.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 11 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.036	1.036	(0.247)	109182	50.0000	46.8
2 Chloromethane	50	1.119	1.119	(0.267)	151778	50.0000	45.0
3 Vinyl Chloride	62	1.166	1.166	(0.278)	120000	50.0000	48.6
4 Bromomethane	94	1.300	1.300	(0.310)	45310	50.0000	50.0
5 Chloroethane	64	1.346	1.346	(0.321)	51346	50.0000	49.4
6 Trichlorofluoromethane	101	1.460	1.460	(0.349)	92967	50.0000	53.5
28 1,2-dichlorotrifluoroethane	67	1.579	1.579	(0.377)	92196	50.0000	50.0
7 Diethyl ether	74	1.589	1.589	(0.379)	41559	50.0000	48.7
17 tert-Butyl Alcohol	59	1.584	1.584	(0.378)	70036	100.000	115
8 Acrolein	56	1.651	1.651	(0.394)	261181	1000.00	923
10 1,1,2trichlorotrifluoroethane	101	1.698	1.698	(0.405)	70718	50.0000	53.1
9 1,1-Dichloroethene	96	1.708	1.708	(0.408)	69212	50.0000	53.0
11 Acetone	43	1.724	1.724	(0.412)	137994	250.000	263
12 Iodomethane	142	1.796	1.796	(0.429)	190396	100.000	75.0
13 Carbon Disulfide	76	1.832	1.832	(0.437)	468408	100.000	101
14 allyl chloride	41	1.889	1.889	(0.451)	307101	100.000	108
145 Acetonitrile	41	1.145	1.145	(0.273)	356	1000.00	1410
138 Methyl Acetate	43	1.899	1.899	(0.453)	91410	50.0000	55.0
15 Methylene Chloride	84	1.961	1.961	(0.468)	76822	50.0000	49.7
16 Acrylonitrile	53	2.101	2.101	(0.502)	842129	1000.00	1150
19 Methyl-tert-butyl ether	73	2.132	2.132	(0.509)	403316	100.000	102
18 1,2-Dichloroethene (trans)	96	2.127	2.127	(0.508)	82173	50.0000	52.1
20 n-Hexane	57	2.308	2.308	(0.551)	132947	50.0000	48.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
21 1,1-Dichloroethane	63	2.411	2.411	(0.576)	167702	50.0000	51.8
23 Vinyl Acetate	43	2.442	2.442	(0.583)	942889	200.000	196
140 Ethyl acetate	88	2.483	2.483	(0.593)	83930	500.000	503
147 Chloroprene	53	2.483	2.483	(0.593)	138157	50.0000	49.9
24 2,2-Dichloropropane	77	2.881	2.881	(0.688)	101771	50.0000	52.8
25 1,2-Dichloroethene (cis)	96	2.881	2.881	(0.688)	109755	50.0000	53.6
26 2-Butanone	43	2.897	2.897	(0.692)	295657	250.000	273
27 Propionitrile	54	2.949	2.949	(0.704)	18046	50.0000	51.1
29 Bromochloromethane	49	3.104	3.104	(0.741)	104456	50.0000	54.3
146 Methacrylonitrile	41	3.093	3.093	(0.738)	122294	250.000	263
31 Chloroform	83	3.186	3.186	(0.761)	136162	50.0000	52.8
$ 32 Dibromofluoromethane (S)	113	3.362	3.362	(0.803)	83235	50.0000	51.6
33 1,1,1-Trichloroethane	97	3.383	3.383	(0.808)	107492	50.0000	50.4
30 Tetrahydrofuran	42	3.166	3.166	(0.756)	82544	50.0000	54.6
34 cyclohexane	56	3.450	3.450	(0.824)	176546	50.0000	49.2
37 Isobutyl alcohol	43	3.166	3.166	(0.756)	18143	50.0000	58.1
35 Carbon Tetrachloride	117	3.579	3.579	(0.854)	94070	50.0000	50.6
36 1,1-Dichloropropene	75	3.579	3.579	(0.854)	108031	50.0000	49.6
38 Benzene	78	3.827	3.827	(0.914)	352590	50.0000	49.6
39 1,2-Dichloroethane	62	3.853	3.853	(0.920)	92519	50.0000	51.3
* 40 Fluorobenzene	96	4.189	4.189	(1.000)	311539	50.0000	
41 Trichloroethene	95	4.644	4.644	(1.109)	93785	50.0000	50.6
139 Methylcyclohexane	55	4.856	4.856	(1.159)	136038	50.0000	49.5
42 1,2-Dichloropropane	63	4.892	4.892	(1.168)	96717	50.0000	49.9
43 Dibromomethane	93	5.032	5.032	(1.201)	60056	50.0000	50.6
44 Methyl methacrylate	69	5.088	5.088	(1.215)	76477	50.0000	50.0
143 2,2,4-Trimethylpentane	57	3.951	3.951	(0.943)	289124	50.0000	48.0
144 1,4-Dioxane	88	5.083	5.083	(1.213)	361	1000.00	1780
45 Bromodichloromethane	83	5.228	5.228	(1.248)	109351	50.0000	49.1
46 2-Chloroethyl vinyl ether	63	5.605	5.605	(0.756)	163858	50.0000	50.2
47 cis-1,3-Dichloropropene	75	5.740	5.740	(0.774)	145023	50.0000	50.8
48 4-Methyl-2-Pentanone	43	5.936	5.936	(0.801)	588440	250.000	256
$ 49 Toluene-d8	98	6.024	6.024	(0.812)	266856	50.0000	47.9
50 Toluene	91	6.096	6.096	(0.822)	379185	50.0000	49.4
51 trans-1,3-Dichloropropene	75	6.355	6.355	(0.857)	124222	50.0000	51.6
52 Ethyl Methacrylate	69	6.489	6.489	(0.875)	144679	50.0000	50.0
53 1,1,2-Trichloroethane	83	6.536	6.536	(0.882)	72581	50.0000	51.0
54 Tetrachloroethene	166	6.665	6.665	(0.899)	164269	50.0000	60.0
55 1,3-Dichloropropane	76	6.696	6.696	(0.903)	147947	50.0000	50.9
56 2-Hexanone	43	6.804	6.804	(0.918)	421837	250.000	280
57 Dibromochloromethane	129	6.903	6.903	(0.931)	111491	50.0000	49.7
58 1,2-Dibromoethane	107	6.990	6.990	(0.943)	105595	50.0000	51.0
* 59 Chlorobenzene-d5	117	7.414	7.414	(1.000)	282684	50.0000	
60 Chlorobenzene	112	7.435	7.435	(1.003)	287037	50.0000	47.7
61 1,1,1,2-Tetrachloroethane	131	7.512	7.512	(1.013)	106851	50.0000	49.9
62 Ethylbenzene	106	7.538	7.538	(1.017)	147615	50.0000	52.2
63 m&p-Xylene	106	7.636	7.636	(1.030)	371183	100.000	98.5
65 o-Xylene	106	7.947	7.947	(1.072)	187380	50.0000	50.0
66 Styrene	104	7.962	7.962	(1.074)	309811	50.0000	49.1
67 Bromoform	173	8.091	8.091	(0.885)	83201	50.0000	46.6
68 Isopropylbenzene	105	8.231	8.231	(1.110)	456896	50.0000	52.4
69 trans-1,4-Dichloro-2-butene	53	8.494	8.494	(1.146)	33856	50.0000	51.0
142 n-amyl acetate	70	8.339	8.339	(1.125)	336	250.000	153
$ 70 4-Bromofluorobenzene	95	8.339	8.339	(1.125)	109868	50.0000	50.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
71 Bromobenzene	77	8.443	8.443	(1.139)	150149	50.0000	49.2
72 1,1,2,2-Tetrachloroethane	83	8.453	8.453	(0.924)	128399	50.0000	51.7
73 1,2,3-Trichloropropane	75	8.479	8.479	(0.927)	134614	50.0000	52.9
74 n-Propylbenzene	91	8.531	8.531	(0.933)	472043	50.0000	49.2
75 2-Chlorotoluene	91	8.587	8.587	(0.939)	276727	50.0000	48.3
77 1,3,5-Trimethylbenzene	105	8.655	8.655	(0.946)	328541	50.0000	50.8
76 4-Chlorotoluene	126	8.587	8.587	(0.939)	117566	50.0000	47.9
78 tert-Butylbenzene	119	8.882	8.882	(0.971)	407014	50.0000	49.4
79 1,2,4-Trimethylbenzene	105	8.913	8.913	(0.975)	319077	50.0000	49.8
80 sec-Butylbenzene	105	9.027	9.027	(0.987)	450788	50.0000	49.3
81 1,3-Dichlorobenzene	146	9.099	9.099	(0.995)	232528	50.0000	48.7
83 p-Isopropyltoluene	119	9.125	9.125	(0.998)	378128	50.0000	49.6
* 82 1,4-Dichlorobenzene-d4	152	9.146	9.146	(1.000)	140868	50.0000	
84 1,4-Dichlorobenzene	146	9.161	9.161	(1.002)	233458	50.0000	48.4
86 n-Butylbenzene	91	9.394	9.394	(1.027)	282057	50.0000	49.6
85 1,2-Dichlorobenzene	146	9.404	9.404	(1.028)	219025	50.0000	49.5
87 1,2-Dibromo-3-chloropropane	155	9.900	9.900	(1.083)	27784	50.0000	50.1
88 1,2,4-Trichlorobenzene	180	10.407	10.407	(1.138)	131534	50.0000	47.5
89 Hexachlorobutadiene	225	10.505	10.505	(1.149)	45668	50.0000	46.9
90 Naphthalene	128	10.557	10.557	(1.154)	360757	50.0000	49.6
91 1,2,3-Trichlorobenzene	180	10.407	10.407	(1.138)	131534	50.0000	47.5
92 2,methyl-naphthalene	142	11.239	11.239	(1.229)	110764	50.0000	46.8

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A05CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 31-MAR-2009
Calibration Time: 00:08
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	311539	0.00
59 Chlorobenzene-d5	282684	141342	565368	282684	0.00
82 1,4-Dichlorobenze	140868	70434	281736	140868	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.19	0.00
59 Chlorobenzene-d5	7.41	6.91	7.91	7.41	0.00
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i
Lab File ID: A05CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m

Injection Date: 30-MAR-2009 20:46
Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Init. Cal. Times: 18:31 22:26
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	50.00000	46.79150	0.35046	0.000	-6.41701	0.000e+000	Linear
2 Chloromethane	0.54079	0.48719	0.48719	0.000	-9.91164	20.00000	Averaged
3 Vinyl Chloride	0.39626	0.38518	0.38518	0.000	-2.79580	20.00000	Averaged
4 Bromomethane	50.00000	50.01744	0.14544	0.000	0.03487	0.000e+000	Quadratic
5 Chloroethane	50.00000	49.36211	0.16481	0.000	-1.27579	0.000e+000	Linear
6 Trichlorofluoromethane	50.00000	53.47872	0.29841	0.000	6.95745	0.000e+000	Linear
28 1,2-dichlorotrifluoroethane	50.00000	49.95765	0.29594	0.000	-0.08470	0.000e+000	Quadratic
7 Diethyl ether	50.00000	48.74402	0.13340	0.000	-2.51197	0.000e+000	Quadratic
17 tert-Butyl Alcohol	100	115	0.11240	0.000	14.71516	0.000e+000	Linear
8 Acrolein	1000	923	0.04192	0.000	-7.70527	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	50.00000	53.07223	0.22700	0.000	6.14445	0.000e+000	Linear
9 1,1-Dichloroethene	50.00000	52.97763	0.22216	0.000	5.95525	0.000e+000	Linear
11 Acetone	250	263	0.08859	0.000	5.26203	0.000e+000	Quadratic
12 Iodomethane	100	75.03601	0.30557	0.000	-24.96399	0.000e+000	Quadratic
13 Carbon Disulfide	100	101	0.75176	0.000	0.71792	0.000e+000	Linear
14 allyl chloride	100	108	0.49288	0.000	7.56192	0.000e+000	Linear
145 Acetonitrile	1000	1406	0.00006	0.000	40.61780	0.000e+000	Linear
138 Methyl Acetate	50.00000	54.99963	0.29341	0.000	9.99926	0.000e+000	Linear
15 Methylene Chloride	50.00000	49.71870	0.24659	0.000	-0.56259	0.000e+000	Linear
16 Acrylonitrile	1000	1149	0.13516	0.000	14.92726	0.000e+000	Linear
19 Methyl-tert-butyl ether	0.63149	0.64730	0.64730	0.000	2.50368	20.00000	Averaged
18 1,2-Dichloroethene (trans)	50.00000	52.06945	0.26376	0.000	4.13890	0.000e+000	Linear
20 n-Hexane	50.00000	48.77549	0.42674	0.000	-2.44902	0.000e+000	Linear
21 1,1-Dichloroethane	0.51929	0.53830	0.53830	0.000	3.66093	20.00000	Averaged
23 Vinyl Acetate	0.77185	0.75664	0.75664	0.000	-1.97027	20.00000	Averaged
140 Ethyl acetate	500	503	0.02694	0.000	0.66040	0.000e+000	Linear
147 Chloroprene	50.00000	49.88919	0.44347	0.000	-0.22161	0.000e+000	Linear
24 2,2-Dichloropropane	50.00000	52.83491	0.32667	0.000	5.66983	0.000e+000	Linear
25 1,2-Dichloroethene (cis)	0.32864	0.35230	0.35230	0.000	7.19920	20.00000	Averaged
26 2-Butanone	0.17359	0.18980	0.18980	0.000	9.34035	20.00000	Averaged
27 Propionitrile	0.05671	0.05793	0.05793	0.000	2.13596	20.00000	Averaged
29 Bromochloromethane	0.30894	0.33529	0.33529	0.000	8.53001	20.00000	Averaged
146 Methacrylonitrile	250	263	0.07851	0.000	5.27012	0.000e+000	Linear
31 Chloroform	0.41362	0.43706	0.43706	0.000	5.66850	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.25888	0.26717	0.26717	0.000	3.20419	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	50.36874	0.34504	0.000	0.73749	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	54.57888	0.26496	0.000	9.15776	0.000e+000	Linear
34 cyclohexane	50.00000	49.24583	0.56669	0.000	-1.50834	0.000e+000	Linear
37 Isobutyl alcohol	50.00000	58.06662	0.05824	0.000	16.13325	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	50.55149	0.30195	0.000	1.10298	0.000e+000	Linear
36 1,1-Dichloropropene	50.00000	49.64811	0.34677	0.000	-0.70379	0.000e+000	Linear
38 Benzene	1.14033	1.13177	1.13177	0.000	-0.75079	20.00000	Averaged

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 30-MAR-2009 20:46
Lab File ID: A05CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 isopropyl acetate	++++	++++	++++	0.000	++++	0.000e+000	Linear	<-
39 1,2-Dichloroethane	50.00000	51.26484	0.29697	0.000	2.52968	0.000e+000	Linear	
41 Trichloroethene	50.00000	50.59440	0.30104	0.000	1.18880	0.000e+000	Linear	
139 Methylcyclohexane	50.00000	49.47278	0.43666	0.000	-1.05444	0.000e+000	Linear	
42 1,2-Dichloropropane	50.00000	49.94405	0.31045	0.000	-0.11189	0.000e+000	Linear	
43 Dibromomethane	50.00000	50.61559	0.19277	0.000	1.23117	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	50.03203	0.24548	0.000	0.06406	0.000e+000	Linear	
143 2,2,4-Trimethylpentane	50.00000	47.95774	0.92805	0.000	-4.08451	0.000e+000	Linear	
144 1,4-Dioxane	1000	1780	0.00006	0.000	77.95824	0.000e+000	Linear	
45 Bromodichloromethane	50.00000	49.08375	0.35100	0.000	-1.83249	0.000e+000	Linear	
46 2-Chloroethyl vinyl ether	50.00000	50.19502	0.57965	0.000	0.39004	0.000e+000	Linear	
47 cis-1,3-Dichloropropene	0.50495	0.51302	0.51302	0.000	1.59942	20.00000	Averaged	
48 4-Methyl-2-Pentanone	0.40608	0.41632	0.41632	0.000	2.52184	20.00000	Averaged	
$ 49 Toluene-d8	0.98590	0.94401	0.94401	0.000	-4.24945	20.00000	Averaged	
50 Toluene	1.35742	1.34137	1.34137	0.000	-1.18186	20.00000	Averaged	
51 trans-1,3-Dichloropropene	0.42553	0.43944	0.43944	0.000	3.26871	20.00000	Averaged	
52 Ethyl Methacrylate	50.00000	50.02774	0.51180	0.000	0.05548	0.000e+000	Linear	
53 1,1,2-Trichloroethane	50.00000	50.98828	0.25676	0.000	1.97656	0.000e+000	Linear	
54 Tetrachloroethene	50.00000	60.05365	0.58110	0.000	20.10730	0.000e+000	Quadratic	
55 1,3-Dichloropropane	0.51402	0.52337	0.52337	0.000	1.81734	20.00000	Averaged	
56 2-Hexanone	0.26691	0.29845	0.29845	0.000	11.81865	20.00000	Averaged	
57 Dibromochloromethane	50.00000	49.70996	0.39440	0.000	-0.58008	0.000e+000	Linear	
58 1,2-Dibromoethane	0.36602	0.37354	0.37354	0.000	2.05614	20.00000	Averaged	
60 Chlorobenzene	1.06445	1.01540	1.01540	0.000	-4.60826	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	49.92776	0.37799	0.000	-0.14449	0.000e+000	Linear	
62 Ethylbenzene	0.50063	0.52219	0.52219	0.000	4.30658	20.00000	Averaged	
63 m&p-Xylene	0.66659	0.65653	0.65653	0.000	-1.50902	20.00000	Averaged	
65 o-Xylene	0.66344	0.66286	0.66286	0.000	-0.08666	20.00000	Averaged	
66 Styrene	1.11542	1.09596	1.09596	0.000	-1.74484	20.00000	Averaged	
67 Bromoform	50.00000	46.65930	0.59063	0.000	-6.68140	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	52.39177	1.61628	0.000	4.78354	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	51.00619	0.11977	0.000	2.01239	0.000e+000	Linear	
142 n-amyl acetate	250	153	0.00024	0.000	-38.62981	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.38751	0.38866	0.38866	0.000	0.29664	20.00000	Averaged	
71 Bromobenzene	50.00000	49.19458	0.53115	0.000	-1.61084	0.000e+000	Linear	
72 1,1,2,2-Tetrachloroethane	0.88073	0.91148	0.91148	0.000	3.49202	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.90287	0.95560	0.95560	0.000	5.84109	20.00000	Averaged	
74 n-Propylbenzene	50.00000	49.16102	3.35096	0.000	-1.67795	0.000e+000	Linear	
75 2-Chlorotoluene	50.00000	48.34575	1.96444	0.000	-3.30850	0.000e+000	Linear	
77 1,3,5-Trimethylbenzene	50.00000	50.78631	2.33226	0.000	1.57262	0.000e+000	Linear	
76 4-Chlorotoluene	0.87050	0.83458	0.83458	0.000	-4.12651	20.00000	Averaged	
78 tert-Butylbenzene	50.00000	49.38290	2.88933	0.000	-1.23419	0.000e+000	Linear	
79 1,2,4-Trimethylbenzene	50.00000	49.79190	2.26508	0.000	-0.41619	0.000e+000	Linear	

Pace Analytical Services, Inc.

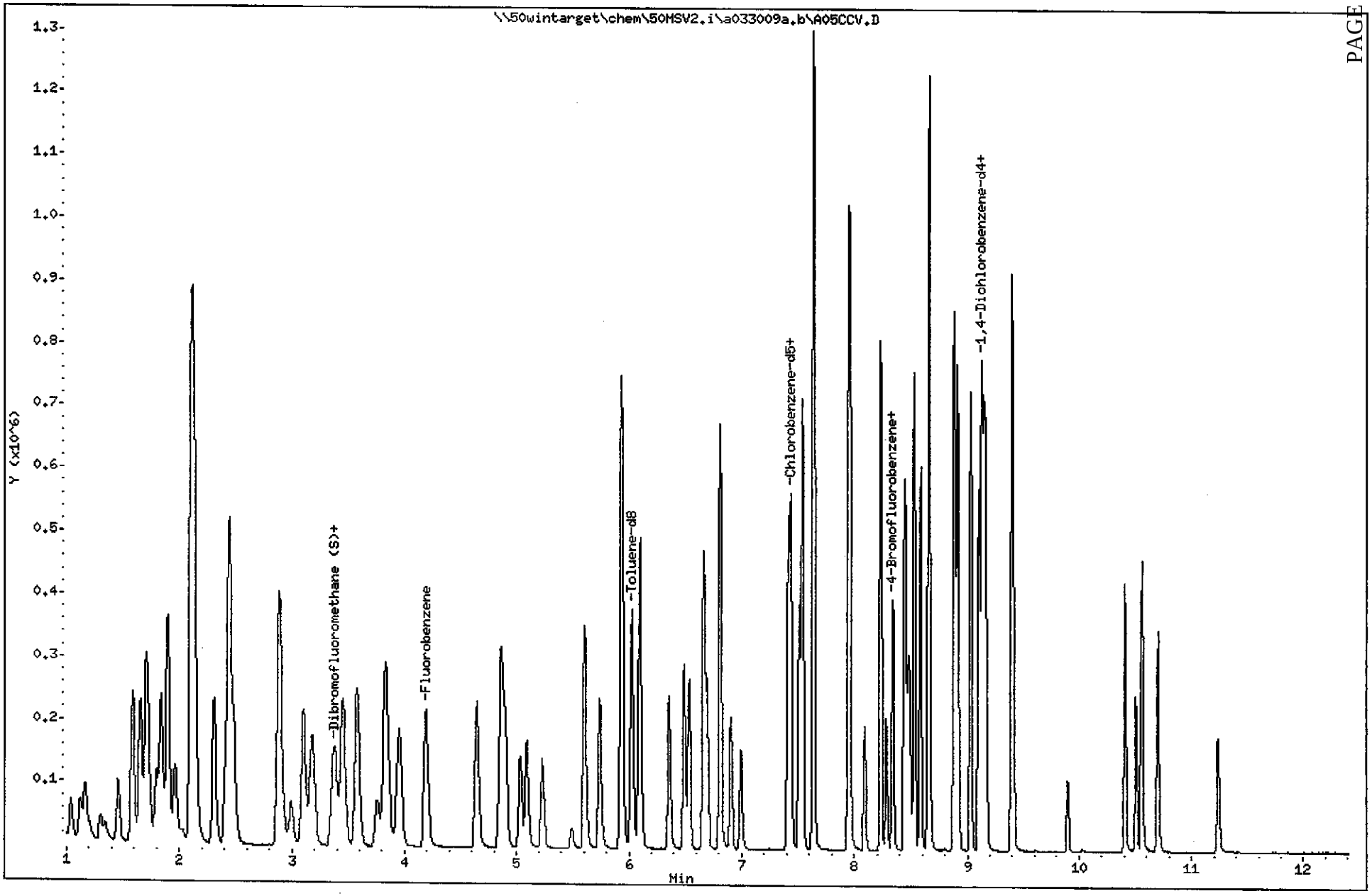
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 30-MAR-2009 20:46
Lab File ID: A05CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
80 sec-Butylbenzene	50.00000	49.28281	3.20007	0.000	-1.43438	0.000e+000	Linear
81 1,3-Dichlorobenzene	50.00000	48.71648	1.65068	0.000	-2.56704	0.000e+000	Linear
83 p-Isopropyltoluene	50.00000	49.57353	2.68427	0.000	-0.85294	0.000e+000	Linear
84 1,4-Dichlorobenzene	50.00000	48.35002	1.65728	0.000	-3.29997	0.000e+000	Linear
86 n-Butylbenzene	50.00000	49.61724	2.00228	0.000	-0.76553	0.000e+000	Linear
85 1,2-Dichlorobenzene	50.00000	49.47788	1.55482	0.000	-1.04424	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	50.14136	0.19723	0.000	0.28272	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	47.47154	0.93374	0.000	-5.05692	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	46.92892	0.32419	0.000	-6.14215	0.000e+000	Linear
90 Naphthalene	50.00000	49.55947	2.56096	0.000	-0.88105	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	47.46519	0.93374	0.000	-5.06963	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	46.75607	0.78630	0.000	-6.48785	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A05CCV.D
Date : 30-MAR-2009 20:46
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A06CAL6.D
Lab Smp Id: 100ppb Client Smp ID: 100ppb
Inj Date : 30-MAR-2009 21:19
Operator : amv Inst ID: 50MSV2.i
Smp Info : 100ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 13 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.033	1.036	(0.247)	217403	100.000	91.7
2 Chloromethane	50	1.116	1.119	(0.266)	288908	100.000	89.3
3 Vinyl Chloride	62	1.162	1.166	(0.277)	226738	100.000	95.6
4 Bromomethane	94	1.291	1.300	(0.308)	59615	100.000	84.5
5 Chloroethane	64	1.338	1.346	(0.319)	86902	100.000	87.1(M)
6 Trichlorofluoromethane	101	1.451	1.460	(0.346)	161152	100.000	97.8
28 1,2-dichlorotrifluoroethane	67	1.576	1.579	(0.376)	165769	100.000	96.9
7 Diethyl ether	74	1.581	1.589	(0.377)	74630	100.000	95.8
17 tert-Butyl Alcohol	59	1.581	1.584	(0.377)	124515	200.000	221
8 Acrolein	56	1.648	1.651	(0.393)	517964	2000.00	1890
10 1,1,2trichlorotrifluoroethane	101	1.694	1.698	(0.404)	128122	100.000	101
9 1,1-Dichloroethene	96	1.700	1.708	(0.406)	123949	100.000	99.8
11 Acetone	43	1.725	1.724	(0.412)	259298	500.000	534
12 Iodomethane	142	1.787	1.796	(0.427)	444951	200.000	186
13 Carbon Disulfide	76	1.829	1.832	(0.436)	867385	200.000	192
14 allyl chloride	41	1.886	1.889	(0.450)	532919	200.000	195(M)
145 Acetonitrile	41	1.147	1.145	(0.274)	1205	2000.00	2040(Q)
138 Methyl Acetate	43	1.896	1.899	(0.452)	163135	100.000	101
15 Methylene Chloride	84	1.958	1.961	(0.467)	141540	100.000	94.5
16 Acrylonitrile	53	2.103	2.101	(0.502)	1510663	2000.00	2220
19 Methyl-tert-butyl ether	73	2.129	2.132	(0.508)	719526	200.000	190
18 1,2-Dichloroethene (trans)	96	2.123	2.127	(0.507)	146771	100.000	96.1
20 n-Hexane	57	2.299	2.308	(0.549)	254427	100.000	95.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	21 1,1-Dichloroethane	63	2.408	2.411	(0.575)	306996	100.000	98.8
	23 Vinyl Acetate	43	2.439	2.442	(0.582)	1695031	400.000	367
	140 Ethyl acetate	88	2.480	2.483	(0.592)	156523	1000.00	941(Q)
	147 Chloroprene	53	2.480	2.483	(0.592)	257055	100.000	94.3
	24 2,2-Dichloropropane	77	2.878	2.881	(0.687)	188961	100.000	104
	25 1,2-Dichloroethene (cis)	96	2.878	2.881	(0.687)	198562	100.000	101
	26 2-Butanone	43	2.893	2.897	(0.690)	546156	500.000	526
	27 Propionitrile	54	2.945	2.949	(0.703)	32408	100.000	95.6(Q)
	29 Bromochloromethane	49	3.100	3.104	(0.740)	196650	100.000	106
	146 Methacrylonitrile	41	3.095	3.093	(0.739)	209680	500.000	513
	31 Chloroform	83	3.188	3.186	(0.761)	254389	100.000	103
$	32 Dibromofluoromethane (S)	113	3.359	3.362	(0.801)	77401	50.0000	50.0
	33 1,1,1-Trichloroethane	97	3.384	3.383	(0.808)	199198	100.000	93.5
	30 Tetrahydrofuran	42	3.162	3.166	(0.755)	116105	100.000	107
	34 cyclohexane	56	3.447	3.450	(0.822)	331564	100.000	93.1
	37 Isobutyl alcohol	43	3.162	3.166	(0.755)	25263	100.000	109(Q)
	35 Carbon Tetrachloride	117	3.571	3.579	(0.852)	173123	100.000	93.4
	36 1,1-Dichloropropene	75	3.576	3.579	(0.853)	202272	100.000	94.2
	38 Benzene	78	3.824	3.827	(0.912)	654569	100.000	96.0
	141 isopropyl acetate	61	3.850	3.845	(0.919)	26415	500.000	496(M)
	39 1,2-Dichloroethane	62	3.850	3.853	(0.919)	169619	100.000	96.7
*	40 Fluorobenzene	96	4.191	4.189	(1.000)	299017	50.0000	
	41 Trichloroethene	95	4.640	4.644	(1.107)	172416	100.000	94.2
	139 Methylcyclohexane	55	4.858	4.856	(1.159)	256121	100.000	94.8
	42 1,2-Dichloropropane	63	4.899	4.892	(1.169)	182683	100.000	95.3
	43 Dibromomethane	93	5.028	5.032	(1.200)	111956	100.000	96.1
	44 Methyl methacrylate	69	5.090	5.088	(1.215)	149192	100.000	99.5
	143 2,2,4-Trimethylpentane	57	3.948	3.951	(0.942)	557364	100.000	93.4
	144 1,4-Dioxane	88	5.080	5.083	(1.212)	1193	2000.00	2510(Q)
	45 Bromodichloromethane	83	5.230	5.228	(1.248)	208520	100.000	94.6
	46 2-Chloroethyl vinyl ether	63	5.607	5.605	(0.756)	306090	100.000	96.7
	47 cis-1,3-Dichloropropene	75	5.741	5.740	(0.774)	270425	100.000	99.8
	48 4-Methyl-2-Pentanone	43	5.938	5.936	(0.801)	1093099	500.000	501
$	49 Toluene-d8	98	6.026	6.024	(0.813)	257068	50.0000	48.6
	50 Toluene	91	6.098	6.096	(0.822)	692428	100.000	95.0
	51 trans-1,3-Dichloropropene	75	6.356	6.355	(0.857)	235821	100.000	103
	52 Ethyl Methacrylate	69	6.491	6.489	(0.875)	272653	100.000	96.7
	53 1,1,2-Trichloroethane	83	6.537	6.536	(0.882)	132820	100.000	96.2
	54 Tetrachloroethene	166	6.666	6.665	(0.899)	311841	100.000	117
	55 1,3-Dichloropropane	76	6.697	6.696	(0.903)	270800	100.000	98.1
	56 2-Hexanone	43	6.811	6.804	(0.918)	792601	500.000	553
	57 Dibromochloromethane	129	6.904	6.903	(0.931)	206656	100.000	94.0
	58 1,2-Dibromoethane	107	6.992	6.990	(0.943)	198344	100.000	101
*	59 Chlorobenzene-d5	117	7.416	7.414	(1.000)	268377	50.0000	
	60 Chlorobenzene	112	7.437	7.435	(1.003)	530363	100.000	92.8
	61 1,1,1,2-Tetrachloroethane	131	7.514	7.512	(1.013)	198149	100.000	95.2
	62 Ethylbenzene	106	7.540	7.538	(1.017)	267722	100.000	99.6
	63 m&p-Xylene	106	7.638	7.636	(1.030)	670937	200.000	188
	65 o-Xylene	106	7.948	7.947	(1.072)	343942	100.000	96.6
	66 Styrene	104	7.964	7.962	(1.074)	556773	100.000	93.0
	67 Bromoform	173	8.093	8.091	(0.885)	158984	100.000	90.0
	68 Isopropylbenzene	105	8.233	8.231	(1.110)	828961	100.000	100
	69 trans-1,4-Dichloro-2-butene	53	8.496	8.494	(1.146)	63394	100.000	98.0
	142 n-amyl acetate	70	8.341	8.339	(1.125)	456	500.000	253(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
$ 70 4-Bromofluorobenzene	95	8.341	8.339	(1.125)	102272	50.0000	49.2
71 Bromobenzene	77	8.444	8.443	(1.139)	276641	100.000	94.3
72 1,1,2,2-Tetrachloroethane	83	8.455	8.453	(0.924)	233606	100.000	102
73 1,2,3-Trichloropropane	75	8.481	8.479	(0.927)	253109	100.000	107
74 n-Propylbenzene	91	8.532	8.531	(0.933)	858202	100.000	94.1
75 2-Chlorotoluene	91	8.589	8.587	(0.939)	504200	100.000	92.1
77 1,3,5-Trimethylbenzene	105	8.661	8.655	(0.947)	589899	100.000	97.4
76 4-Chlorotoluene	126	8.589	8.587	(0.939)	217088	100.000	95.4
78 tert-Butylbenzene	119	8.884	8.882	(0.971)	733861	100.000	94.8
79 1,2,4-Trimethylbenzene	105	8.915	8.913	(0.975)	578523	100.000	95.8
80 sec-Butylbenzene	105	9.034	9.027	(0.988)	819016	100.000	94.6
81 1,3-Dichlorobenzene	146	9.106	9.099	(0.995)	426440	100.000	93.5
83 p-Isopropyltoluene	119	9.127	9.125	(0.998)	685703	100.000	95.3
* 82 1,4-Dichlorobenzene-d4	152	9.147	9.146	(1.000)	130646	50.0000	
84 1,4-Dichlorobenzene	146	9.163	9.161	(1.002)	432840	100.000	94.0
86 n-Butylbenzene	91	9.395	9.394	(1.027)	518144	100.000	96.8
85 1,2-Dichlorobenzene	146	9.406	9.404	(1.028)	396969	100.000	94.5
87 1,2-Dibromo-3-chloropropane	155	9.902	9.900	(1.082)	53771	100.000	95.5
88 1,2,4-Trichlorobenzene	180	10.408	10.407	(1.138)	250516	100.000	91.9
89 Hexachlorobutadiene	225	10.507	10.505	(1.149)	84094	100.000	88.1
90 Naphthalene	128	10.558	10.557	(1.154)	679007	100.000	96.4
91 1,2,3-Trichlorobenzene	180	10.408	10.407	(1.138)	250516	100.000	91.9
92 2,methyl-naphthalene	142	11.241	11.239	(1.229)	258290	100.000	87.6

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A06CAL6.D
Lab Smp Id: 100ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 100ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	299017	-4.02
59 Chlorobenzene-d5	282684	141342	565368	268377	-5.06
82 1,4-Dichlorobenze	140868	70434	281736	130646	-7.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.19	0.04
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.02
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	91.7	
74-87-3	Chloromethane	89.3	
75-01-4	Vinyl Chloride	95.6	
74-83-9	Bromomethane	84.5	
75-00-3	Chloroethane	87.1	
75-69-4	Trichlorofluoromethane	97.8	
354-23-4	1,2-dichlorotrifluoroethane	96.9	
60-29-7	Diethyl ether	95.8	
75-65-0	tert-Butyl Alcohol	221	
107-02-8	Acrolein	1890	
76-13-1	1,1,2trichlorotrifluoroethan	101	
75-35-4	1,1-Dichloroethene	99.8	
67-64-1	Acetone	534	
	Iodomethane	186	
75-15-0	Carbon Disulfide	192	
107-05-1	allyl chloride	195	
75-05-8	Acetonitrile	2040	
79-20-9	Methyl Acetate	101	
75-09-2	Methylene Chloride	94.5	
107-13-1	Acrylonitrile	2220	
1634-04-4	Methyl-tert-butyl ether	190	
156-60-5	1,2-Dichloroethene (trans)	96.1	
	n-Hexane	95.4	
75-34-3	1,1-Dichloroethane	98.8	
108-05-4	Vinyl Acetate	367	
141-78-6	Ethyl acetate	941	
126-99-8	Chloroprene	94.3	
594-20-7	2,2-Dichloropropane	104	
156-59-2	1,2-Dichloroethene (cis)	101	
78-93-3	2-Butanone	526	
107-12-0	Propionitrile	95.6	
74-97-5	Bromochloromethane	106	
126-98-7	Methacrylonitrile	513	
67-66-3	Chloroform	103	
71-55-6	1,1,1-Trichloroethane	93.5	
	Tetrahydrofuran	107	
110-82-7	cyclohexane	93.1	
78-83-1	Isobutyl alcohol	109	
56-23-5	Carbon Tetrachloride	93.4	
563-58-6	1,1-Dichloropropene	94.2	
71-43-2	Benzene	96.0	
108-21-4	isopropyl acetate	496	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	96.7	
79-01-6	Trichloroethene	94.2	
108-87-2	Methylcyclohexane	94.8	
78-87-5	1,2-Dichloropropane	95.3	
74-95-3	Dibromomethane	96.1	
80-62-6	Methyl methacrylate	99.5	
540-84-1	2,2,4-Trimethylpentane	93.4	
	1,4-Dioxane	2510	
75-27-4	Bromodichloromethane	94.6	
110-75-8	2-Chloroethyl vinyl ether	96.7	
10061-01-5	cis-1,3-Dichloropropene	99.8	
108-10-1	4-Methyl-2-Pentanone	501	
108-88-3	Toluene	95.0	
10061-02-6	trans-1,3-Dichloropropene	103	
	Ethyl Methacrylate	96.7	
79-00-5	1,1,2-Trichloroethane	96.2	
127-18-4	Tetrachloroethene	117	
142-28-9	1,3-Dichloropropane	98.1	
591-78-6	2-Hexanone	553	
124-48-1	Dibromochloromethane	94.0	
106-93-4	1,2-Dibromoethane	101	
108-90-7	Chlorobenzene	92.8	
630-20-6	1,1,1,2-Tetrachloroethane	95.2	
100-41-4	Ethylbenzene	99.6	
7816-60-0	m&p-Xylene	188	
95-47-6	o-Xylene	96.6	
100-42-5	Styrene	93.0	
75-25-2	Bromoform	90.0	
98-82-8	Isopropylbenzene	100	
	trans-1,4-Dichloro-2-butene	98.0	
628-63-7	n-amyl acetate	253	
108-86-1	Bromobenzene	94.3	
79-34-5	1,1,2,2-Tetrachloroethane	102	
96-18-4	1,2,3-Trichloropropane	107	
103-65-1	n-Propylbenzene	94.1	
95-49-8	2-Chlorotoluene	92.1	
108-67-8	1,3,5-Trimethylbenzene	97.4	
106-43-4	4-Chlorotoluene	95.4	
98-06-6	tert-Butylbenzene	94.8	
95-63-6	1,2,4-Trimethylbenzene	95.8	
135-98-8	sec-Butylbenzene	94.6	
541-73-1	1,3-Dichlorobenzene	93.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

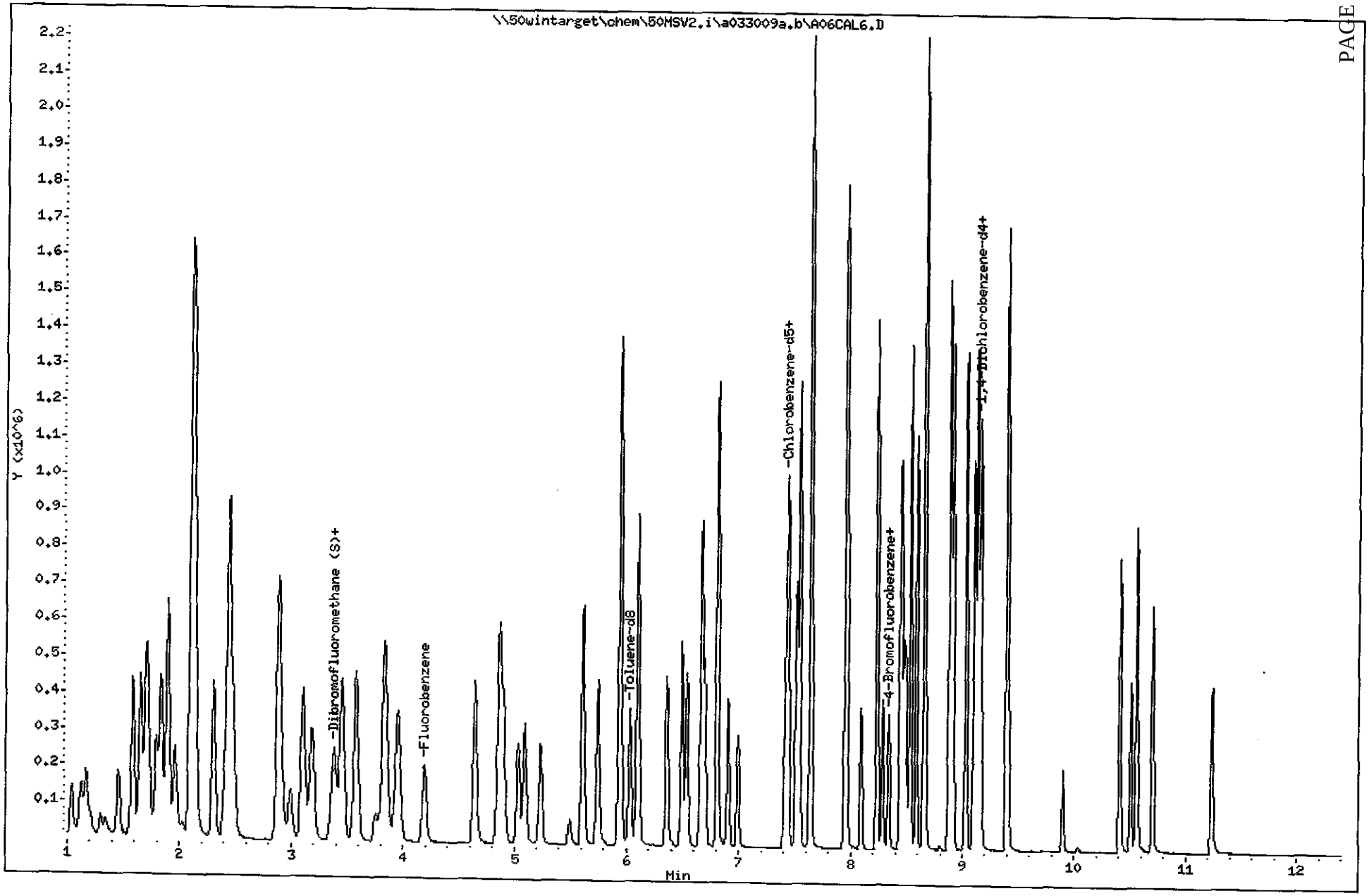
Client SDG: a033009a.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	95.3	
106-46-7	1,4-Dichlorobenzene	94.0	
104-51-8	n-Butylbenzene	96.8	
95-50-1	1,2-Dichlorobenzene	94.5	
96-12-8	1,2-Dibromo-3-chloropropane	95.5	
120-82-1	1,2,4-Trichlorobenzene	91.9	
87-68-3	Hexachlorobutadiene	88.1	
91-20-3	Naphthalene	96.4	
87-61-6	1,2,3-Trichlorobenzene	91.9	
	2,methyl-naphthalene	87.6	
1868-53-7	Dibromofluoromethane (S)	50.0	
2037-26-5	Toluene-d8	48.6	
460-00-4	4-Bromofluorobenzene	49.2	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A06CAL6.D
Date : 30-MAR-2009 21:19
Client ID: 100ppb
Sample Info: 100ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i

Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A07CAL7.D
Lab Smp Id: 200ppb Client Smp ID: 200ppb
Inj Date : 30-MAR-2009 21:53
Operator : amv Inst ID: 50MSV2.i
Smp Info : 200ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 15 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.022	1.036	(0.245)	426495	200.000	181
2 Chloromethane	50	1.105	1.119	(0.265)	602610	200.000	192
3 Vinyl Chloride	62	1.146	1.166	(0.275)	459985	200.000	200
4 Bromomethane	94	1.275	1.300	(0.306)	90431	200.000	184
5 Chloroethane	64	1.317	1.346	(0.315)	113242	200.000	118 (M)
6 Trichlorofluoromethane	101	1.425	1.460	(0.341)	296906	200.000	187
28 1,2-dichlorotrifluoroethane	67	1.554	1.579	(0.372)	313894	200.000	203
7 Diethyl ether	74	1.565	1.589	(0.375)	139970	200.000	206
17 tert-Butyl Alcohol	59	1.565	1.584	(0.375)	224994	400.000	422
8 Acrolein	56	1.632	1.651	(0.391)	1085914	4000.00	4060
10 1,1,2trichlorotrifluoroethane	101	1.673	1.698	(0.401)	239661	200.000	196
9 1,1-Dichloroethene	96	1.678	1.708	(0.402)	234414	200.000	196
11 Acetone	43	1.715	1.724	(0.411)	441008	1000.00	958
12 Iodomethane	142	1.772	1.796	(0.424)	910216	400.000	440
13 Carbon Disulfide	76	1.808	1.832	(0.433)	1650876	400.000	376
14 allyl chloride	41	1.870	1.889	(0.448)	998491	400.000	379 (M)
145 Acetonitrile	41	1.136	1.145	(0.272)	2788	4000.00	3280 (Q)
138 Methyl Acetate	43	1.885	1.899	(0.452)	274907	200.000	175
15 Methylene Chloride	84	1.942	1.961	(0.465)	275519	200.000	189
16 Acrylonitrile	53	2.092	2.101	(0.501)	2554110	4000.00	3930
19 Methyl-tert-butyl ether	73	2.118	2.132	(0.507)	1299175	400.000	355
18 1,2-Dichloroethene (trans)	96	2.107	2.127	(0.505)	278259	200.000	187
20 n-Hexane	57	2.283	2.308	(0.547)	496977	200.000	191

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	21 1,1-Dichloroethane	63	2.392	2.411	(0.573)	595814	200.000	198
	23 Vinyl Acetate	43	2.428	2.442	(0.582)	3253924	800.000	728
	140 Ethyl acetate	88	2.464	2.483	(0.590)	301518	2000.00	1830
	147 Chloroprene	53	2.464	2.483	(0.590)	497741	200.000	186
	24 2,2-Dichloropropane	77	2.862	2.881	(0.686)	357507	200.000	206
	25 1,2-Dichloroethene (cis)	96	2.862	2.881	(0.686)	382377	200.000	201
	26 2-Butanone	43	2.888	2.897	(0.692)	960495	1000.00	956
	27 Propionitrile	54	2.945	2.949	(0.705)	70385	200.000	214(Q)
	29 Bromochloromethane	49	3.084	3.104	(0.739)	381706	200.000	213
	146 Methacrylonitrile	41	3.084	3.093	(0.739)	360123	1000.00	953
	31 Chloroform	83	3.172	3.186	(0.760)	492788	200.000	206
$	32 Dibromofluoromethane (S)	113	3.338	3.362	(0.799)	72771	50.0000	48.6
	33 1,1,1-Trichloroethane	97	3.369	3.383	(0.807)	392180	200.000	186
	30 Tetrahydrofuran	42	3.157	3.166	(0.756)	167190	200.000	187
	34 cyclohexane	56	3.431	3.450	(0.822)	646069	200.000	184
	37 Isobutyl alcohol	43	3.157	3.166	(0.756)	36833	200.000	193(Q)
	35 Carbon Tetrachloride	117	3.555	3.579	(0.851)	343195	200.000	187
	36 1,1-Dichloropropene	75	3.560	3.579	(0.853)	393356	200.000	186
	38 Benzene	78	3.808	3.827	(0.912)	1261351	200.000	191
	141 isopropyl acetate	61	3.834	3.845	(0.918)	46718	1000.00	880(M)
	39 1,2-Dichloroethane	62	3.839	3.853	(0.920)	324641	200.000	190
*	40 Fluorobenzene	96	4.175	4.189	(1.000)	289396	50.0000	
	41 Trichloroethene	95	4.630	4.644	(1.109)	334688	200.000	186
	139 Methylcyclohexane	55	4.852	4.856	(1.162)	494869	200.000	187
	42 1,2-Dichloropropane	63	4.893	4.892	(1.172)	352349	200.000	187
	43 Dibromomethane	93	5.022	5.032	(1.203)	214274	200.000	188
	44 Methyl methacrylate	69	5.085	5.088	(1.218)	279684	200.000	191
	143 2,2,4-Trimethylpentane	57	3.937	3.951	(0.943)	1098463	200.000	187
	144 1,4-Dioxane	88	5.100	5.083	(1.222)	4143	4000.00	5170(QM)
	45 Bromodichloromethane	83	5.224	5.228	(1.251)	407419	200.000	188
	46 2-Chloroethyl vinyl ether	63	5.601	5.605	(0.755)	576197	200.000	189
	47 cis-1,3-Dichloropropene	75	5.736	5.740	(0.773)	520328	200.000	202
	48 4-Methyl-2-Pentanone	43	5.942	5.936	(0.801)	1919879	1000.00	926
$	49 Toluene-d8	98	6.025	6.024	(0.813)	245983	50.0000	48.9
	50 Toluene	91	6.092	6.096	(0.822)	1299913	200.000	188
	51 trans-1,3-Dichloropropene	75	6.356	6.355	(0.857)	456063	200.000	210
	52 Ethyl Methacrylate	69	6.490	6.489	(0.875)	507142	200.000	186
	53 1,1,2-Trichloroethane	83	6.537	6.536	(0.882)	247256	200.000	186
	54 Tetrachloroethene	166	6.661	6.665	(0.898)	491773	200.000	182
	55 1,3-Dichloropropane	76	6.697	6.696	(0.903)	513586	200.000	196
	56 2-Hexanone	43	6.816	6.804	(0.919)	1390875	1000.00	1020
	57 Dibromochloromethane	129	6.904	6.903	(0.931)	398326	200.000	187
	58 1,2-Dibromoethane	107	6.992	6.990	(0.943)	373798	200.000	200
*	59 Chlorobenzene-d5	117	7.416	7.414	(1.000)	255226	50.0000	
	60 Chlorobenzene	112	7.436	7.435	(1.003)	997564	200.000	184
	61 1,1,1,2-Tetrachloroethane	131	7.514	7.512	(1.013)	375956	200.000	188
	62 Ethylbenzene	106	7.545	7.538	(1.017)	500701	200.000	196
	63 m&p-Xylene	106	7.643	7.636	(1.031)	1207901	400.000	355
	65 o-Xylene	106	7.953	7.947	(1.072)	629307	200.000	186
	66 Styrene	104	7.963	7.962	(1.074)	1000277	200.000	176
	67 Bromoform	173	8.093	8.091	(0.884)	307100	200.000	186
	68 Isopropylbenzene	105	8.237	8.231	(1.111)	1494899	200.000	190
	69 trans-1,4-Dichloro-2-butene	53	8.501	8.494	(1.146)	123267	200.000	198
	142 n-amyl acetate	70	8.460	8.339	(1.141)	1366	1000.00	965(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
$ 70 4-Bromofluorobenzene	95	8.346	8.339	(1.125)	99115	50.0000	50.1
71 Bromobenzene	77	8.444	8.443	(1.139)	528060	200.000	188
72 1,1,2,2-Tetrachloroethane	83	8.460	8.453	(0.924)	416127	200.000	200
73 1,2,3-Trichloropropane	75	8.485	8.479	(0.927)	458066	200.000	215
74 n-Propylbenzene	91	8.537	8.531	(0.933)	1571716	200.000	188
75 2-Chlorotoluene	91	8.594	8.587	(0.939)	941928	200.000	187
77 1,3,5-Trimethylbenzene	105	8.661	8.655	(0.946)	1042940	200.000	190
76 4-Chlorotoluene	126	8.594	8.587	(0.939)	409372	200.000	199
78 tert-Butylbenzene	119	8.883	8.882	(0.971)	1369457	200.000	194
79 1,2,4-Trimethylbenzene	105	8.920	8.913	(0.975)	1037499	200.000	188
80 sec-Butylbenzene	105	9.033	9.027	(0.987)	1489890	200.000	188
81 1,3-Dichlorobenzene	146	9.106	9.099	(0.995)	779037	200.000	186
83 p-Isopropyltoluene	119	9.131	9.125	(0.998)	1244243	200.000	190
* 82 1,4-Dichlorobenzene-d4	152	9.152	9.146	(1.000)	118145	50.0000	(Q)
84 1,4-Dichlorobenzene	146	9.168	9.161	(1.002)	788702	200.000	186
86 n-Butylbenzene	91	9.395	9.394	(1.027)	932357	200.000	191
85 1,2-Dichlorobenzene	146	9.411	9.404	(1.028)	718895	200.000	187
87 1,2-Dibromo-3-chloropropane	155	9.902	9.900	(1.082)	99297	200.000	186
88 1,2,4-Trichlorobenzene	180	10.408	10.407	(1.137)	463422	200.000	182
89 Hexachlorobutadiene	225	10.511	10.505	(1.149)	162986	200.000	183
90 Naphthalene	128	10.563	10.557	(1.154)	1203456	200.000	185
91 1,2,3-Trichlorobenzene	180	10.408	10.407	(1.137)	463422	200.000	182
92 2,methyl-naphthalene	142	11.240	11.239	(1.228)	503393	200.000	166

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A07CAL7.D
Lab Smp Id: 200ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 200ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	289396	-7.11
59 Chlorobenzene-d5	282684	141342	565368	255226	-9.71
82 1,4-Dichlorobenze	140868	70434	281736	118145	-16.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.18	-0.34
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.02
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	181	
74-87-3	Chloromethane	192	
75-01-4	Vinyl Chloride	200	
74-83-9	Bromomethane	184	
75-00-3	Chloroethane	118	
75-69-4	Trichlorofluoromethane	187	
354-23-4	1,2-dichlorotrifluoroethane	203	
60-29-7	Diethyl ether	206	
75-65-0	tert-Butyl Alcohol	422	
107-02-8	Acrolein	4060	
76-13-1	1,1,2trichlorotrifluoroethan	196	
75-35-4	1,1-Dichloroethene	196	
67-64-1	Acetone	958	
	Iodomethane	440	
75-15-0	Carbon Disulfide	376	
107-05-1	allyl chloride	379	
75-05-8	Acetonitrile	3280	
79-20-9	Methyl Acetate	175	
75-09-2	Methylene Chloride	189	
107-13-1	Acrylonitrile	3930	
1634-04-4	Methyl-tert-butyl ether	355	
156-60-5	1,2-Dichloroethene (trans)	187	
	n-Hexane	191	
75-34-3	1,1-Dichloroethane	198	
108-05-4	Vinyl Acetate	728	
141-78-6	Ethyl acetate	1830	
126-99-8	Chloroprene	186	
594-20-7	2,2-Dichloropropane	206	
156-59-2	1,2-Dichloroethene (cis)	201	
78-93-3	2-Butanone	956	
107-12-0	Propionitrile	214	
74-97-5	Bromochloromethane	213	
126-98-7	Methacrylonitrile	953	
67-66-3	Chloroform	206	
71-55-6	1,1,1-Trichloroethane	186	
	Tetrahydrofuran	187	
110-82-7	cyclohexane	184	
78-83-1	Isobutyl alcohol	193	
56-23-5	Carbon Tetrachloride	187	
563-58-6	1,1-Dichloropropene	186	
71-43-2	Benzene	191	
108-21-4	isopropyl acetate	880	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	190	
79-01-6	Trichloroethene	186	
108-87-2	Methylcyclohexane	187	
78-87-5	1,2-Dichloropropane	187	
74-95-3	Dibromomethane	188	
80-62-6	Methyl methacrylate	191	
540-84-1	2,2,4-Trimethylpentane	187	
	1,4-Dioxane	5170	
75-27-4	Bromodichloromethane	188	
110-75-8	2-Chloroethyl vinyl ether	189	
10061-01-5	cis-1,3-Dichloropropene	202	
108-10-1	4-Methyl-2-Pentanone	926	
108-88-3	Toluene	188	
10061-02-6	trans-1,3-Dichloropropene	210	
	Ethyl Methacrylate	186	
79-00-5	1,1,2-Trichloroethane	186	
127-18-4	Tetrachloroethene	182	
142-28-9	1,3-Dichloropropane	196	
591-78-6	2-Hexanone	1020	
124-48-1	Dibromochloromethane	187	
106-93-4	1,2-Dibromoethane	200	
108-90-7	Chlorobenzene	184	
630-20-6	1,1,1,2-Tetrachloroethane	188	
100-41-4	Ethylbenzene	196	
7816-60-0	m&p-Xylene	355	
95-47-6	o-Xylene	186	
100-42-5	Styrene	176	
75-25-2	Bromoform	186	
98-82-8	Isopropylbenzene	190	
	trans-1,4-Dichloro-2-butene	198	
628-63-7	n-amyl acetate	965	
108-86-1	Bromobenzene	188	
79-34-5	1,1,2,2-Tetrachloroethane	200	
96-18-4	1,2,3-Trichloropropane	215	
103-65-1	n-Propylbenzene	188	
95-49-8	2-Chlorotoluene	187	
108-67-8	1,3,5-Trimethylbenzene	190	
106-43-4	4-Chlorotoluene	199	
98-06-6	tert-Butylbenzene	194	
95-63-6	1,2,4-Trimethylbenzene	188	
135-98-8	sec-Butylbenzene	188	
541-73-1	1,3-Dichlorobenzene	186	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

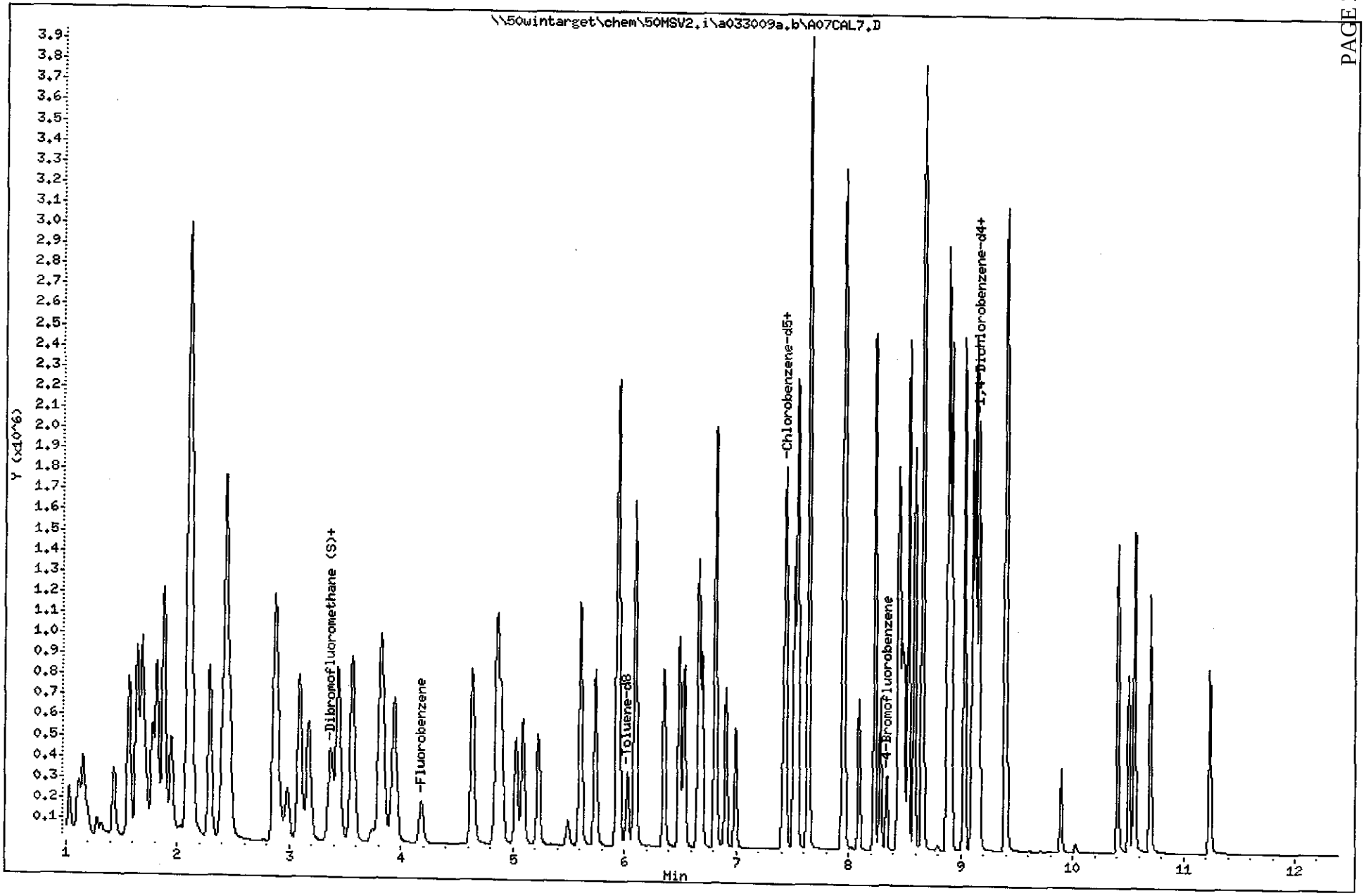
Client SDG: a033009a.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	190	
106-46-7	1,4-Dichlorobenzene	186	
104-51-8	n-Butylbenzene	191	
95-50-1	1,2-Dichlorobenzene	187	
96-12-8	1,2-Dibromo-3-chloropropane	186	
120-82-1	1,2,4-Trichlorobenzene	182	
87-68-3	Hexachlorobutadiene	183	
91-20-3	Naphthalene	185	
87-61-6	1,2,3-Trichlorobenzene	182	
	2,methyl-naphthalene	166	
1868-53-7	Dibromofluoromethane (S)	48.6	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	50.1	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A07CAL7.D
Date : 30-MAR-2009 21:53
Client ID: 200ppb
Sample Info: 200ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i

Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\A08CAL8.D
Lab Smp Id: 300ppb Client Smp ID: 300ppb
Inj Date : 30-MAR-2009 22:26
Operator : amv Inst ID: 50MSV2.i
Smp Info : 300ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez Quant Type: ISTD
Cal Date : 20-MAR-2009 16:29 Cal File: A08CAL8.D
Als bottle: 17 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.028	1.036	(0.246)	696167	300.000	314
2 Chloromethane	50	1.111	1.119	(0.265)	935539	300.000	322
3 Vinyl Chloride	62	1.157	1.166	(0.277)	685985	300.000	322
4 Bromomethane	94	1.281	1.300	(0.306)	126422	300.000	387
5 Chloroethane	64	1.317	1.346	(0.315)	145099	300.000	163(M)
6 Trichlorofluoromethane	101	1.426	1.460	(0.341)	337392	300.000	229
28 1,2-dichlorotrifluoroethane	67	1.555	1.579	(0.372)	407626	300.000	299
7 Diethyl ether	74	1.571	1.589	(0.375)	175240	300.000	297
17 tert-Butyl Alcohol	59	1.571	1.584	(0.375)	281885	600.000	572
8 Acrolein	56	1.638	1.651	(0.391)	1103370	6000.00	4440
10 1,1,2trichlorotrifluoroethane	101	1.674	1.698	(0.400)	341823	300.000	302
9 1,1-Dichloroethene	96	1.684	1.708	(0.402)	335012	300.000	302
11 Acetone	43	1.720	1.724	(0.411)	635875	1500.00	1510
12 Iodomethane	142	1.777	1.796	(0.425)	1052657	600.000	577
13 Carbon Disulfide	76	1.813	1.832	(0.433)	2523363	600.000	617
14 allyl chloride	41	1.870	1.889	(0.447)	1497685	600.000	613(M)
145 Acetonitrile	41	1.147	1.145	(0.274)	6242	6000.00	6270(Q)
138 Methyl Acetate	43	1.891	1.899	(0.452)	457547	300.000	312
15 Methylene Chloride	84	1.948	1.961	(0.465)	418011	300.000	308
16 Acrylonitrile	53	2.103	2.101	(0.502)	3561280	6000.00	5940
19 Methyl-tert-butyl ether	73	2.124	2.132	(0.507)	1880504	600.000	553
18 1,2-Dichloroethene (trans)	96	2.108	2.127	(0.504)	426933	300.000	308
20 n-Hexane	57	2.284	2.308	(0.546)	746250	300.000	307

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	21 1,1-Dichloroethane	63	2.398	2.411	(0.573)	932691	300.000	334
	23 Vinyl Acetate	43	2.434	2.442	(0.581)	4240363	1200.00	1020
	140 Ethyl acetate	88	2.470	2.483	(0.590)	479496	3000.00	3110(Q)
	147 Chloroprene	53	2.470	2.483	(0.590)	773802	300.000	310
	24 2,2-Dichloropropane	77	2.868	2.881	(0.685)	472045	300.000	294
	25 1,2-Dichloroethene (cis)	96	2.868	2.881	(0.685)	586398	300.000	332
	26 2-Butanone	43	2.899	2.897	(0.693)	1458444	1500.00	1560
	27 Propionitrile	54	2.951	2.949	(0.705)	108049	300.000	354
	29 Bromochloromethane	49	3.095	3.104	(0.739)	594397	300.000	358
	146 Methacrylonitrile	41	3.095	3.093	(0.739)	523685	1500.00	1520
	31 Chloroform	83	3.178	3.186	(0.759)	765502	300.000	344
$	32 Dibromofluoromethane (S)	113	3.349	3.362	(0.800)	65458	50.0000	47.0
	33 1,1,1-Trichloroethane	97	3.374	3.383	(0.806)	612638	300.000	310
	30 Tetrahydrofuran	42	3.168	3.166	(0.757)	229546	300.000	304
	34 cyclohexane	56	3.436	3.450	(0.821)	1024900	300.000	311
	37 Isobutyl alcohol	43	3.168	3.166	(0.757)	48914	300.000	300(Q)
	35 Carbon Tetrachloride	117	3.566	3.579	(0.852)	531481	300.000	309
	36 1,1-Dichloropropene	75	3.566	3.579	(0.852)	610988	300.000	310
	38 Benzene	78	3.819	3.827	(0.912)	1956320	300.000	319
	141 isopropyl acetate	61	3.845	3.845	(0.919)	78464	1500.00	1560(M)
	39 1,2-Dichloroethane	62	3.845	3.853	(0.919)	489308	300.000	307
*	40 Fluorobenzene	96	4.186	4.189	(1.000)	269008	50.0000	
	41 Trichloroethene	95	4.635	4.644	(1.107)	521273	300.000	310
	139 Methylcyclohexane	55	4.858	4.856	(1.160)	764143	300.000	309
	42 1,2-Dichloropropane	63	4.899	4.892	(1.170)	544865	300.000	309
	43 Dibromomethane	93	5.028	5.032	(1.201)	329135	300.000	308
	44 Methyl methacrylate	69	5.095	5.088	(1.217)	418981	300.000	306
	143 2,2,4-Trimethylpentane	57	3.943	3.951	(0.942)	1699819	300.000	310
	144 1,4-Dioxane	88	5.028	5.083	(1.201)	2153	6000.00	3540(Q)
	45 Bromodichloromethane	83	5.230	5.228	(1.249)	625761	300.000	309
	46 2-Chloroethyl vinyl ether	63	5.612	5.605	(0.756)	848374	300.000	307
	47 cis-1,3-Dichloropropene	75	5.747	5.740	(0.774)	774729	300.000	333
	48 4-Methyl-2-Pentanone	43	5.953	5.936	(0.802)	2798453	1500.00	1500
$	49 Toluene-d8	98	6.031	6.024	(0.813)	224462	50.0000	49.4
	50 Toluene	91	6.103	6.096	(0.822)	1936978	300.000	310
	51 trans-1,3-Dichloropropene	75	6.362	6.355	(0.857)	674330	300.000	344
	52 Ethyl Methacrylate	69	6.501	6.489	(0.876)	762814	300.000	309
	53 1,1,2-Trichloroethane	83	6.543	6.536	(0.882)	372767	300.000	309
	54 Tetrachloroethene	166	6.672	6.665	(0.899)	945224	300.000	302
	55 1,3-Dichloropropane	76	6.703	6.696	(0.903)	768650	300.000	324
	56 2-Hexanone	43	6.822	6.804	(0.919)	2011847	1500.00	1640
	57 Dibromochloromethane	129	6.915	6.903	(0.932)	599204	300.000	310
	58 1,2-Dibromoethane	107	6.997	6.990	(0.943)	553390	300.000	328
*	59 Chlorobenzene-d5	117	7.421	7.414	(1.000)	230462	50.0000	
	60 Chlorobenzene	112	7.442	7.435	(1.003)	1474421	300.000	300
	61 1,1,1,2-Tetrachloroethane	131	7.519	7.512	(1.013)	562048	300.000	309
	62 Ethylbenzene	106	7.551	7.538	(1.017)	750847	300.000	325
	63 m&p-Xylene	106	7.649	7.636	(1.031)	1751496	600.000	570
	65 o-Xylene	106	7.954	7.947	(1.072)	918684	300.000	300
	66 Styrene	104	7.969	7.962	(1.074)	1443449	300.000	281
	67 Bromoform	173	8.098	8.091	(0.885)	456756	300.000	312
	68 Isopropylbenzene	105	8.238	8.231	(1.110)	2162141	300.000	305
	69 trans-1,4-Dichloro-2-butene	53	8.507	8.494	(1.146)	170971	300.000	302
	142 n-amyl acetate	70	8.465	8.339	(1.141)	1882	1500.00	1510(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
$ 70 4-Bromofluorobenzene	95	8.346	8.339	(1.125)	87686	50.0000	49.1
71 Bromobenzene	77	8.450	8.443	(1.139)	785852	300.000	309
72 1,1,2,2-Tetrachloroethane	83	8.465	8.453	(0.925)	579438	300.000	318
73 1,2,3-Trichloropropane	75	8.491	8.479	(0.928)	651242	300.000	349
74 n-Propylbenzene	91	8.543	8.531	(0.933)	2266527	300.000	309
75 2-Chlorotoluene	91	8.595	8.587	(0.939)	1374520	300.000	310
77 1,3,5-Trimethylbenzene	105	8.667	8.655	(0.947)	1479038	300.000	307
76 4-Chlorotoluene	126	8.600	8.587	(0.940)	610134	300.000	339
78 tert-Butylbenzene	119	8.889	8.882	(0.971)	1883612	300.000	305
79 1,2,4-Trimethylbenzene	105	8.920	8.913	(0.975)	1488044	300.000	308
80 sec-Butylbenzene	105	9.039	9.027	(0.988)	2145109	300.000	309
81 1,3-Dichlorobenzene	146	9.111	9.099	(0.995)	1142937	300.000	310
83 p-Isopropyltoluene	119	9.137	9.125	(0.998)	1771011	300.000	308
* 82 1,4-Dichlorobenzene-d4	152	9.153	9.146	(1.000)	103291	50.0000	(Q)
84 1,4-Dichlorobenzene	146	9.168	9.161	(1.002)	1152084	300.000	310
86 n-Butylbenzene	91	9.401	9.394	(1.027)	1310997	300.000	306
85 1,2-Dichlorobenzene	146	9.411	9.404	(1.028)	1046226	300.000	309
87 1,2-Dibromo-3-chloropropane	155	9.902	9.900	(1.082)	147003	300.000	309
88 1,2,4-Trichlorobenzene	180	10.414	10.407	(1.138)	702294	300.000	312
89 Hexachlorobutadiene	225	10.512	10.505	(1.149)	247128	300.000	313
90 Naphthalene	128	10.564	10.557	(1.154)	1779701	300.000	310
91 1,2,3-Trichlorobenzene	180	10.414	10.407	(1.138)	702881	300.000	313
92 2,methyl-naphthalene	142	11.241	11.239	(1.228)	903419	300.000	320

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A08CAL8.D
Lab Smp Id: 300ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: 300ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	269008	-13.65
59 Chlorobenzene-d5	282684	141342	565368	230462	-18.47
82 1,4-Dichlorobenze	140868	70434	281736	103291	-26.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.19	-0.08
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.10
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	314	
74-87-3	Chloromethane	322	
75-01-4	Vinyl Chloride	322	
74-83-9	Bromomethane	387	
75-00-3	Chloroethane	163	
75-69-4	Trichlorofluoromethane	229	
354-23-4	1,2-dichlorotrifluoroethane	299	
60-29-7	Diethyl ether	297	
75-65-0	tert-Butyl Alcohol	572	
107-02-8	Acrolein	4440	
76-13-1	1,1,2trichlorotrifluoroethan	302	
75-35-4	1,1-Dichloroethene	302	
67-64-1	Acetone	1510	
	Iodomethane	577	
75-15-0	Carbon Disulfide	617	
107-05-1	allyl chloride	613	
75-05-8	Acetonitrile	6270	
79-20-9	Methyl Acetate	312	
75-09-2	Methylene Chloride	308	
107-13-1	Acrylonitrile	5940	
1634-04-4	Methyl-tert-butyl ether	553	
156-60-5	1,2-Dichloroethene (trans)	308	
	n-Hexane	307	
75-34-3	1,1-Dichloroethane	334	
108-05-4	Vinyl Acetate	1020	
141-78-6	Ethyl acetate	3110	
126-99-8	Chloroprene	310	
594-20-7	2,2-Dichloropropane	294	
156-59-2	1,2-Dichloroethene (cis)	332	
78-93-3	2-Butanone	1560	
107-12-0	Propionitrile	354	
74-97-5	Bromochloromethane	358	
126-98-7	Methacrylonitrile	1520	
67-66-3	Chloroform	344	
71-55-6	1,1,1-Trichloroethane	310	
	Tetrahydrofuran	304	
110-82-7	cyclohexane	311	
78-83-1	Isobutyl alcohol	300	
56-23-5	Carbon Tetrachloride	309	
563-58-6	1,1-Dichloropropene	310	
71-43-2	Benzene	319	
108-21-4	isopropyl acetate	1560	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	307	
79-01-6	Trichloroethene	310	
108-87-2	Methylcyclohexane	309	
78-87-5	1,2-Dichloropropane	309	
74-95-3	Dibromomethane	308	
80-62-6	Methyl methacrylate	306	
540-84-1	2,2,4-Trimethylpentane	310	
	1,4-Dioxane	3540	
75-27-4	Bromodichloromethane	309	
110-75-8	2-Chloroethyl vinyl ether	307	
10061-01-5	cis-1,3-Dichloropropene	333	
108-10-1	4-Methyl-2-Pentanone	1500	
108-88-3	Toluene	310	
10061-02-6	trans-1,3-Dichloropropene	344	
	Ethyl Methacrylate	309	
79-00-5	1,1,2-Trichloroethane	309	
127-18-4	Tetrachloroethene	302	
142-28-9	1,3-Dichloropropane	324	
591-78-6	2-Hexanone	1640	
124-48-1	Dibromochloromethane	310	
106-93-4	1,2-Dibromoethane	328	
108-90-7	Chlorobenzene	300	
630-20-6	1,1,1,2-Tetrachloroethane	309	
100-41-4	Ethylbenzene	325	
7816-60-0	m&p-Xylene	570	
95-47-6	o-Xylene	300	
100-42-5	Styrene	281	
75-25-2	Bromoform	312	
98-82-8	Isopropylbenzene	305	
	trans-1,4-Dichloro-2-butene	302	
628-63-7	n-amyl acetate	1510	
108-86-1	Bromobenzene	309	
79-34-5	1,1,2,2-Tetrachloroethane	318	
96-18-4	1,2,3-Trichloropropane	349	
103-65-1	n-Propylbenzene	309	
95-49-8	2-Chlorotoluene	310	
108-67-8	1,3,5-Trimethylbenzene	307	
106-43-4	4-Chlorotoluene	339	
98-06-6	tert-Butylbenzene	305	
95-63-6	1,2,4-Trimethylbenzene	308	
135-98-8	sec-Butylbenzene	309	
541-73-1	1,3-Dichlorobenzene	310	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

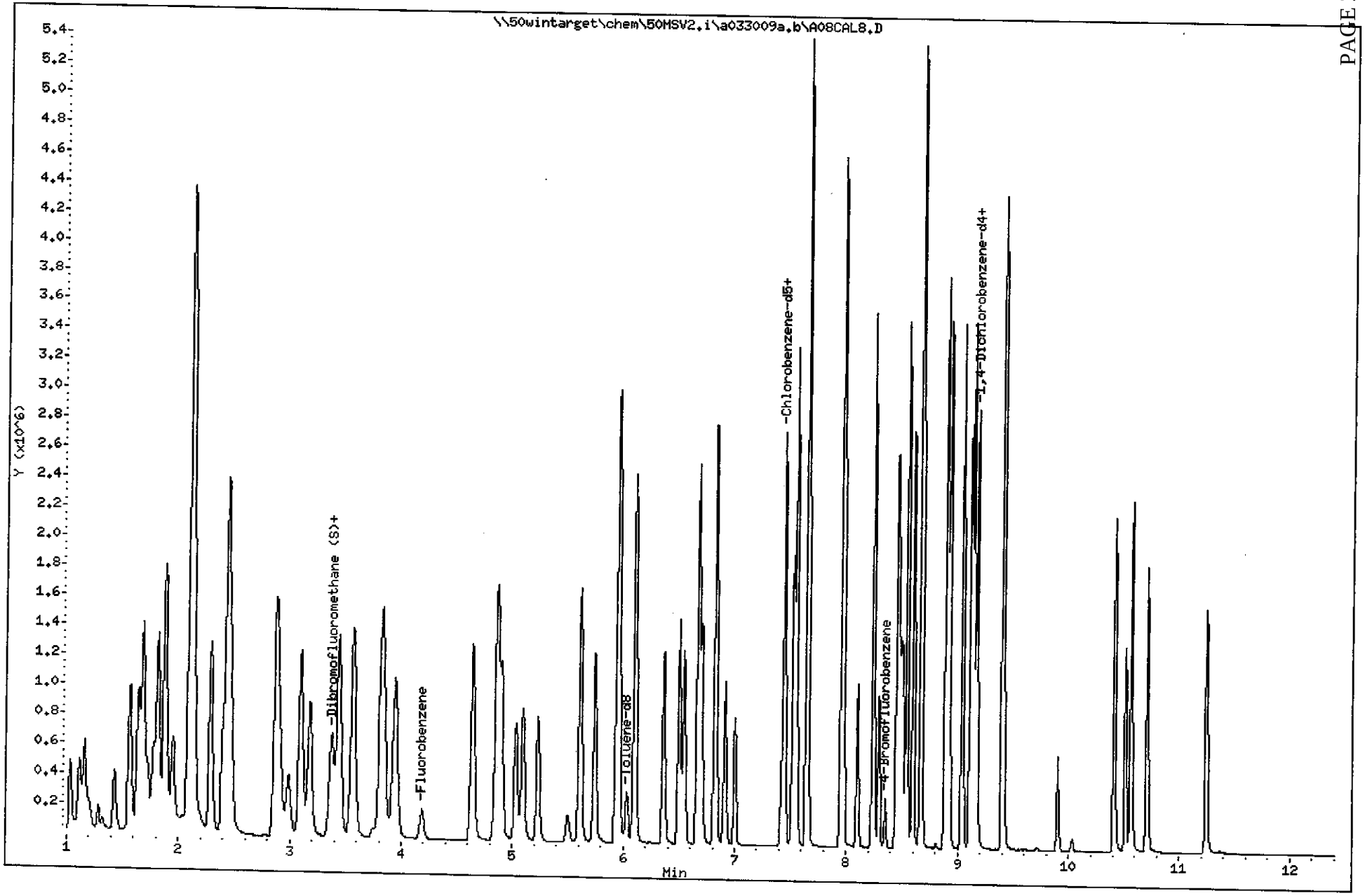
Client SDG: a033009a.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	308	
106-46-7	1,4-Dichlorobenzene	310	
104-51-8	n-Butylbenzene	306	
95-50-1	1,2-Dichlorobenzene	309	
96-12-8	1,2-Dibromo-3-chloropropane	309	
120-82-1	1,2,4-Trichlorobenzene	312	
87-68-3	Hexachlorobutadiene	313	
91-20-3	Naphthalene	310	
87-61-6	1,2,3-Trichlorobenzene	313	
	2,methyl-naphthalene	320	
1868-53-7	Dibromofluoromethane (S)	47.0	
2037-26-5	Toluene-d8	49.4	
460-00-4	4-Bromofluorobenzene	49.1	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\A08CAL8.D
Date : 30-MAR-2009 22:26
Client ID: 300ppb
Sample Info: 300ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i

Operator: amv
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\C00BFB.D

Date : 30-MAR-2009 23:34

Client ID: bfb050

Instrument: 50MSV2.i

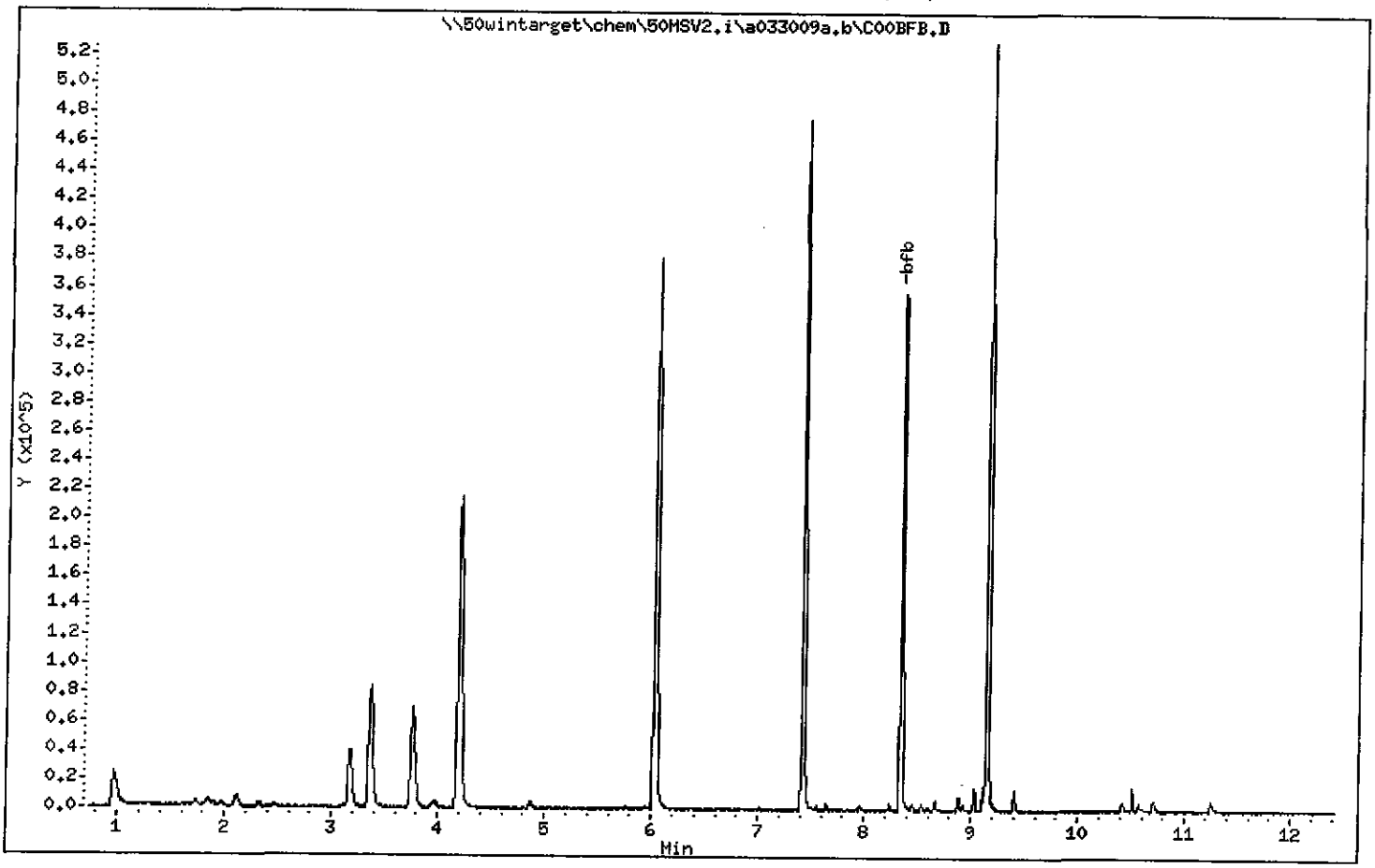
Sample Info: bfb

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\C00BFB.D

Date : 30-MAR-2009 23:34

Client ID: bfb050

Instrument: 50MSV2.i

Sample Info: bfb

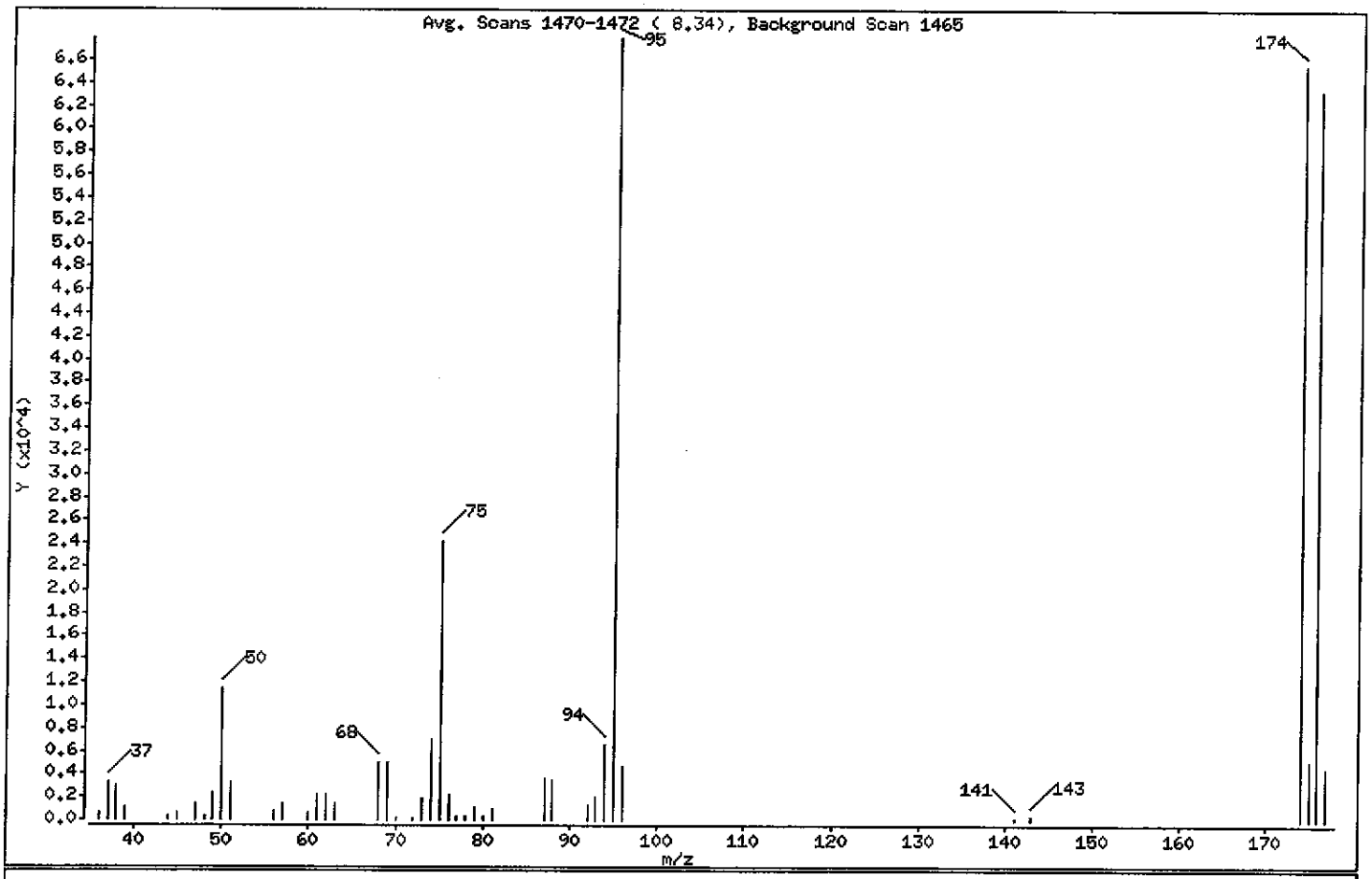
Volume Injected (uL): 5.0

Operator: amv

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	16.85
75	30.00 - 60.00% of mass 95	35.66
96	5.00 - 9.00% of mass 95	6.99
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	96.63
175	5.00 - 9.00% of mass 174	7.69 (7.96)
176	95.00 - 101.00% of mass 174	93.28 (96.54)
177	5.00 - 9.00% of mass 176	6.67 (7.15)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\C00BFB.D

Date : 30-MAR-2009 23:34

Client ID: bfb050

Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18

Data File: C00BFB.D

Spectrum: Avg. Scans 1470-1472 (8.34), Background Scan 1465

Location of Maximum: 95.00

Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	666	56.00	705	74.00	7018	93.00	2029
37.00	3246	57.00	1459	75.00	24208	94.00	6582
38.00	2983	60.00	571	76.00	2248	95.00	67880
39.00	1165	61.00	2210	77.00	375	96.00	4743
44.00	283	62.00	2142	78.00	260	141.00	174
45.00	592	63.00	1367	79.00	1121	143.00	256
47.00	1396	68.00	5037	80.00	258	174.00	65592
48.00	267	69.00	4933	81.00	973	175.00	5222
49.00	2269	70.00	160	87.00	3636	176.00	63320
50.00	11436	72.00	132	88.00	3510	177.00	4527
51.00	3295	73.00	1908	92.00	1274		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a033009a.b\C02ICV.D
Lab Smp Id: icv
Client Smp ID: icv
Inj Date : 31-MAR-2009 00:42
Operator : amv
Inst ID: 50MSV2.i
Smp Info : icv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Meth Date : 31-Mar-2009 08:41 avasquez
Quant Type: ISTD
Cal Date : 30-MAR-2009 22:26
Cal File: A08CAL8.D
Als bottle: 47
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	1.041	1.036	(0.248)	112259	51.9858	52.0
2 Chloromethane	50	1.118	1.119	(0.266)	176612	57.3533	57.4
3 Vinyl Chloride	62	1.165	1.166	(0.277)	139149	61.6495	61.6
4 Bromomethane	94	1.304	1.300	(0.311)	53414	76.2420	76.2(R)
5 Chloroethane	64	1.351	1.346	(0.322)	54056	56.4390	56.4
6 Trichlorofluoromethane	101	1.464	1.460	(0.349)	98261	62.0800	62.1
28 1,2-dichlorotrifluoroethane	67	1.583	1.579	(0.377)	107542	64.4929	64.5
7 Diethyl ether	74	1.594	1.589	(0.380)	45838	59.4675	59.5
17 tert-Butyl Alcohol	59	1.594	1.584	(0.380)	74695	135.592	136
8 Acrolein	56	1.656	1.651	(0.394)	28860	128.156	128(R)
10 1,1,2trichlorotrifluoroethane	101	1.707	1.698	(0.407)	76303	62.8346	62.8
9 1,1-Dichloroethene	96	1.712	1.708	(0.408)	74220	62.3552	62.4
11 Acetone	43	1.728	1.724	(0.412)	152004	320.909	321
12 Iodomethane	142	1.800	1.796	(0.429)	265453	113.758	114
13 Carbon Disulfide	76	1.842	1.832	(0.439)	484599	113.723	114
14 allyl chloride	41	1.899	1.889	(0.452)	304343	116.736	117
138 Methyl Acetate	43	1.904	1.899	(0.453)	143702	93.6711	93.7(R)
15 Methylene Chloride	84	1.966	1.961	(0.468)	78477	55.4613	55.5
16 Acrylonitrile	53	2.105	2.101	(0.501)	824328	1236.51	1240
19 Methyl-tert-butyl ether	73	2.136	2.132	(0.509)	381173	106.005	106
18 1,2-Dichloroethene (trans)	96	2.136	2.127	(0.509)	88888	61.4540	61.4
20 n-Hexane	57	2.312	2.308	(0.551)	144462	57.6532	57.6
21 1,1-Dichloroethane	63	2.415	2.411	(0.575)	165653	56.0215	56.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.446	2.442	(0.583)	690991	157.220	157
	140 Ethyl acetate	88	2.488	2.483	(0.593)	64719	430.753	431(Q)
	147 Chloroprene	53	2.488	2.483	(0.593)	105503	42.1015	42.1
	24 2,2-Dichloropropane	77	2.891	2.881	(0.689)	79785	45.0030	45.0
	25 1,2-Dichloroethene (cis)	96	2.886	2.881	(0.687)	108884	58.1848	58.2
	26 2-Butanone	43	2.901	2.897	(0.691)	291359	294.760	295
	27 Propionitrile	54	2.948	2.949	(0.702)	16845	52.1611	52.2
	29 Bromochloromethane	49	3.108	3.104	(0.740)	108925	61.9188	61.9
	146 Methacrylonitrile	41	3.103	3.093	(0.739)	116077	275.454	275
	31 Chloroform	83	3.191	3.186	(0.760)	139189	59.0980	59.1
$	32 Dibromofluoromethane (S)	113	3.366	3.362	(0.802)	77332	52.4601	52.5
	33 1,1,1-Trichloroethane	97	3.392	3.383	(0.808)	106746	54.3846	54.4
	30 Tetrahydrofuran	42	3.170	3.166	(0.755)	72616	50.3728	50.4
	34 cyclohexane	56	3.459	3.450	(0.824)	189704	57.2981	57.3
	37 Isobutyl alcohol	43	3.180	3.166	(0.758)	15984	53.9722	54.0(Q)
	35 Carbon Tetrachloride	117	3.583	3.579	(0.854)	99223	57.7497	57.7
	36 1,1-Dichloropropene	75	3.583	3.579	(0.854)	109733	54.8719	54.9
	38 Benzene	78	3.832	3.827	(0.913)	367666	56.6225	56.6
	141 isopropyl acetate	61	3.863	3.845	(0.920)	11976	252.473	252(Q)
	39 1,2-Dichloroethane	62	3.863	3.853	(0.920)	93801	56.7234	56.7
*	40 Fluorobenzene	96	4.198	4.189	(1.000)	284711	50.0000	
	41 Trichloroethene	95	4.648	4.644	(1.107)	97073	56.9162	56.9
	139 Methylcyclohexane	55	4.865	4.856	(1.159)	134057	53.1677	53.2
	42 1,2-Dichloropropane	63	4.901	4.892	(1.167)	104168	58.3182	58.3
	43 Dibromomethane	93	5.036	5.032	(1.199)	57568	52.9740	53.0
	44 Methyl methacrylate	69	5.093	5.088	(1.213)	70165	50.2196	50.2
	143 2,2,4-Trimethylpentane	57	3.956	3.951	(0.942)	263501	47.8340	47.8
	144 1,4-Dioxane	88	5.087	5.083	(1.212)	24134	23316.6	23300(Q)
	45 Bromodichloromethane	83	5.237	5.228	(1.247)	107350	52.5094	52.5
	46 2-Chloroethyl vinyl ether	63	5.615	5.605	(0.757)	54311	19.4614	19.5
	47 cis-1,3-Dichloropropene	75	5.744	5.740	(0.774)	140063	53.3991	53.4
	48 4-Methyl-2-Pentanone	43	5.940	5.936	(0.801)	581311	275.581	276
$	49 Toluene-d8	98	6.028	6.024	(0.813)	253288	49.4578	49.4
	50 Toluene	91	6.100	6.096	(0.822)	392665	55.6882	55.7
	51 trans-1,3-Dichloropropene	75	6.359	6.355	(0.857)	111373	50.3855	50.4
	52 Ethyl Methacrylate	69	6.493	6.489	(0.875)	134903	50.7312	50.7
	53 1,1,2-Trichloroethane	83	6.540	6.536	(0.882)	70546	53.8085	53.8
	54 Tetrachloroethene	166	6.669	6.665	(0.899)	129903	51.6026	51.6
	55 1,3-Dichloropropane	76	6.700	6.696	(0.903)	143987	53.9256	53.9
	56 2-Hexanone	43	6.809	6.804	(0.918)	416875	300.678	301
	57 Dibromochloromethane	129	6.907	6.903	(0.931)	105817	51.2431	51.2
	58 1,2-Dibromoethane	107	6.995	6.990	(0.943)	98529	51.8222	51.8
*	59 Chlorobenzene-d5	117	7.418	7.414	(1.000)	259726	50.0000	
	60 Chlorobenzene	112	7.439	7.435	(1.003)	294804	53.3166	53.3
	61 1,1,1,2-Tetrachloroethane	131	7.517	7.512	(1.013)	105258	53.3556	53.4
	62 Ethylbenzene	106	7.542	7.538	(1.017)	150050	57.6996	57.7
	63 m&p-Xylene	106	7.641	7.636	(1.030)	379812	109.689	110
	65 o-Xylene	106	7.951	7.947	(1.072)	190764	55.3544	55.4
	66 Styrene	104	7.966	7.962	(1.074)	298209	51.4677	51.5
	67 Bromoform	173	8.096	8.091	(0.885)	74214	46.3487	46.3
	68 Isopropylbenzene	105	8.235	8.231	(1.110)	452082	56.4414	56.4
	69 trans-1,4-Dichloro-2-butene	53	8.499	8.494	(1.146)	29944	49.2002	49.2
	142 n-amyl acetate	70	8.344	8.339	(1.125)	268	122.873	123(Q)
$	70 4-Bromofluorobenzene	95	8.344	8.339	(1.125)	101445	50.3966	50.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
71 Bromobenzene	77	8.447	8.443	(1.139)	188482	66.7473	66.7(R)
72 1,1,2,2-Tetrachloroethane	83	8.457	8.453	(0.924)	117467	52.6694	52.7
73 1,2,3-Trichloropropane	75	8.483	8.479	(0.927)	124307	54.3697	54.4(Q)
74 n-Propylbenzene	91	8.535	8.531	(0.933)	492641	56.7037	56.7
75 2-Chlorotoluene	91	8.587	8.587	(0.938)	283132	54.6173	54.6
77 1,3,5-Trimethylbenzene	105	8.659	8.655	(0.946)	302132	51.9397	51.9
76 4-Chlorotoluene	126	8.592	8.587	(0.939)	118639	53.8197	53.8
78 tert-Butylbenzene	119	8.886	8.882	(0.971)	368021	49.6710	49.7
79 1,2,4-Trimethylbenzene	105	8.917	8.913	(0.975)	300481	52.0929	52.1
80 sec-Butylbenzene	105	9.031	9.027	(0.987)	459777	55.6515	55.6
81 1,3-Dichlorobenzene	146	9.103	9.099	(0.995)	229022	53.1095	53.1
83 p-Isopropyltoluene	119	9.129	9.125	(0.998)	345337	50.3445	50.3
* 82 1,4-Dichlorobenzene-d4	152	9.150	9.146	(1.000)	126615	50.0000	
84 1,4-Dichlorobenzene	146	9.165	9.161	(1.002)	209151	48.2008	48.2
86 n-Butylbenzene	91	9.393	9.394	(1.027)	263000	51.4167	51.4
85 1,2-Dichlorobenzene	146	9.408	9.404	(1.028)	209466	52.4962	52.5
87 1,2-Dibromo-3-chloropropane	155	9.904	9.900	(1.082)	24068	48.6303	48.6
88 1,2,4-Trichlorobenzene	180	10.411	10.407	(1.138)	119196	47.8180	47.8
89 Hexachlorobutadiene	225	10.509	10.505	(1.149)	40741	46.6173	46.6
90 Naphthalene	128	10.561	10.557	(1.154)	295739	45.5603	45.6
91 1,2,3-Trichlorobenzene	180	10.411	10.407	(1.138)	119196	47.8114	47.8
92 2,methyl-naphthalene	142	11.243	11.239	(1.229)	104820	48.1812	48.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C02ICV.D
Lab Smp Id: icv
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Calibration Date: 30-MAR-2009
Calibration Time: 20:46
Client Smp ID: icv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	284711	-8.61
59 Chlorobenzene-d5	282684	141342	565368	259726	-8.12
82 1,4-Dichlorobenze	140868	70434	281736	126615	-10.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.22
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.06
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: icv
Level: LOW
Data Type: MS DATA
SpikeList File: 8260ICV.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a033009a.b\-8260-c1.m
Misc Info:

Client SDG: a033009a.b
Fraction: VOA
Client Smp ID: icv
Operator: amv
SampleType: ICV
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	52.0	103.97	70-130
2 Chloromethane	50.0	57.4	114.71	70-130
3 Vinyl Chloride	50.0	61.6	123.30	70-130
4 Bromomethane	50.0	76.2	152.48*	70-130
5 Chloroethane	50.0	56.4	112.88	70-130
6 Trichlorofluoromet	50.0	62.1	124.16	70-130
28 1,2-dichlorotriflu	50.0	64.5	128.99	70-130
7 Diethyl ether	50.0	59.5	118.93	70-130
8 Acrolein	1000	128	12.82*	70-130
9 1,1-Dichloroethene	50.0	62.4	124.71	70-130
10 1,1,2trichlorotrif	50.0	62.8	125.67	70-130
11 Acetone	250	321	128.36	70-130
12 Iodomethane	100	114	113.76	70-130
13 Carbon Disulfide	100	114	113.72	70-130
138 Methyl Acetate	50.0	93.7	187.34*	70-130
14 allyl chloride	100	117	116.74	70-130
15 Methylene Chloride	50.0	55.5	110.92	70-130
16 Acrylonitrile	1000	1240	123.65	70-130
27 Propionitrile	50.0	52.2	104.32	70-130
18 1,2-Dichloroethene	50.0	61.4	122.91	70-130
19 Methyl-tert-butyl	100	106	106.00	70-130
20 n-Hexane	50.0	57.6	115.31	70-130
21 1,1-Dichloroethane	50.0	56.0	112.04	70-130
23 Vinyl Acetate	200	157	78.61	70-130
25 1,2-Dichloroethene	50.0	58.2	116.37	70-130
24 2,2-Dichloropropan	50.0	45.0	90.01	70-130
26 2-Butanone	250	295	117.90	70-130
29 Bromochloromethane	50.0	61.9	123.84	70-130
30 Tetrahydrofuran	50.0	50.4	100.75	70-130
31 Chloroform	50.0	59.1	118.20	70-130
33 1,1,1-Trichloroeth	50.0	54.4	108.77	70-130
34 cyclohexane	50.0	57.3	114.60	70-130
37 Isobutyl alcohol	50.0	54.0	107.94	70-130
36 1,1-Dichloropropen	50.0	54.9	109.74	70-130
35 Carbon Tetrachlori	50.0	57.7	115.50	70-130
38 Benzene	50.0	56.6	113.24	70-130
39 1,2-Dichloroethane	50.0	56.7	113.45	70-130
41 Trichloroethene	50.0	56.9	113.83	70-130
139 Methylcyclohexane	50.0	53.2	106.34	70-130
42 1,2-Dichloropropan	50.0	58.3	116.64	70-130

NTC amv 3/31/09

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
43 Dibromomethane	50.0	53.0	105.95	70-130
44 Methyl methacrylat	50.0	50.2	100.44	70-130
45 Bromodichlorometha	50.0	52.5	105.02	70-130
47 cis-1,3-Dichloropr	50.0	53.4	106.80	70-130
48 4-Methyl-2-Pentano	250	276	110.23	70-130
50 Toluene	50.0	55.7	111.38	70-130
51 trans-1,3-Dichloro	50.0	50.4	100.77	70-130
52 Ethyl Methacrylate	50.0	50.7	101.46	70-130
53 1,1,2-Trichloroeth	50.0	53.8	107.62	70-130
54 Tetrachloroethene	50.0	51.6	103.21	70-130
55 1,3-Dichloropropan	50.0	53.9	107.85	70-130
56 2-Hexanone	250	301	120.27	70-130
57 Dibromochlorometha	50.0	51.2	102.49	70-130
58 1,2-Dibromoethane	50.0	51.8	103.64	70-130
60 Chlorobenzene	50.0	53.3	106.63	70-130
61 1,1,1,2-Tetrachlor	50.0	53.4	106.71	70-130
62 Ethylbenzene	50.0	57.7	115.40	70-130
63 m&p-Xylene	100	110	109.69	70-130
65 o-Xylene	50.0	55.4	110.71	70-130
66 Styrene	50.0	51.5	102.94	70-130
67 Bromoform	50.0	46.3	92.70	70-130
68 Isopropylbenzene	50.0	56.4	112.88	70-130
69 trans-1,4-Dichloro	50.0	49.2	98.40	70-130
72 1,1,2,2-Tetrachlor	50.0	52.7	105.34	70-130
71 Bromobenzene	50.0	66.7	133.49*	70-130
73 1,2,3-Trichloropro	50.0	54.4	108.74	70-130
74 n-Propylbenzene	50.0	56.7	113.41	70-130
75 2-Chlorotoluene	50.0	54.6	109.23	70-130
76 4-Chlorotoluene	50.0	53.8	107.64	70-130
77 1,3,5-Trimethylben	50.0	51.9	103.88	70-130
78 tert-Butylbenzene	50.0	49.7	99.34	70-130
79 1,2,4-Trimethylben	50.0	52.1	104.19	70-130
80 sec-Butylbenzene	50.0	55.6	111.30	70-130
81 1,3-Dichlorobenzen	50.0	53.1	106.22	70-130
83 p-Isopropyltoluene	50.0	50.3	100.69	70-130
84 1,4-Dichlorobenzen	50.0	48.2	96.40	70-130
86 n-Butylbenzene	50.0	51.4	102.83	70-130
85 1,2-Dichlorobenzen	50.0	52.5	104.99	70-130
88 1,2,4-Trichloroben	50.0	47.8	95.64	70-130
91 1,2,3-Trichloroben	50.0	47.8	95.62	70-130
87 1,2-Dibromo-3-chlo	50.0	48.6	97.26	70-130
89 Hexachlorobutadien	50.0	46.6	93.23	70-130
90 Naphthalene	50.0	45.6	91.12	70-130

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.5	104.92	82-122
$ 49 Toluene-d8	50.0	49.4	98.92	80-120
$ 70 4-Bromofluorobenze	50.0	50.4	100.79	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	52.0	
74-87-3	Chloromethane	57.4	
75-01-4	Vinyl Chloride	61.6	
74-83-9	Bromomethane	76.2	
75-00-3	Chloroethane	56.4	
75-69-4	Trichlorofluoromethane	62.1	
354-23-4	1,2-dichlorotrifluoroethane	64.5	
60-29-7	Diethyl ether	59.5	
75-65-0	tert-Butyl Alcohol	136	
107-02-8	Acrolein	128	
76-13-1	1,1,2trichlorotrifluoroethan	62.8	
75-35-4	1,1-Dichloroethene	62.4	
67-64-1	Acetone	321	
	Iodomethane	114	
75-15-0	Carbon Disulfide	114	
107-05-1	allyl chloride	117	
79-20-9	Methyl Acetate	93.7	
75-09-2	Methylene Chloride	55.5	
107-13-1	Acrylonitrile	1240	
1634-04-4	Methyl-tert-butyl ether	106	
156-60-5	1,2-Dichloroethene (trans)	61.4	
	n-Hexane	57.6	
75-34-3	1,1-Dichloroethane	56.0	
108-05-4	Vinyl Acetate	157	
141-78-6	Ethyl acetate	431	
126-99-8	Chloroprene	42.1	
594-20-7	2,2-Dichloropropane	45.0	
156-59-2	1,2-Dichloroethene (cis)	58.2	
78-93-3	2-Butanone	295	
107-12-0	Propionitrile	52.2	
74-97-5	Bromochloromethane	61.9	
126-98-7	Methacrylonitrile	275	
67-66-3	Chloroform	59.1	
71-55-6	1,1,1-Trichloroethane	54.4	
	Tetrahydrofuran	50.4	
110-82-7	cyclohexane	57.3	
78-83-1	Isobutyl alcohol	54.0	
56-23-5	Carbon Tetrachloride	57.7	
563-58-6	1,1-Dichloropropene	54.9	
71-43-2	Benzene	56.6	
108-21-4	isopropyl acetate	252	
107-06-2	1,2-Dichloroethane	56.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a033009a.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	56.9	
108-87-2	Methylcyclohexane	53.2	
78-87-5	1,2-Dichloropropane	58.3	
74-95-3	Dibromomethane	53.0	
80-62-6	Methyl methacrylate	50.2	
540-84-1	2,2,4-Trimethylpentane	47.8	
	1,4-Dioxane	23300	
75-27-4	Bromodichloromethane	52.5	
110-75-8	2-Chloroethyl vinyl ether	19.5	
10061-01-5	cis-1,3-Dichloropropene	53.4	
108-10-1	4-Methyl-2-Pentanone	276	
108-88-3	Toluene	55.7	
10061-02-6	trans-1,3-Dichloropropene	50.4	
	Ethyl Methacrylate	50.7	
79-00-5	1,1,2-Trichloroethane	53.8	
127-18-4	Tetrachloroethene	51.6	
142-28-9	1,3-Dichloropropane	53.9	
591-78-6	2-Hexanone	301	
124-48-1	Dibromochloromethane	51.2	
106-93-4	1,2-Dibromoethane	51.8	
108-90-7	Chlorobenzene	53.3	
630-20-6	1,1,1,2-Tetrachloroethane	53.4	
100-41-4	Ethylbenzene	57.7	
7816-60-0	m&p-Xylene	110	
95-47-6	o-Xylene	55.4	
100-42-5	Styrene	51.5	
75-25-2	Bromoform	46.3	
98-82-8	Isopropylbenzene	56.4	
	trans-1,4-Dichloro-2-butene	49.2	
628-63-7	n-amyl acetate	123	
108-86-1	Bromobenzene	66.7	
79-34-5	1,1,2,2-Tetrachloroethane	52.7	
96-18-4	1,2,3-Trichloropropane	54.4	
103-65-1	n-Propylbenzene	56.7	
95-49-8	2-Chlorotoluene	54.6	
108-67-8	1,3,5-Trimethylbenzene	51.9	
106-43-4	4-Chlorotoluene	53.8	
98-06-6	tert-Butylbenzene	49.7	
95-63-6	1,2,4-Trimethylbenzene	52.1	
135-98-8	sec-Butylbenzene	55.6	
541-73-1	1,3-Dichlorobenzene	53.1	
99-87-6	p-Isopropyltoluene	50.3	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

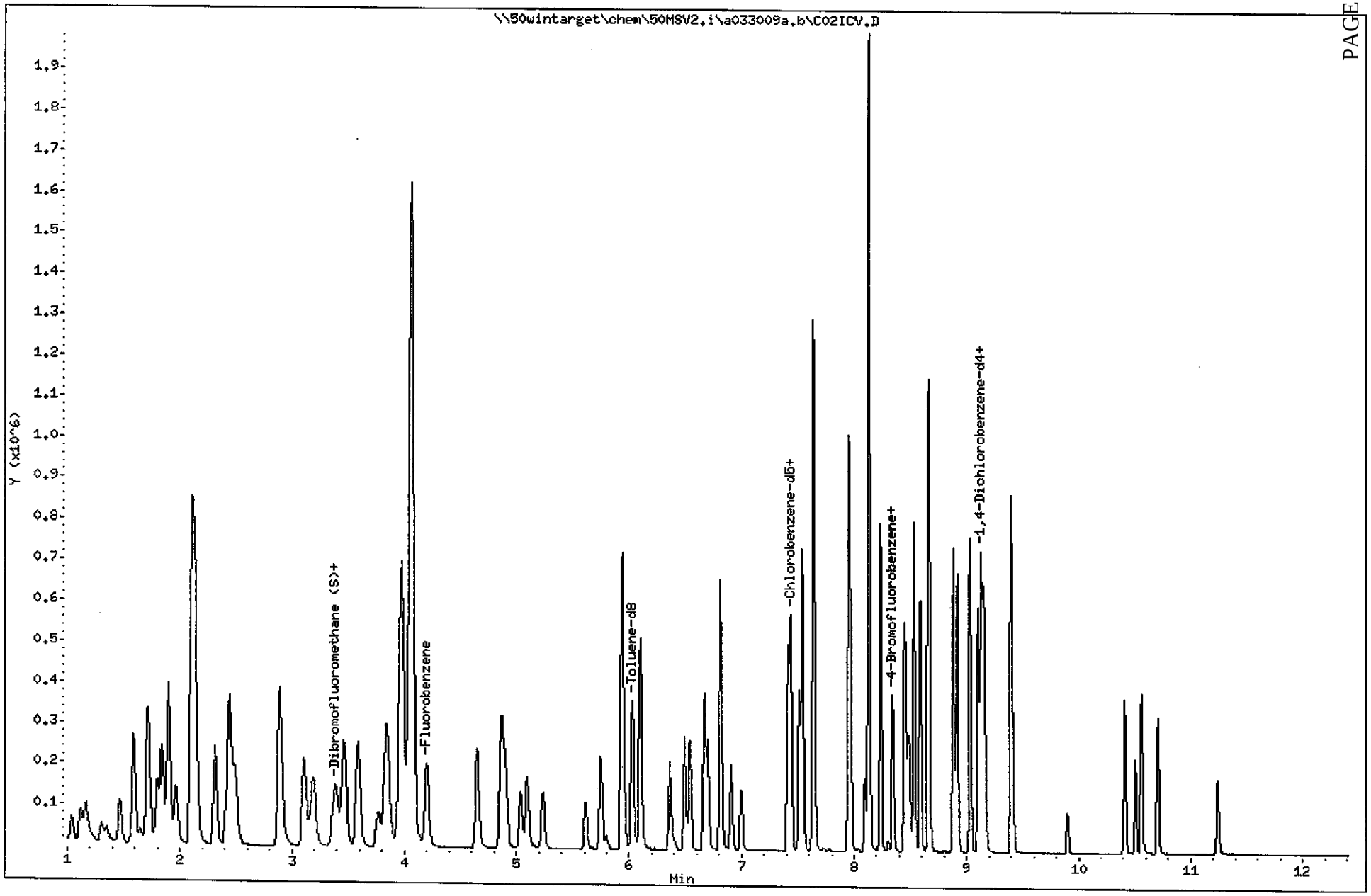
Client SDG: a033009a.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
106-46-7	1,4-Dichlorobenzene	48.2	
104-51-8	n-Butylbenzene	51.4	
95-50-1	1,2-Dichlorobenzene	52.5	
96-12-8	1,2-Dibromo-3-chloropropane	48.6	
120-82-1	1,2,4-Trichlorobenzene	47.8	
87-68-3	Hexachlorobutadiene	46.6	
91-20-3	Naphthalene	45.6	
87-61-6	1,2,3-Trichlorobenzene	47.8	
	2,methyl-naphthalene	48.2	
1868-53-7	Dibromofluoromethane (S)	52.5	
2037-26-5	Toluene-d8	49.4	
460-00-4	4-Bromofluorobenzene	50.4	

Data File: \\50wintarget\chem\50MSV2.i\a033009a.b\C02ICV.D
Date : 31-MAR-2009 00:42
Client ID: icv
Sample Info: icv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i

Operator: amv
Column diameter: 0.18



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VOA 8260B
GC/MS Volatiles

Section 3: Calibration Verification Data

** Calibration Verification Summary Table*
** BFB Tune Information*
** Calibration Verification Standards*

5A

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

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Lab File ID: A00BFB BFB Injection Date: 04/09/09

Instrument ID: 50MSV2 BFB Injection Time: 1103

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.3
75	30.0 - 60.0% of mass 95	33.6
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	91.3
175	5.0 - 9.0% of mass 174	7.4 (8.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	87.1 (95.4)1
177	5.0 - 9.0% of mass 176	5.6 (6.4)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	A01CCV	04/09/09	1136
02	LCS	285650	A02LCS	04/09/09	1210
03	MB	285649	A03MB	04/09/09	1244
04	47001	5024847001	A04	04/09/09	1317
05	47001	5024847001	A05	04/09/09	1351
06	47002	5024847002	A06	04/09/09	1424
07	47002	5024847002	A07	04/09/09	1458
08	47003	5024847003	A08	04/09/09	1532
09	47004	5024847004	A09	04/09/09	1606
10	47005	5024847005	A10	04/09/09	1639
11	47005	5024847005	A11	04/09/09	1713
12	47006	5024847006	A12	04/09/09	1746
13	47007	5024847007	A13	04/09/09	1820
14	47008	5024847008	A14	04/09/09	1853
15	47009	5024847009	A15	04/09/09	1926
16	47010	5024847010	A16	04/09/09	2000
17	59001	5025059001	A17	04/09/09	2034
18	59002	5025059002	A18	04/09/09	2108
19	55007	5025055007	A19	04/09/09	2141
20	MS55007	285651	A20	04/09/09	2215
21	MSD55007	285652	A21	04/09/09	2249
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Instrument ID: 50MSV2 Calibration Date: 04/09/09 Time: 1136

Lab File ID: A01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
Bromochloromethane	52.797	50.000	AVRG	-5.594	
Chloromethane	50.058	50.000	AVRG	-0.116	
Bromomethane	26.576	50.000	2ORDR	46.848	<-
Vinyl Chloride	51.155	50.000	AVRG	-2.310	
Chloroethane	48.551	50.000	LINR	2.8980	
Methylene Chloride	45.929	50.000	LINR	8.1420	
1,1-Dichloroethene	44.763	50.000	LINR	10.474	
1,1-Dichloroethane	46.567	50.000	AVRG	6.8660	
1,2-Dichloroethene (trans)	47.241	50.000	LINR	5.5180	
Chloroform	50.618	50.000	AVRG	-1.236	
1,2-Dichloroethane	46.630	50.000	LINR	6.7400	
1,1,1-Trichloroethane	46.282	50.000	LINR	7.4360	
Carbon Tetrachloride	46.805	50.000	LINR	6.3900	
Bromodichloromethane	46.634	50.000	LINR	6.7320	
1,2-Dichloropropane	48.308	50.000	LINR	3.3840	
trans-1,3-Dichloropropene	47.755	50.000	AVRG	4.4900	
Trichloroethene	48.149	50.000	LINR	3.7020	
Dibromochloromethane	46.325	50.000	LINR	7.3500	
1,1,2-Trichloroethane	47.994	50.000	LINR	4.0120	
Benzene	44.924	50.000	AVRG	10.152	
cis-1,3-Dichloropropene	47.539	50.000	AVRG	4.9220	
Bromoform	41.130	50.000	LINR	17.740	
Tetrachloroethene	41.577	50.000	2ORDR	16.846	
1,1,2,2-Tetrachloroethane	51.384	50.000	AVRG	-2.768	
Toluene	47.725	50.000	AVRG	4.5500	
Chlorobenzene	47.126	50.000	AVRG	5.7480	
Ethylbenzene	51.563	50.000	AVRG	-3.126	
Styrene	47.502	50.000	AVRG	4.9960	
Trichlorofluoromethane	53.698	50.000	LINR	-7.396	
m&p-Xylene	96.540	100.00	AVRG	3.4600	
1,2-Dichloroethene (cis)	49.448	50.000	AVRG	1.1040	
o-Xylene	49.496	50.000	AVRG	1.0080	
1,2,3-Trichloropropane	48.400	50.000	AVRG	3.2000	
1,3-Dichlorobenzene	49.438	50.000	LINR	1.1240	
1,4-Dichlorobenzene	48.868	50.000	LINR	2.2640	
Dibromomethane	47.026	50.000	LINR	5.9480	
1,2-Dichlorobenzene	50.274	50.000	LINR	-0.548	
Dichlorodifluoromethane	42.383	50.000	LINR	15.234	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Instrument ID: 50MSV2 Calibration Date: 04/09/09 Time: 1136

Lab File ID: A01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
2,2-Dichloropropane	47.475	50.000	LINR	5.0500	
1,1-Dichloropropene	45.486	50.000	LINR	9.0280	
1,3-Dichloropropane	47.533	50.000	AVRG	4.9340	
1,2-Dibromoethane	47.917	50.000	AVRG	4.1660	
1,1,1,2-Tetrachloroethane	48.068	50.000	LINR	3.8640	
Isopropylbenzene	51.729	50.000	LINR	-3.458	
Bromobenzene	46.035	50.000	LINR	7.9300	
n-Propylbenzene	53.904	50.000	LINR	-7.808	
2-Chlorotoluene	52.114	50.000	LINR	-4.228	
4-Chlorotoluene	52.211	50.000	AVRG	-4.422	
1,3,5-Trimethylbenzene	55.216	50.000	LINR	-10.43	
tert-Butylbenzene	55.335	50.000	LINR	-10.67	
1,2,4-Trimethylbenzene	54.870	50.000	LINR	-9.740	
sec-Butylbenzene	53.762	50.000	LINR	-7.524	
p-Isopropyltoluene	53.200	50.000	LINR	-6.400	
n-Butylbenzene	52.885	50.000	LINR	-5.770	
1,2-Dibromo-3-chloropropane	40.293	50.000	LINR	19.414	
1,2,4-Trichlorobenzene	41.890	50.000	LINR	16.220	
Hexachlorobutadiene	41.116	50.000	LINR	17.768	
Naphthalene	44.086	50.000	LINR	11.828	
1,2,3-Trichlorobenzene	41.888	50.000	LINR	16.224	
Acrolein	905.60	1000.0	LINR	9.4400	
Carbon Disulfide	81.827	100.00	LINR	18.173	
Acetone	207.00	250.00	2ORDR	17.200	
Acrylonitrile	959.50	1000.0	LINR	4.0500	
Vinyl Acetate	181.69	200.00	AVRG	9.1550	
2-Butanone	225.41	250.00	AVRG	9.8360	
2-Chloroethyl vinyl ether	44.600	50.000	LINR	10.800	
4-Methyl-2-Pentanone	231.78	250.00	AVRG	7.2880	
2-Hexanone	243.71	250.00	AVRG	2.5160	
Methyl-tert-butyl ether	86.459	100.00	AVRG	13.541	
Iodomethane	98.610	100.00	2ORDR	1.3900	
trans-1,4-Dichloro-2-butene	43.382	50.000	LINR	13.236	
Ethyl Methacrylate	43.715	50.000	LINR	12.570	
2,methyl-naphthalene	31.951	50.000	LINR	36.098	<-
n-Hexane	42.638	50.000	LINR	14.724	
cyclohexane	43.263	50.000	LINR	13.474	
1,1,2trichlorotrifluoroetha	46.386	50.000	LINR	7.2280	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Instrument ID: 50MSV2 Calibration Date: 04/09/09 Time: 1136

Lab File ID: A01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
1,2-dichlorotrifluoroethane	46.182	50.000	2ORDR	7.6360	
Tetrahydrofuran	22.356	50.000	LINR	55.288	<-
allyl chloride	98.459	100.00	LINR	1.5410	
Diethyl ether	42.406	50.000	2ORDR	15.188	
Isobutyl alcohol	23.698	50.000	LINR	52.604	<-
Methyl methacrylate	41.937	50.000	LINR	16.126	
Propionitrile	46.211	50.000	AVRG	7.5780	
tert-Butyl Alcohol	101.66	100.00	LINR	-1.660	
Methyl Acetate	48.498	50.000	LINR	3.0040	
Methylcyclohexane	44.983	50.000	LINR	10.034	
Ethyl acetate	455.16	500.00	LINR	8.9680	
isopropyl acetate	250.03	250.00	LINR	++++++	
n-amyl acetate	175.14	250.00	LINR	29.944	<-
2,2,4-Trimethylpentane	43.544	50.000	LINR	12.912	
1,4-Dioxane	1672.2	1000.0	LINR	-67.22	<-
Acetonitrile	1222.3	1000.0	LINR	-22.23	<-
Methacrylonitrile	195.43	250.00	LINR	21.828	<-
Chloroprene	45.931	50.000	LINR	8.1380	
Toluene-d8	50.664	50.000	AVRG	-1.328	
4-Bromofluorobenzene	49.708	50.000	AVRG	0.5840	
Dibromofluoromethane (S)	52.367	50.000	AVRG	-4.734	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A00BFB.D

Page 1

Date : 09-APR-2009 11:03

Client ID: bfb050

Instrument: 50MSV2.i

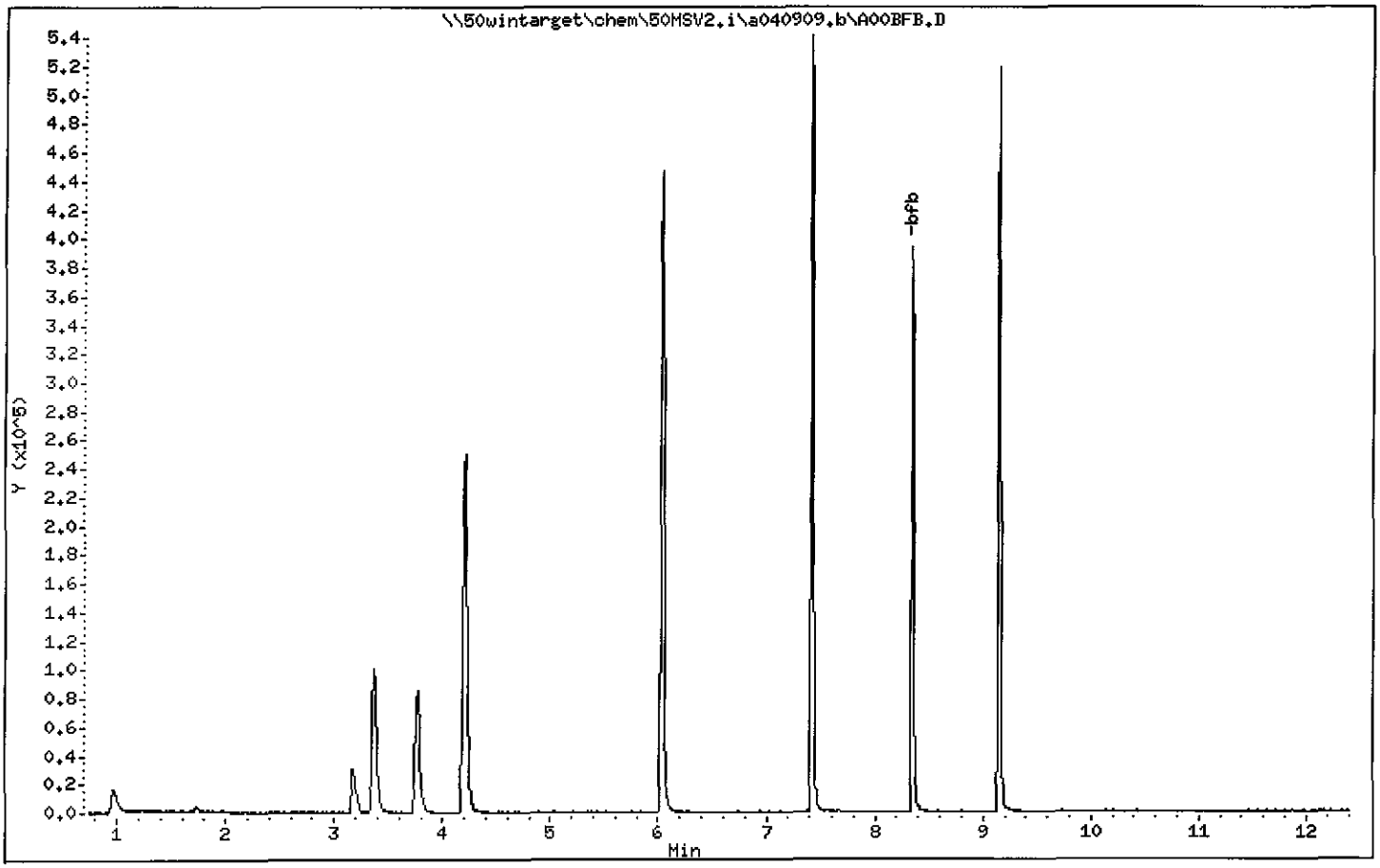
Sample Info: bfb

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A00BFB.D

Date : 09-APR-2009 11:03

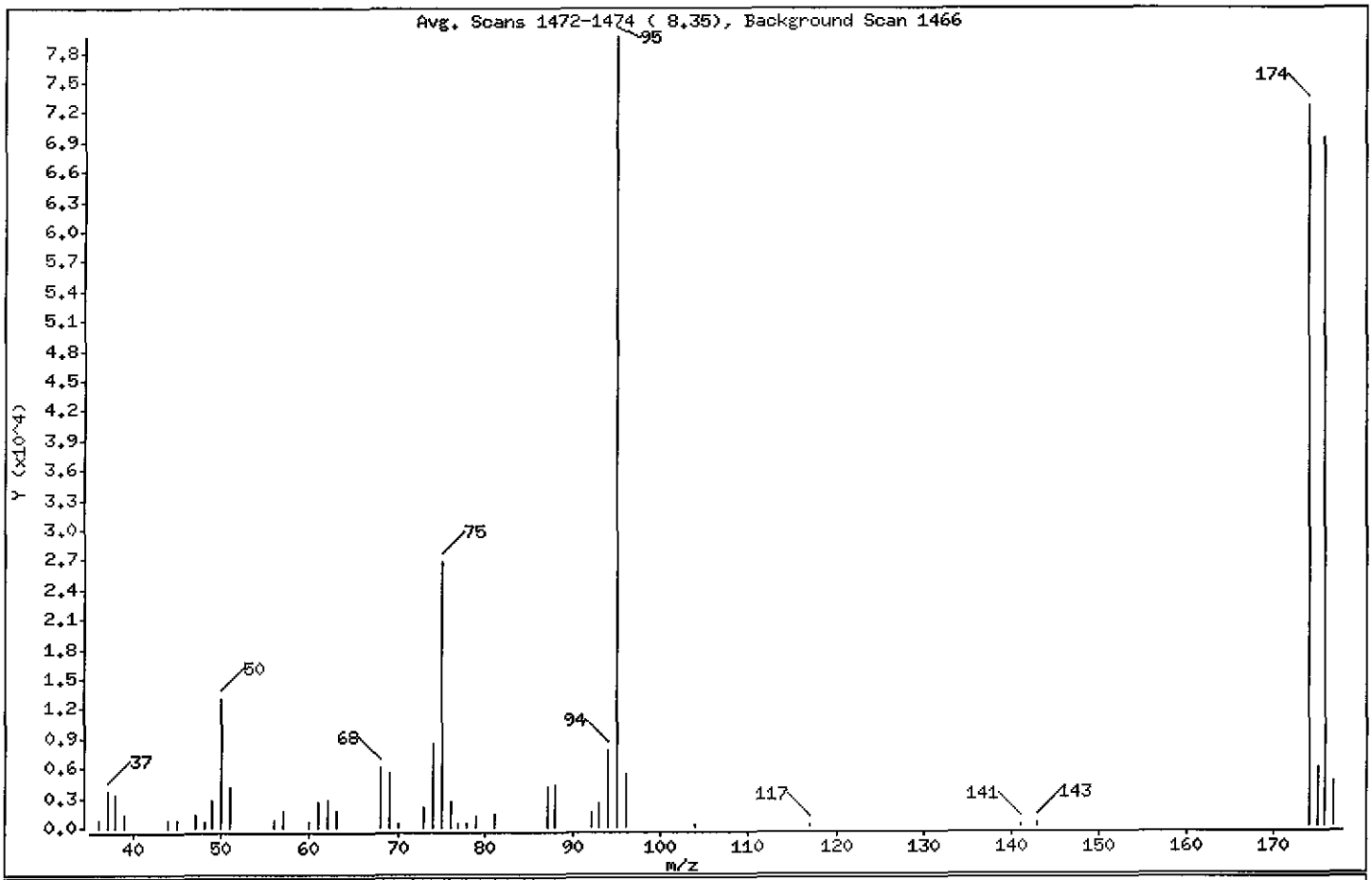
Client ID: bfb050 | Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0 | Operator: amv

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	16.34
75	30.00 - 60.00% of mass 95	33.58
96	5.00 - 9.00% of mass 95	6.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	91.30
175	5.00 - 9.00% of mass 174	7.40 (8.11)
176	95.00 - 101.00% of mass 174	87.12 (95.42)
177	5.00 - 9.00% of mass 176	5.58 (6.40)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A00BFB.D

Date : 09-APR-2009 11:03

Client ID: bfb050 Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0 Operator: amv

Column phase: DB-624 Column diameter: 0.18

Data File: A00BFB.D

Spectrum: Avg. Scans 1472-1474 (8.35), Background Scan 1466

Location of Maximum: 95.00

Number of points: 43

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	749	56.00	797	75.00	26720	95.00	79576
37.00	3726	57.00	1629	76.00	2598	96.00	5325
38.00	3231	60.00	513	77.00	310	104.00	118
39.00	1196	61.00	2573	78.00	304	117.00	168
44.00	677	62.00	2653	79.00	1144	141.00	273
45.00	699	63.00	1574	81.00	1263	143.00	432
47.00	1318	68.00	6077	87.00	3953	174.00	72656
48.00	488	69.00	5445	88.00	4239	175.00	5890
49.00	2798	70.00	278	92.00	1506	176.00	69328
50.00	13005	73.00	2093	93.00	2312	177.00	4438
51.00	3961	74.00	8352	94.00	7666		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\A01CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 09-APR-2009 11:36
Operator : amv Inst ID: 50MSV2.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50QAO-ZDS

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	1.042	1.031	(0.248)	111523	50.0000	42.4
2 Chloromethane	50	1.124	1.119	(0.267)	192608	50.0000	50.0
3 Vinyl Chloride	62	1.171	1.160	(0.278)	144228	50.0000	51.2 ✓
4 Bromomethane	94	1.311	1.294	(0.311)	34699	50.0000	26.6
5 Chloroethane	64	1.357	1.341	(0.322)	57696	50.0000	48.6
6 Trichlorofluoromethane	101	1.466	1.454	(0.348)	106585	50.0000	53.7
28 1,2-dichlorotrifluoroethane	67	1.584	1.573	(0.376)	97619	50.0000	46.2
7 Diethyl ether	74	1.595	1.584	(0.379)	41528	50.0000	42.4
17 tert-Butyl Alcohol	59	1.595	1.584	(0.379)	71625	100.000	102
8 Acrolein	56	1.657	1.646	(0.394)	292524	1000.00	906
10 1,1,2trichlorotrifluoroethane	101	1.708	1.697	(0.406)	70763	50.0000	46.4
9 1,1-Dichloroethene	96	1.714	1.703	(0.407)	67029	50.0000	44.8 ✓
11 Acetone	43	1.734	1.723	(0.412)	126043	250.000	207
12 Iodomethane	142	1.802	1.790	(0.428)	287746	100.000	98.6
13 Carbon Disulfide	76	1.843	1.832	(0.438)	432284	100.000	81.8
14 allyl chloride	41	1.905	1.894	(0.453)	321315	100.000	98.4
145 Acetonitrile	41	1.202	1.201	(0.286)	110	1000.00	1220(Q)
138 Methyl Acetate	43	1.905	1.899	(0.453)	91744	50.0000	48.5
15 Methylene Chloride	84	1.972	1.956	(0.468)	80905	50.0000	45.9
16 Acrylonitrile	53	2.112	2.101	(0.502)	813048	1000.00	959
19 Methyl-tert-butyl ether	73	2.143	2.126	(0.509)	388466	100.000	86.4 ✓
18 1,2-Dichloroethene (trans)	96	2.137	2.126	(0.508)	84968	50.0000	47.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	20 n-Hexane	57	2.318	2.307	(0.551)	131979	50.0000	42.6
	21 1,1-Dichloroethane	63	2.427	2.411	(0.577)	172056	50.0000	46.6
	23 Vinyl Acetate	43	2.453	2.442	(0.583)	997776	200.000	182
	140 Ethyl acetate	88	2.494	2.483	(0.592)	85906	500.000	455
	147 Chloroprene	53	2.494	2.483	(0.592)	144581	50.0000	45.9
	24 2,2-Dichloropropane	77	2.892	2.886	(0.687)	104908	50.0000	47.5
	25 1,2-Dichloroethene (cis)	96	2.897	2.886	(0.688)	115624	50.0000	49.4
	26 2-Butanone	43	2.908	2.896	(0.691)	278402	250.000	225
	27 Propionitrile	54	2.964	2.953	(0.704)	18647	50.0000	46.2
	29 Bromochloromethane	49	3.125	3.108	(0.742)	116053	50.0000	52.8
	146 Methacrylonitrile	41	3.109	3.098	(0.739)	109910	250.000	195
	31 Chloroform	83	3.202	3.196	(0.761)	148963	50.0000	50.6
$	32 Dibromofluoromethane (S)	113	3.378	3.362	(0.802)	96457	50.0000	52.4
	33 1,1,1-Trichloroethane	97	3.404	3.387	(0.809)	111926	50.0000	46.3
	30 Tetrahydrofuran	42	3.182	3.170	(0.756)	67266	50.0000	22.4
	34 cyclohexane	56	3.471	3.455	(0.824)	175272	50.0000	43.3
	37 Isobutyl alcohol	43	3.187	3.170	(0.757)	14460	50.0000	23.7
	35 Carbon Tetrachloride	117	3.595	3.579	(0.854)	98800	50.0000	46.8
	36 1,1-Dichloropropene	75	3.595	3.584	(0.854)	112405	50.0000	45.5
	38 Benzene	78	3.848	3.832	(0.914)	364489	50.0000	44.9
	141 isopropyl acetate	61	3.874	3.874	(0.920)	14553	250.000	250
	39 1,2-Dichloroethane	62	3.869	3.858	(0.919)	95835	50.0000	46.6
*	40 Fluorobenzene	96	4.210	4.194	(1.000)	355752	50.0000	
	41 Trichloroethene	95	4.660	4.649	(1.107)	101602	50.0000	48.1
	139 Methylcyclohexane	55	4.882	4.866	(1.160)	140564	50.0000	45.0
	42 1,2-Dichloropropane	63	4.913	4.902	(1.167)	106591	50.0000	48.3
	43 Dibromomethane	93	5.047	5.041	(1.199)	63475	50.0000	47.0
	44 Methyl methacrylate	69	5.104	5.098	(1.212)	72567	50.0000	41.9
	143 2,2,4-Trimethylpentane	57	3.972	3.961	(0.944)	297821	50.0000	43.5
	144 1,4-Dioxane	88	5.109	5.109	(1.214)	264	1000.00	1670
	45 Bromodichloromethane	83	5.249	5.238	(1.247)	118244	50.0000	46.6
	46 2-Chloroethyl vinyl ether	63	5.621	5.615	(0.757)	160747	50.0000	44.6
	47 cis-1,3-Dichloropropene	75	5.755	5.749	(0.775)	150671	50.0000	47.5
	48 4-Methyl-2-Pentanone	43	5.947	5.941	(0.801)	590778	250.000	232
$	49 Toluene-d8	98	6.040	6.034	(0.813)	313524	50.0000	50.7
	50 Toluene	91	6.112	6.101	(0.823)	406633	50.0000	47.7
	51 trans-1,3-Dichloropropene	75	6.370	6.359	(0.858)	127552	50.0000	47.8
	52 Ethyl Methacrylate	69	6.500	6.494	(0.875)	139221	50.0000	43.7
	53 1,1,2-Trichloroethane	83	6.546	6.540	(0.882)	75629	50.0000	48.0
	54 Tetrachloroethene	166	6.675	6.669	(0.899)	127322	50.0000	41.6
	55 1,3-Dichloropropane	76	6.706	6.700	(0.903)	153362	50.0000	47.5
	56 2-Hexanone	43	6.820	6.814	(0.919)	408289	250.000	244
	57 Dibromochloromethane	129	6.918	6.912	(0.932)	114761	50.0000	46.3
	58 1,2-Dibromoethane	107	7.006	7.000	(0.944)	110085	50.0000	47.9
*	59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	313841	50.0000	
	60 Chlorobenzene	112	7.446	7.445	(1.003)	314864	50.0000	47.1
	61 1,1,1,2-Tetrachloroethane	131	7.523	7.517	(1.013)	113984	50.0000	48.1
	62 Ethylbenzene	106	7.549	7.548	(1.017)	162029	50.0000	51.6
	63 m&p-Xylene	106	7.647	7.646	(1.030)	403932	100.000	96.5
	65 o-Xylene	106	7.957	7.956	(1.072)	206114	50.0000	49.5
	66 Styrene	104	7.973	7.967	(1.074)	332574	50.0000	47.5
	67 Bromoform	173	8.102	8.101	(0.885)	69852	50.0000	41.1
	68 Isopropylbenzene	105	8.241	8.241	(1.110)	500864	50.0000	51.7
	69 trans-1,4-Dichloro-2-butene	53	8.500	8.499	(1.145)	31658	50.0000	43.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
142 n-amyl acetate	70	8.350	8.132	(1.125)	408	250.000	175
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	120906	50.0000	49.7
71 Bromobenzene	77	8.448	8.447	(1.138)	155707	50.0000	46.0
72 1,1,2,2-Tetrachloroethane	83	8.464	8.463	(0.925)	123805	50.0000	51.4
73 1,2,3-Trichloropropane	75	8.490	8.484	(0.928)	119547	50.0000	48.4
74 n-Propylbenzene	91	8.541	8.535	(0.933)	504800	50.0000	53.9
75 2-Chlorotoluene	91	8.593	8.592	(0.939)	291036	50.0000	52.1
77 1,3,5-Trimethylbenzene	105	8.665	8.665	(0.947)	347362	50.0000	55.2
76 4-Chlorotoluene	126	8.598	8.592	(0.940)	124336	50.0000	52.2
78 tert-Butylbenzene	119	8.888	8.887	(0.971)	444070	50.0000	55.3
79 1,2,4-Trimethylbenzene	105	8.924	8.918	(0.975)	342460	50.0000	54.9
80 sec-Butylbenzene	105	9.037	9.037	(0.988)	479202	50.0000	53.8
81 1,3-Dichlorobenzene	146	9.110	9.109	(0.995)	229337	50.0000	49.4
83 p-Isopropyltoluene	119	9.136	9.135	(0.998)	394950	50.0000	53.2
* 82 1,4-Dichlorobenzene-d4	152	9.151	9.150	(1.000)	136784	50.0000	
84 1,4-Dichlorobenzene	146	9.167	9.166	(1.002)	229262	50.0000	48.9
86 n-Butylbenzene	91	9.399	9.398	(1.027)	292478	50.0000	52.9
85 1,2-Dichlorobenzene	146	9.415	9.414	(1.029)	216266	50.0000	50.3
87 1,2-Dibromo-3-chloropropane	155	9.906	9.905	(1.082)	20608	50.0000	40.3
88 1,2,4-Trichlorobenzene	180	10.417	10.417	(1.138)	110829	50.0000	41.9
89 Hexachlorobutadiene	225	10.516	10.515	(1.149)	38171	50.0000	41.1
90 Naphthalene	128	10.567	10.567	(1.155)	308136	50.0000	44.1
91 1,2,3-Trichlorobenzene	180	10.417	10.417	(1.138)	110829	50.0000	41.9
92 2,methyl-naphthalene	142	11.250	11.249	(1.229)	48485	50.0000	32.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A01CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info:

Calibration Date: 09-APR-2009
Calibration Time: 00:00
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	355752	14.19
59 Chlorobenzene-d5	282684	141342	565368	313841	11.02
82 1,4-Dichlorobenze	140868	70434	281736	136784	-2.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.50
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.14
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i
Lab File ID: A01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m

Injection Date: 09-APR-2009 11:36
Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Init. Cal. Times: 18:31 22:26
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	50.00000	42.38295	0.31349	0.000	-15.23410	0.000e+000	Linear
2 Chloromethane	0.54079	0.54141	0.54141	0.000	0.11502	20.00000	Averaged
3 Vinyl Chloride	0.39626	0.40542	0.40542	0.000	2.31008	20.00000	Averaged
4 Bromomethane	50.00000	26.57630	0.09754	0.000	-46.84739	0.000e+000	Quadratic
5 Chloroethane	50.00000	48.55118	0.16218	0.000	-2.89764	0.000e+000	Linear
6 Trichlorofluoromethane	50.00000	53.69833	0.29960	0.000	7.39667	0.000e+000	Linear
28 1,2-dichlorotrifluoroethane	50.00000	46.18193	0.27440	0.000	-7.63613	0.000e+000	Quadratic
7 Diethyl ether	50.00000	42.40620	0.11673	0.000	-15.18761	0.000e+000	Quadratic
17 tert-Butyl Alcohol	100	102	0.10067	0.000	1.66403	0.000e+000	Linear
8 Acrolein	1000	906	0.04111	0.000	-9.44023	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	50.00000	46.38603	0.19891	0.000	-7.22795	0.000e+000	Linear
9 1,1-Dichloroethene	50.00000	44.76295	0.18841	0.000	-10.47409	0.000e+000	Linear
11 Acetone	250	207	0.07086	0.000	-17.20161	0.000e+000	Quadratic
12 Iodomethane	100	98.60984	0.40442	0.000	-1.39016	0.000e+000	Quadratic
13 Carbon Disulfide	100	81.82711	0.60756	0.000	-18.17289	0.000e+000	Linear
14 allyl chloride	100	98.45934	0.45160	0.000	-1.54066	0.000e+000	Linear
145 Acetonitrile	1000	1222	0.00002	0.000	22.23415	0.000e+000	Linear
138 Methyl Acetate	50.00000	48.49809	0.25789	0.000	-3.00381	0.000e+000	Linear
15 Methylene Chloride	50.00000	45.92920	0.22742	0.000	-8.14160	0.000e+000	Linear
16 Acrylonitrile	1000	959	0.11427	0.000	-4.05020	0.000e+000	Linear
19 Methyl-tert-butyl ether	0.63149	0.54598	0.54598	0.000	-13.54062	20.00000	Averaged
18 1,2-Dichloroethene (trans)	50.00000	47.24073	0.23884	0.000	-5.51854	0.000e+000	Linear
20 n-Hexane	50.00000	42.63842	0.37099	0.000	-14.72316	0.000e+000	Linear
21 1,1-Dichloroethane	0.51929	0.48364	0.48364	0.000	-6.86525	20.00000	Averaged
23 Vinyl Acetate	0.77185	0.70117	0.70117	0.000	-9.15618	20.00000	Averaged
140 Ethyl acetate	500	455	0.02415	0.000	-8.96712	0.000e+000	Linear
147 Chloroprene	50.00000	45.93080	0.40641	0.000	-8.13840	0.000e+000	Linear
24 2,2-Dichloropropane	50.00000	47.47523	0.29489	0.000	-5.04954	0.000e+000	Linear
25 1,2-Dichloroethene (cis)	0.32864	0.32501	0.32501	0.000	-1.10365	20.00000	Averaged
26 2-Butanone	0.17359	0.15651	0.15651	0.000	-9.83672	20.00000	Averaged
27 Propionitrile	0.05671	0.05242	0.05242	0.000	-7.57876	20.00000	Averaged
29 Bromochloromethane	0.30894	0.32622	0.32622	0.000	5.59367	20.00000	Averaged
146 Methacrylonitrile	250	195	0.06179	0.000	-21.82639	0.000e+000	Linear
31 Chloroform	0.41362	0.41873	0.41873	0.000	1.23556	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.25888	0.27114	0.27114	0.000	4.73460	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	46.28232	0.31462	0.000	-7.43535	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	22.35571	0.18908	0.000	-55.28859	0.000e+000	Linear
34 cyclohexane	50.00000	43.26329	0.49268	0.000	-13.47341	0.000e+000	Linear
37 Isobutyl alcohol	50.00000	23.69768	0.04065	0.000	-52.60465	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	46.80470	0.27772	0.000	-6.39061	0.000e+000	Linear
36 1,1-Dichloropropene	50.00000	45.48554	0.31596	0.000	-9.02893	0.000e+000	Linear
38 Benzene	1.14033	1.02456	1.02456	0.000	-10.15239	20.00000	Averaged

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 09-APR-2009 11:36
Lab File ID: A01CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 isopropyl acetate	250	250	0.00818	0.000	0.01106	0.000e+000	Linear
39 1,2-Dichloroethane	50.00000	46.62952	0.26939	0.000	-6.74095	0.000e+000	Linear
41 Trichloroethene	50.00000	48.14902	0.28560	0.000	-3.70197	0.000e+000	Linear
139 Methylcyclohexane	50.00000	44.98267	0.39512	0.000	-10.03466	0.000e+000	Linear
42 1,2-Dichloropropane	50.00000	48.30811	0.29962	0.000	-3.38378	0.000e+000	Linear
43 Dibromomethane	50.00000	47.02584	0.17842	0.000	-5.94833	0.000e+000	Linear
44 Methyl methacrylate	50.00000	41.93741	0.20398	0.000	-16.12517	0.000e+000	Linear
143 2,2,4-Trimethylpentane	50.00000	43.54351	0.83716	0.000	-12.91298	0.000e+000	Linear
144 1,4-Dioxane	1000	1672	0.00004	0.000	67.22491	0.000e+000	Linear
45 Bromodichloromethane	50.00000	46.63415	0.33238	0.000	-6.73171	0.000e+000	Linear
46 2-Chloroethyl vinyl ether	50.00000	44.59987	0.51219	0.000	-10.80026	0.000e+000	Linear
47 cis-1,3-Dichloropropene	0.50495	0.48009	0.48009	0.000	-4.92298	20.00000	Averaged
48 4-Methyl-2-Pentanone	0.40608	0.37648	0.37648	0.000	-7.28925	20.00000	Averaged
$ 49 Toluene-d8	0.98590	0.99899	0.99899	0.000	1.32734	20.00000	Averaged
50 Toluene	1.35742	1.29567	1.29567	0.000	-4.54918	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.42553	0.40642	0.40642	0.000	-4.48995	20.00000	Averaged
52 Ethyl Methacrylate	50.00000	43.71534	0.44360	0.000	-12.56932	0.000e+000	Linear
53 1,1,2-Trichloroethane	50.00000	47.99387	0.24098	0.000	-4.01226	0.000e+000	Linear
54 Tetrachloroethene	50.00000	41.57718	0.40569	0.000	-16.84564	0.000e+000	Quadratic
55 1,3-Dichloropropane	0.51402	0.48866	0.48866	0.000	-4.93407	20.00000	Averaged
56 2-Hexanone	0.26691	0.26019	0.26019	0.000	-2.51702	20.00000	Averaged
57 Dibromochloromethane	50.00000	46.32528	0.36567	0.000	-7.34945	0.000e+000	Linear
58 1,2-Dibromoethane	0.36602	0.35077	0.35077	0.000	-4.16692	20.00000	Averaged
60 Chlorobenzene	1.06445	1.00326	1.00326	0.000	-5.74868	20.00000	Averaged
61 1,1,1,2-Tetrachloroethane	50.00000	48.06833	0.36319	0.000	-3.86334	0.000e+000	Linear
62 Ethylbenzene	0.50063	0.51628	0.51628	0.000	3.12537	20.00000	Averaged
63 m&p-Xylene	0.66659	0.64353	0.64353	0.000	-3.45980	20.00000	Averaged
65 o-Xylene	0.66344	0.65675	0.65675	0.000	-1.00818	20.00000	Averaged
66 Styrene	1.11542	1.05969	1.05969	0.000	-4.99677	20.00000	Averaged
67 Bromoform	50.00000	41.13010	0.51067	0.000	-17.73980	0.000e+000	Linear
68 Isopropylbenzene	50.00000	51.72856	1.59592	0.000	3.45713	0.000e+000	Linear
69 trans-1,4-Dichloro-2-butene	50.00000	43.38229	0.10087	0.000	-13.23542	0.000e+000	Linear
142 n-amyl acetate	250	175	0.00026	0.000	-29.94329	0.000e+000	Linear
$ 70 4-Bromofluorobenzene	0.38751	0.38525	0.38525	0.000	-0.58440	20.00000	Averaged
71 Bromobenzene	50.00000	46.03471	0.49613	0.000	-7.93058	0.000e+000	Linear
72 1,1,2,2-Tetrachloroethane	0.88073	0.90511	0.90511	0.000	2.76861	20.00000	Averaged
73 1,2,3-Trichloropropane	0.90287	0.87398	0.87398	0.000	-3.19901	20.00000	Averaged
74 n-Propylbenzene	50.00000	53.90445	3.69049	0.000	7.80891	0.000e+000	Linear
75 2-Chlorotoluene	50.00000	52.11396	2.12770	0.000	4.22791	0.000e+000	Linear
77 1,3,5-Trimethylbenzene	50.00000	55.21553	2.53949	0.000	10.43106	0.000e+000	Linear
76 4-Chlorotoluene	0.87050	0.90900	0.90900	0.000	4.42169	20.00000	Averaged
78 tert-Butylbenzene	50.00000	55.33532	3.24651	0.000	10.67065	0.000e+000	Linear
79 1,2,4-Trimethylbenzene	50.00000	54.86975	2.50366	0.000	9.73950	0.000e+000	Linear

Pace Analytical Services, Inc.

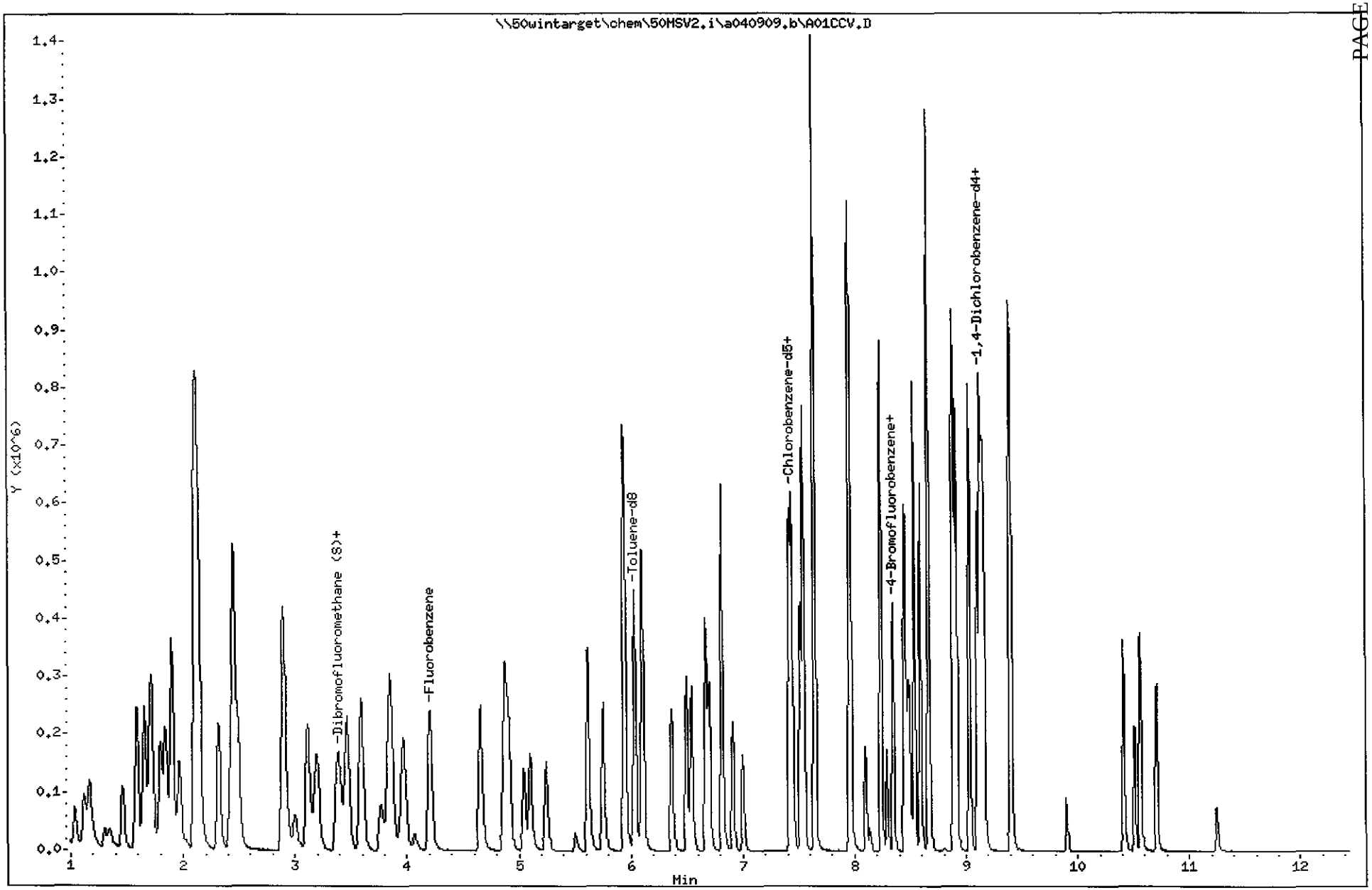
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 09-APR-2009 11:36
Lab File ID: A01CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
80 sec-Butylbenzene	50.00000	53.76183	3.50335	0.000	7.52366	0.000e+000	Linear
81 1,3-Dichlorobenzene	50.00000	49.43759	1.67664	0.000	-1.12482	0.000e+000	Linear
83 p-Isopropyltoluene	50.00000	53.19966	2.88740	0.000	6.39932	0.000e+000	Linear
84 1,4-Dichlorobenzene	50.00000	48.86802	1.67609	0.000	-2.26397	0.000e+000	Linear
86 n-Butylbenzene	50.00000	52.88455	2.13825	0.000	5.76910	0.000e+000	Linear
85 1,2-Dichlorobenzene	50.00000	50.27402	1.58108	0.000	0.54803	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	40.29326	0.15066	0.000	-19.41348	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	41.88985	0.81025	0.000	-16.22030	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	41.11645	0.27906	0.000	-17.76709	0.000e+000	Linear
90 Naphthalene	50.00000	44.08628	2.25272	0.000	-11.82745	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	41.88750	0.81025	0.000	-16.22499	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	31.95097	0.35446	0.000	-36.09806	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A01CCV.D
Date : 09-APR-2009 11:36
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



5A

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

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Lab File ID: C00BFB BFB Injection Date: 04/09/09

Instrument ID: 50MSV2 BFB Injection Time: 2322

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.9
75	30.0 - 60.0% of mass 95	32.8
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	92.2
175	5.0 - 9.0% of mass 174	7.5 (8.2)1
176	Greater than 95.0%, but less than 101.0% of mass 174	90.8 (98.4)1
177	5.0 - 9.0% of mass 176	5.5 (6.0)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	C01CCV	04/09/09	2356
02	LCS	285656	C02LCS	04/10/09	0030
03	MB	285655	C03MB	04/10/09	0104
04	55001	5025055001	C04	04/10/09	0138
05	55002	5025055002	C05	04/10/09	0212
06	55004	5025055004	C06	04/10/09	0245
07	55005	5025055005	C07	04/10/09	0319
08	55008	5025055008	C08	04/10/09	0353
09	55009	5025055009	C09	04/10/09	0426
10	55010	5025055010	C10	04/10/09	0500
11	MS55010	285657	C11	04/10/09	0534
12	MSD55010	285658	C12	04/10/09	0607
13	55011	5025055011	C13	04/10/09	0641
14	55012	5025055012	C14	04/10/09	0715
15	55013	5025055013	C15	04/10/09	0748
16	55016	5025055016	C16	04/10/09	0822
17	55017	5025055017	C17	04/10/09	0856
18	55020	5025055020	C18	04/10/09	0930
19	55022	5025055022	C19	04/10/09	1004
20	55014	5025055014	C20	04/10/09	1038
21	07002	5024907002	C21	04/10/09	1111
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Instrument ID: 50MSV2 Calibration Date: 04/09/09 Time: 2356

Lab File ID: C01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
Bromochloromethane	54.060	50.000	AVRG	-8.120	
Chloromethane	46.601	50.000	AVRG	6.7980	
Bromomethane	30.692	50.000	2ORDR	38.616	<-
Vinyl Chloride	47.963	50.000	AVRG	4.0740	
Chloroethane	46.978	50.000	LINR	6.0440	
Methylene Chloride	46.363	50.000	LINR	7.2740	
1,1-Dichloroethene	47.577	50.000	LINR	4.8460	
1,1-Dichloroethane	48.102	50.000	AVRG	3.7960	
1,2-Dichloroethene (trans)	49.389	50.000	LINR	1.2220	
Chloroform	52.915	50.000	AVRG	-5.830	
1,2-Dichloroethane	48.483	50.000	LINR	3.0340	
1,1,1-Trichloroethane	48.718	50.000	LINR	2.5640	
Carbon Tetrachloride	49.907	50.000	LINR	0.1860	
Bromodichloromethane	48.180	50.000	LINR	3.6400	
1,2-Dichloropropane	48.321	50.000	LINR	3.3580	
trans-1,3-Dichloropropene	49.310	50.000	AVRG	1.3800	
Trichloroethene	50.202	50.000	LINR	-0.404	
Dibromochloromethane	51.064	50.000	LINR	-2.128	
1,1,2-Trichloroethane	50.768	50.000	LINR	-1.536	
Benzene	46.560	50.000	AVRG	6.8800	
cis-1,3-Dichloropropene	49.635	50.000	AVRG	0.7300	
Bromoform	45.294	50.000	LINR	9.4120	
Tetrachloroethene	49.047	50.000	2ORDR	1.9060	
1,1,2,2-Tetrachloroethane	55.141	50.000	AVRG	-10.28	
Toluene	51.641	50.000	AVRG	-3.282	
Chlorobenzene	51.687	50.000	AVRG	-3.374	
Ethylbenzene	56.780	50.000	AVRG	-13.56	
Styrene	52.342	50.000	AVRG	-4.684	
Trichlorofluoromethane	53.047	50.000	LINR	-6.094	
m&p-Xylene	105.64	100.00	AVRG	-5.640	
1,2-Dichloroethene (cis)	51.877	50.000	AVRG	-3.754	
o-Xylene	54.426	50.000	AVRG	-8.852	
1,2,3-Trichloropropane	50.853	50.000	AVRG	-1.706	
1,3-Dichlorobenzene	52.675	50.000	LINR	-5.350	
1,4-Dichlorobenzene	52.048	50.000	LINR	-4.096	
Dibromomethane	48.468	50.000	LINR	3.0640	
1,2-Dichlorobenzene	53.076	50.000	LINR	-6.152	
Dichlorodifluoromethane	38.259	50.000	LINR	23.482	<-

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Instrument ID: 50MSV2 Calibration Date: 04/09/09 Time: 2356

Lab File ID: C01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
2,2-Dichloropropane	40.206	50.000	LINR	19.588	
1,1-Dichloropropene	47.013	50.000	LINR	5.9740	
1,3-Dichloropropane	50.547	50.000	AVRG	-1.094	
1,2-Dibromoethane	52.409	50.000	AVRG	-4.818	
1,1,1,2-Tetrachloroethane	53.673	50.000	LINR	-7.346	
Isopropylbenzene	56.439	50.000	LINR	-12.88	
Bromobenzene	50.568	50.000	LINR	-1.136	
n-Propylbenzene	57.481	50.000	LINR	-14.96	
2-Chlorotoluene	55.996	50.000	LINR	-11.99	
4-Chlorotoluene	57.077	50.000	AVRG	-14.15	
1,3,5-Trimethylbenzene	59.781	50.000	LINR	-19.56	
tert-Butylbenzene	60.448	50.000	LINR	-20.90	<-
1,2,4-Trimethylbenzene	59.347	50.000	LINR	-18.69	
sec-Butylbenzene	58.118	50.000	LINR	-16.24	
p-Isopropyltoluene	57.550	50.000	LINR	-15.10	
n-Butylbenzene	56.789	50.000	LINR	-13.58	
1,2-Dibromo-3-chloropropane	44.290	50.000	LINR	11.420	
1,2,4-Trichlorobenzene	43.976	50.000	LINR	12.048	
Hexachlorobutadiene	46.605	50.000	LINR	6.7900	
Naphthalene	46.328	50.000	LINR	7.3440	
1,2,3-Trichlorobenzene	43.973	50.000	LINR	12.054	
Acrolein	895.35	1000.0	LINR	10.465	
Carbon Disulfide	83.698	100.00	LINR	16.302	
Acetone	218.46	250.00	2ORDR	12.616	
Acrylonitrile	1013.9	1000.0	LINR	-1.390	
Vinyl Acetate	182.41	200.00	AVRG	8.7950	
2-Butanone	240.10	250.00	AVRG	3.9600	
2-Chloroethyl vinyl ether	48.222	50.000	LINR	3.5560	
4-Methyl-2-Pentanone	251.20	250.00	AVRG	-0.480	
2-Hexanone	260.78	250.00	AVRG	-4.312	
Methyl-tert-butyl ether	89.366	100.00	AVRG	10.634	
Iodomethane	105.68	100.00	2ORDR	-5.680	
trans-1,4-Dichloro-2-butene	41.960	50.000	LINR	16.080	
Ethyl Methacrylate	46.887	50.000	LINR	6.2260	
2,methyl-naphthalene	32.613	50.000	LINR	34.774	<-
n-Hexane	40.505	50.000	LINR	18.990	
cyclohexane	44.911	50.000	LINR	10.178	
1,1,2trichlorotrifluoroetha	50.108	50.000	LINR	-0.216	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A040909.B

Instrument ID: 50MSV2 Calibration Date: 04/09/09 Time: 2356

Lab File ID: C01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
1,2-dichlorotrifluoroethane	49.459	50.000	2ORDR	1.0820	
Tetrahydrofuran	27.037	50.000	LINR	45.926	<-
allyl chloride	96.939	100.00	LINR	3.0610	
Diethyl ether	44.238	50.000	2ORDR	11.524	
Isobutyl alcohol	24.891	50.000	LINR	50.218	<-
Methyl methacrylate	44.212	50.000	LINR	11.576	
Propionitrile	49.332	50.000	AVRG	1.3360	
tert-Butyl Alcohol	105.56	100.00	LINR	-5.560	
Methyl Acetate	49.792	50.000	LINR	0.4160	
Methylcyclohexane	45.941	50.000	LINR	8.1180	
Ethyl acetate	483.29	500.00	LINR	3.3420	
isopropyl acetate	0.0000	250.00	LINR	100.00	<-
n-amyl acetate	365.12	250.00	LINR	-46.05	<-
2,2,4-Trimethylpentane	41.528	50.000	LINR	16.944	
1,4-Dioxane	0.0000	1000.0	LINR	100.00	<-
Acetonitrile	1363.0	1000.0	LINR	-36.30	<-
Methacrylonitrile	210.93	250.00	LINR	15.628	
Chloroprene	47.751	50.000	LINR	4.4980	
Toluene-d8	53.301	50.000	AVRG	-6.602	
4-Bromofluorobenzene	50.567	50.000	AVRG	-1.134	
Dibromofluoromethane (S)	52.627	50.000	AVRG	-5.254	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C00BFB.D

Date : 09-APR-2009 23:22

Client ID: bfb050

Instrument: 50MSV2.i

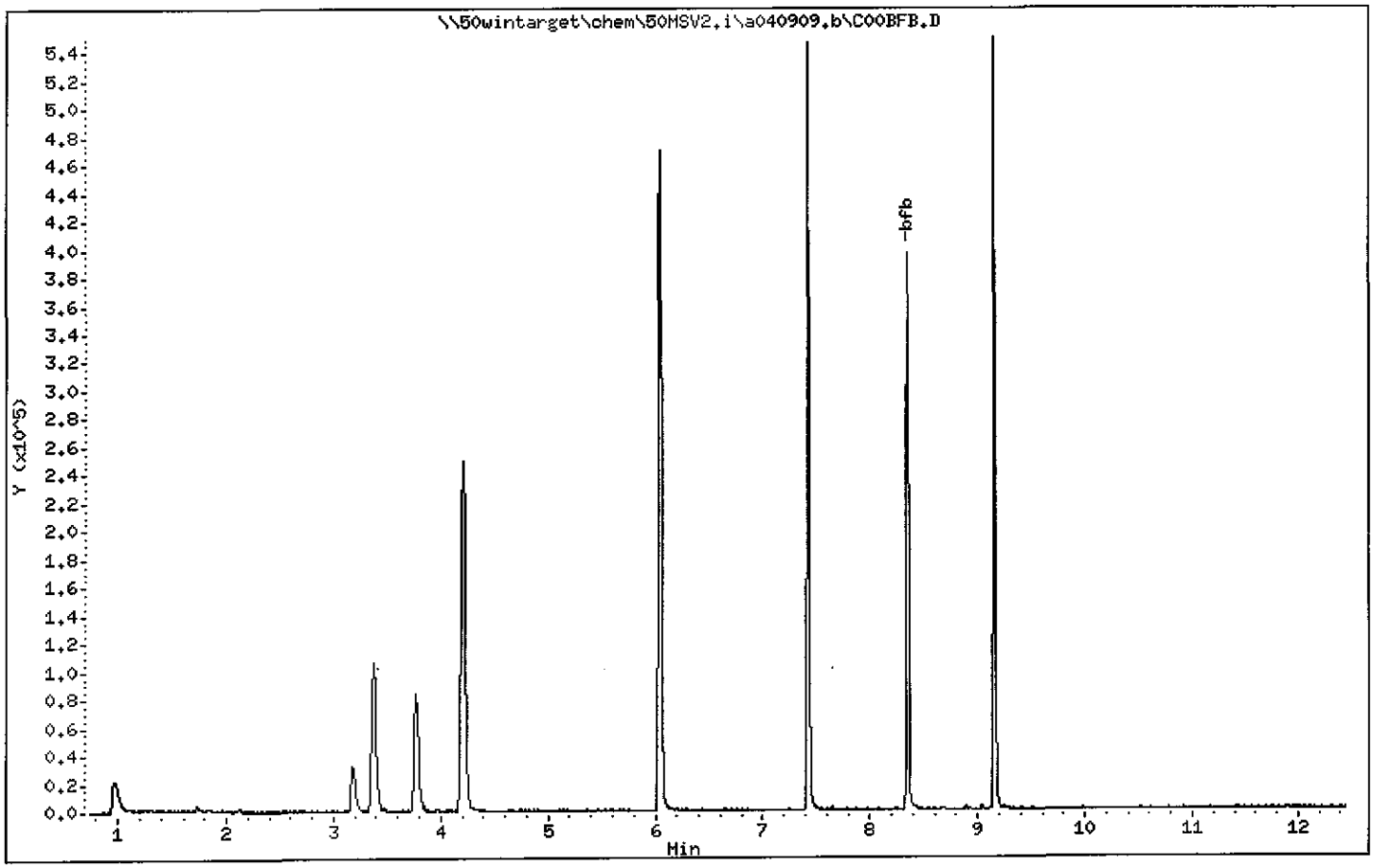
Sample Info: bfb

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



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Date : 09-APR-2009 23:22

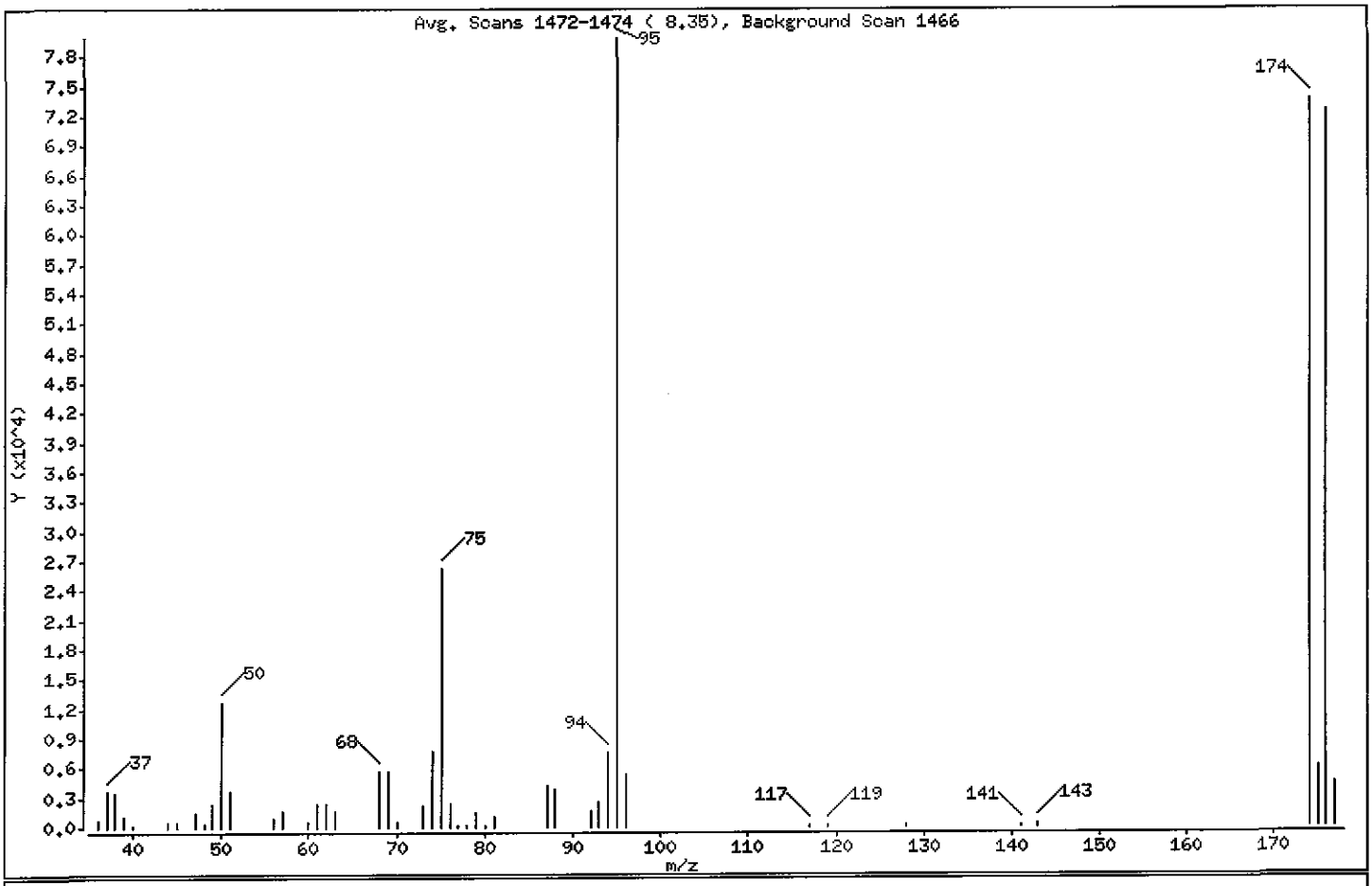
Client ID: bfb050 | Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0 | Operator: amv

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	15.87
75	30.00 - 60.00% of mass 95	32.77
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	92.20
175	5.00 - 9.00% of mass 174	7.52 (8.16)
176	95.00 - 101.00% of mass 174	90.78 (98.46)
177	5.00 - 9.00% of mass 176	5.49 (6.05)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C00BFB.D

Date : 09-APR-2009 23:22

Client ID: bfb050 Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0 Operator: amv

Column phase: DB-624 Column diameter: 0.18

Data File: C00BFB.D
Spectrum: Avg. Scans 1472-1474 (8.35), Background Scan 1466
Location of Maximum: 95.00
Number of points: 46

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	757	56.00	868	76.00	2402	96.00	5385
37.00	3592	57.00	1729	77.00	190	117.00	270
38.00	3420	60.00	610	78.00	192	119.00	264
39.00	1182	61.00	2444	79.00	1401	128.00	119
40.00	128	62.00	2352	80.00	182	141.00	121
44.00	618	63.00	1595	81.00	1100	143.00	328
45.00	482	68.00	5772	87.00	4246	174.00	73680
47.00	1401	69.00	5621	88.00	3894	175.00	6011
48.00	350	70.00	524	92.00	1623	176.00	72544
49.00	2430	73.00	2229	93.00	2616	177.00	4388
50.00	12679	74.00	7677	94.00	7449		
51.00	3744	75.00	26184	95.00	79912		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C01CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 09-APR-2009 23:56
Operator : amv Inst ID: 50MSV2.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 45 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50QAO-ZDS

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	1.031	1.031	(0.246)	102177	50.0000	38.2
2 Chloromethane	50	1.119	1.119	(0.267)	184657	50.0000	46.6
3 Vinyl Chloride	62	1.160	1.160	(0.277)	139261	50.0000	48.0
4 Bromomethane	94	1.294	1.294	(0.309)	39217	50.0000	30.7
5 Chloroethane	64	1.341	1.341	(0.320)	57545	50.0000	47.0
6 Trichlorofluoromethane	101	1.454	1.454	(0.347)	108467	50.0000	53.0
28 1,2-dichlorotrifluoroethane	67	1.573	1.573	(0.375)	107380	50.0000	49.4
7 Diethyl ether	74	1.584	1.584	(0.378)	44541	50.0000	44.2
17 tert-Butyl Alcohol	59	1.584	1.584	(0.378)	76331	100.000	106
8 Acrolein	56	1.646	1.646	(0.392)	297765	1000.00	895
10 1,1,2trichlorotrifluoroethane	101	1.697	1.697	(0.405)	78601	50.0000	50.1
9 1,1-Dichloroethene	96	1.703	1.703	(0.406)	73263	50.0000	47.6
11 Acetone	43	1.723	1.723	(0.411)	136438	250.000	218
12 Iodomethane	142	1.790	1.790	(0.427)	317582	100.000	106
13 Carbon Disulfide	76	1.832	1.832	(0.437)	455642	100.000	83.7
14 allyl chloride	41	1.894	1.894	(0.452)	325844	100.000	96.9
145 Acetonitrile	41	1.201	1.201	(0.287)	347	1000.00	1360
138 Methyl Acetate	43	1.899	1.899	(0.453)	97070	50.0000	49.8
15 Methylene Chloride	84	1.956	1.956	(0.466)	84121	50.0000	46.4
16 Acrylonitrile	53	2.101	2.101	(0.501)	881122	1000.00	1010
19 Methyl-tert-butyl ether	73	2.126	2.126	(0.507)	413500	100.000	89.4
18 1,2-Dichloroethene (trans)	96	2.126	2.126	(0.507)	91565	50.0000	49.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
20 n-Hexane	57	2.307	2.307	(0.550)	128813	50.0000	40.5
21 1,1-Dichloroethane	63	2.411	2.411	(0.575)	183028	50.0000	48.1
23 Vinyl Acetate	43	2.442	2.442	(0.582)	1031619	200.000	182
140 Ethyl acetate	88	2.483	2.483	(0.592)	94446	500.000	483
147 Chloroprene	53	2.483	2.483	(0.592)	155137	50.0000	47.8
24 2,2-Dichloropropane	77	2.886	2.886	(0.688)	92246	50.0000	40.2
25 1,2-Dichloroethene (cis)	96	2.886	2.886	(0.688)	124921	50.0000	51.9
26 2-Butanone	43	2.896	2.896	(0.691)	305393	250.000	240
27 Propionitrile	54	2.953	2.953	(0.704)	20500	50.0000	49.3
29 Bromochloromethane	49	3.108	3.108	(0.741)	122374	50.0000	54.1
146 Methacrylonitrile	41	3.098	3.098	(0.739)	120192	250.000	211
31 Chloroform	83	3.196	3.196	(0.762)	160368	50.0000	52.9
$ 32 Dibromofluoromethane (S)	113	3.362	3.362	(0.802)	99826	50.0000	52.6
33 1,1,1-Trichloroethane	97	3.387	3.387	(0.808)	121907	50.0000	48.7
30 Tetrahydrofuran	42	3.170	3.170	(0.756)	73310	50.0000	27.0
34 cyclohexane	56	3.455	3.455	(0.824)	187968	50.0000	44.9
37 Isobutyl alcohol	43	3.170	3.170	(0.756)	15115	50.0000	24.9
35 Carbon Tetrachloride	117	3.579	3.579	(0.853)	109097	50.0000	49.9
36 1,1-Dichloropropene	75	3.584	3.584	(0.855)	119898	50.0000	47.0
38 Benzene	78	3.832	3.832	(0.914)	389026	50.0000	46.6
39 1,2-Dichloroethane	62	3.858	3.858	(0.920)	102734	50.0000	48.5
* 40 Fluorobenzene	96	4.194	4.194	(1.000)	366361	50.0000	
41 Trichloroethene	95	4.649	4.649	(1.108)	109380	50.0000	50.2
139 Methylcyclohexane	55	4.866	4.866	(1.160)	148003	50.0000	45.9
42 1,2-Dichloropropane	63	4.902	4.902	(1.169)	109800	50.0000	48.3
43 Dibromomethane	93	5.041	5.041	(1.202)	67479	50.0000	48.5
44 Methyl methacrylate	69	5.098	5.098	(1.216)	79003	50.0000	44.2
143 2,2,4-Trimethylpentane	57	3.961	3.961	(0.945)	291502	50.0000	41.5
45 Bromodichloromethane	83	5.238	5.238	(1.249)	126076	50.0000	48.2
46 2-Chloroethyl vinyl ether	63	5.615	5.615	(0.757)	172521	50.0000	48.2
47 cis-1,3-Dichloropropene	75	5.749	5.749	(0.775)	155574	50.0000	49.6
48 4-Methyl-2-Pentanone	43	5.941	5.941	(0.801)	633205	250.000	251
$ 49 Toluene-d8	98	6.034	6.034	(0.813)	326194	50.0000	53.3
50 Toluene	91	6.101	6.101	(0.822)	435127	50.0000	51.6
51 trans-1,3-Dichloropropene	75	6.359	6.359	(0.857)	130247	50.0000	49.3
52 Ethyl Methacrylate	69	6.494	6.494	(0.875)	148316	50.0000	46.9
53 1,1,2-Trichloroethane	83	6.540	6.540	(0.882)	79329	50.0000	50.8
54 Tetrachloroethene	166	6.669	6.669	(0.899)	147709	50.0000	49.0
55 1,3-Dichloropropane	76	6.700	6.700	(0.903)	161282	50.0000	50.5
56 2-Hexanone	43	6.814	6.814	(0.918)	432059	250.000	261
57 Dibromochloromethane	129	6.912	6.912	(0.932)	125978	50.0000	51.1
58 1,2-Dibromoethane	107	7.000	7.000	(0.944)	119074	50.0000	52.4
* 59 Chlorobenzene-d5	117	7.419	7.419	(1.000)	310369	50.0000	
60 Chlorobenzene	112	7.445	7.445	(1.003)	341517	50.0000	51.7
61 1,1,1,2-Tetrachloroethane	131	7.517	7.517	(1.013)	126567	50.0000	53.7
62 Ethylbenzene	106	7.548	7.548	(1.017)	176450	50.0000	56.8
63 m&p-Xylene	106	7.646	7.646	(1.031)	437114	100.000	106
65 o-Xylene	106	7.956	7.956	(1.072)	224138	50.0000	54.4
66 Styrene	104	7.967	7.967	(1.074)	362410	50.0000	52.3
67 Bromoform	173	8.101	8.101	(0.885)	78961	50.0000	45.3
68 Isopropylbenzene	105	8.241	8.241	(1.111)	540204	50.0000	56.4
69 trans-1,4-Dichloro-2-butene	53	8.499	8.499	(1.146)	30214	50.0000	42.0
142 n-amyl acetate	70	8.132	8.132	(1.096)	706	250.000	365
$ 70 4-Bromofluorobenzene	95	8.349	8.349	(1.125)	121635	50.0000	50.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
71 Bromobenzene	77	8.447	8.447	(1.139)	169579	50.0000	50.6
72 1,1,2,2-Tetrachloroethane	83	8.463	8.463	(0.925)	134339	50.0000	55.1
73 1,2,3-Trichloropropane	75	8.484	8.484	(0.927)	127008	50.0000	50.8
74 n-Propylbenzene	91	8.535	8.535	(0.933)	545845	50.0000	57.5
75 2-Chlorotoluene	91	8.592	8.592	(0.939)	317550	50.0000	56.0
77 1,3,5-Trimethylbenzene	105	8.665	8.665	(0.947)	380784	50.0000	59.8
76 4-Chlorotoluene	126	8.592	8.592	(0.939)	137442	50.0000	57.1
78 tert-Butylbenzene	119	8.887	8.887	(0.971)	491461	50.0000	60.4
79 1,2,4-Trimethylbenzene	105	8.918	8.918	(0.975)	375375	50.0000	59.3
80 sec-Butylbenzene	105	9.037	9.037	(0.988)	525350	50.0000	58.1
81 1,3-Dichlorobenzene	146	9.109	9.109	(0.995)	248016	50.0000	52.7
83 p-Isopropyltoluene	119	9.135	9.135	(0.998)	433061	50.0000	57.5
* 82 1,4-Dichlorobenzene-d4	152	9.150	9.150	(1.000)	138311	50.0000	
84 1,4-Dichlorobenzene	146	9.166	9.166	(1.002)	247787	50.0000	52.0
86 n-Butylbenzene	91	9.398	9.398	(1.027)	318219	50.0000	56.8
85 1,2-Dichlorobenzene	146	9.414	9.414	(1.029)	231461	50.0000	53.1
87 1,2-Dibromo-3-chloropropane	155	9.905	9.905	(1.082)	23452	50.0000	44.3
88 1,2,4-Trichlorobenzene	180	10.417	10.417	(1.138)	118451	50.0000	44.0
89 Hexachlorobutadiene	225	10.515	10.515	(1.149)	44491	50.0000	46.6
90 Naphthalene	128	10.567	10.567	(1.155)	329036	50.0000	46.3
91 1,2,3-Trichlorobenzene	180	10.417	10.417	(1.138)	118451	50.0000	44.0
92 2,methyl-naphthalene	142	11.249	11.249	(1.229)	51699	50.0000	32.6

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C01CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info:

Calibration Date: 09-APR-2009
Calibration Time: 11:36
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	366361	17.60
59 Chlorobenzene-d5	282684	141342	565368	310369	9.79
82 1,4-Dichlorobenze	140868	70434	281736	138311	-1.82

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.19	0.11
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.06
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.05

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 09-APR-2009 23:56
Lab File ID: C01CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	50.00000	38.25897	0.27890	0.000	-23.48205	0.000e+000	Linear
2 Chloromethane	0.54079	0.50403	0.50403	0.000	-6.79723	20.00000	Averaged
3 Vinyl Chloride	0.39626	0.38012	0.38012	0.000	-4.07397	20.00000	Averaged
4 Bromomethane	50.00000	30.69172	0.10704	0.000	-38.61656	0.000e+000	Quadratic
5 Chloroethane	50.00000	46.97821	0.15707	0.000	-6.04358	0.000e+000	Linear
6 Trichlorofluoromethane	50.00000	53.04673	0.29607	0.000	6.09345	0.000e+000	Linear
28 1,2-dichlorotrifluoroethane	50.00000	49.45878	0.29310	0.000	-1.08245	0.000e+000	Quadratic
7 Diethyl ether	50.00000	44.23754	0.12158	0.000	-11.52493	0.000e+000	Quadratic
17 tert-Butyl Alcohol	100	106	0.10417	0.000	5.56454	0.000e+000	Linear
8 Acrolein	1000	895	0.04064	0.000	-10.46533	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	50.00000	50.10811	0.21455	0.000	0.21622	0.000e+000	Linear
9 1,1-Dichloroethene	50.00000	47.57689	0.19997	0.000	-4.84621	0.000e+000	Linear
11 Acetone	250	218	0.07448	0.000	-12.61549	0.000e+000	Quadratic
12 Iodomethane	100	106	0.43343	0.000	5.68464	0.000e+000	Quadratic
13 Carbon Disulfide	100	83.69845	0.62185	0.000	-16.30155	0.000e+000	Linear
14 allyl chloride	100	96.93857	0.44470	0.000	-3.06143	0.000e+000	Linear
145 Acetonitrile	1000	1363	0.00005	0.000	36.30457	0.000e+000	Linear
138 Methyl Acetate	50.00000	49.79188	0.26496	0.000	-0.41624	0.000e+000	Linear
15 Methylene Chloride	50.00000	46.36266	0.22961	0.000	-7.27467	0.000e+000	Linear
16 Acrylonitrile	1000	1014	0.12025	0.000	1.38510	0.000e+000	Linear
19 Methyl-tert-butyl ether	0.63149	0.56433	0.56433	0.000	-10.63392	20.00000	Averaged
18 1,2-Dichloroethene (trans)	50.00000	49.38937	0.24993	0.000	-1.22126	0.000e+000	Linear
20 n-Hexane	50.00000	40.50478	0.35160	0.000	-18.99045	0.000e+000	Linear
21 1,1-Dichloroethane	0.51929	0.49958	0.49958	0.000	-3.79501	20.00000	Averaged
23 Vinyl Acetate	0.77185	0.70396	0.70396	0.000	-8.79476	20.00000	Averaged
140 Ethyl acetate	500	483	0.02578	0.000	-3.34183	0.000e+000	Linear
147 Chloroprene	50.00000	47.75149	0.42345	0.000	-4.49703	0.000e+000	Linear
24 2,2-Dichloropropane	50.00000	40.20649	0.25179	0.000	-19.58701	0.000e+000	Linear
25 1,2-Dichloroethene (cis)	0.32864	0.34098	0.34098	0.000	3.75424	20.00000	Averaged
26 2-Butanone	0.17359	0.16672	0.16672	0.000	-3.95947	20.00000	Averaged
27 Propionitrile	0.05671	0.05596	0.05596	0.000	-1.33689	20.00000	Averaged
29 Bromochloromethane	0.30894	0.33403	0.33403	0.000	8.12068	20.00000	Averaged
146 Methacrylonitrile	250	211	0.06561	0.000	-15.62939	0.000e+000	Linear
31 Chloroform	0.41362	0.43773	0.43773	0.000	5.83042	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.25888	0.27248	0.27248	0.000	5.25390	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	48.71840	0.33275	0.000	-2.56321	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	27.03666	0.20010	0.000	-45.92669	0.000e+000	Linear
34 cyclohexane	50.00000	44.91130	0.51307	0.000	-10.17740	0.000e+000	Linear
37 Isobutyl alcohol	50.00000	24.89114	0.04126	0.000	-50.21772	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	49.90715	0.29779	0.000	-0.18571	0.000e+000	Linear
36 1,1-Dichloropropene	50.00000	47.01305	0.32727	0.000	-5.97391	0.000e+000	Linear
38 Benzene	1.14033	1.06187	1.06187	0.000	-6.88088	20.00000	Averaged

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i
Lab File ID: C01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m

Injection Date: 09-APR-2009 23:56
Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Init. Cal. Times: 18:31 22:26
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 isopropyl acetate	++++	++++	++++	0.000	++++	0.000e+000	Linear	<-
39 1,2-Dichloroethane	50.00000	48.48290	0.28042	0.000	-3.03421	0.000e+000	Linear	
41 Trichloroethene	50.00000	50.20165	0.29856	0.000	0.40330	0.000e+000	Linear	
139 Methylcyclohexane	50.00000	45.94057	0.40398	0.000	-8.11885	0.000e+000	Linear	
42 1,2-Dichloropropane	50.00000	48.32061	0.29970	0.000	-3.35878	0.000e+000	Linear	
43 Dibromomethane	50.00000	48.46761	0.18419	0.000	-3.06479	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	44.21184	0.21564	0.000	-11.57631	0.000e+000	Linear	
143 2,2,4-Trimethylpentane	50.00000	41.52850	0.79567	0.000	-16.94301	0.000e+000	Linear	
144 1,4-Dioxane	++++	++++	++++	0.000	++++	0.000e+000	Linear	<-
45 Bromodichloromethane	50.00000	48.17992	0.34413	0.000	-3.64016	0.000e+000	Linear	
46 2-Chloroethyl vinyl ether	50.00000	48.22157	0.55586	0.000	-3.55687	0.000e+000	Linear	
47 cis-1,3-Dichloropropene	0.50495	0.50125	0.50125	0.000	-0.73086	20.00000	Averaged	
48 4-Methyl-2-Pentanone	0.40608	0.40803	0.40803	0.000	0.48042	20.00000	Averaged	
$ 49 Toluene-d8	0.98590	1.05099	1.05099	0.000	6.60146	20.00000	Averaged	
50 Toluene	1.35742	1.40197	1.40197	0.000	3.28195	20.00000	Averaged	
51 trans-1,3-Dichloropropene	0.42553	0.41965	0.41965	0.000	-1.38094	20.00000	Averaged	
52 Ethyl Methacrylate	50.00000	46.88688	0.47787	0.000	-6.22624	0.000e+000	Linear	
53 1,1,2-Trichloroethane	50.00000	50.76796	0.25560	0.000	1.53592	0.000e+000	Linear	
54 Tetrachloroethene	50.00000	49.04681	0.47591	0.000	-1.90638	0.000e+000	Quadratic	
55 1,3-Dichloropropane	0.51402	0.51965	0.51965	0.000	1.09376	20.00000	Averaged	
56 2-Hexanone	0.26691	0.27842	0.27842	0.000	4.31230	20.00000	Averaged	
57 Dibromochloromethane	50.00000	51.06404	0.40590	0.000	2.12809	0.000e+000	Linear	
58 1,2-Dibromoethane	0.36602	0.38365	0.38365	0.000	4.81794	20.00000	Averaged	
60 Chlorobenzene	1.06445	1.10036	1.10036	0.000	3.37324	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	53.67343	0.40780	0.000	7.34687	0.000e+000	Linear	
62 Ethylbenzene	0.50063	0.56852	0.56852	0.000	13.56010	20.00000	Averaged	
63 m&p-Xylene	0.66659	0.70418	0.70418	0.000	5.63942	20.00000	Averaged	
65 o-Xylene	0.66344	0.72217	0.72217	0.000	8.85256	20.00000	Averaged	
66 Styrene	1.11542	1.16767	1.16767	0.000	4.68431	20.00000	Averaged	
67 Bromoform	50.00000	45.29449	0.57089	0.000	-9.41102	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	56.43852	1.74052	0.000	12.87703	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	41.96025	0.09735	0.000	-16.07951	0.000e+000	Linear	
142 n-amyl acetate	250	365	0.00045	0.000	46.04890	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.38751	0.39190	0.39190	0.000	1.13386	20.00000	Averaged	
71 Bromobenzene	50.00000	50.56817	0.54638	0.000	1.13634	0.000e+000	Linear	
72 1,1,2,2-Tetrachloroethane	0.88073	0.97128	0.97128	0.000	10.28158	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.90287	0.91828	0.91828	0.000	1.70699	20.00000	Averaged	
74 n-Propylbenzene	50.00000	57.48112	3.94650	0.000	14.96224	0.000e+000	Linear	
75 2-Chlorotoluene	50.00000	55.99629	2.29591	0.000	11.99258	0.000e+000	Linear	
77 1,3,5-Trimethylbenzene	50.00000	59.78101	2.75310	0.000	19.56202	0.000e+000	Linear	
76 4-Chlorotoluene	0.87050	0.99372	0.99372	0.000	14.15420	20.00000	Averaged	
78 tert-Butylbenzene	50.00000	60.44819	3.55330	0.000	20.89637	0.000e+000	Linear	
79 1,2,4-Trimethylbenzene	50.00000	59.34653	2.71399	0.000	18.69306	0.000e+000	Linear	

Pace Analytical Services, Inc.

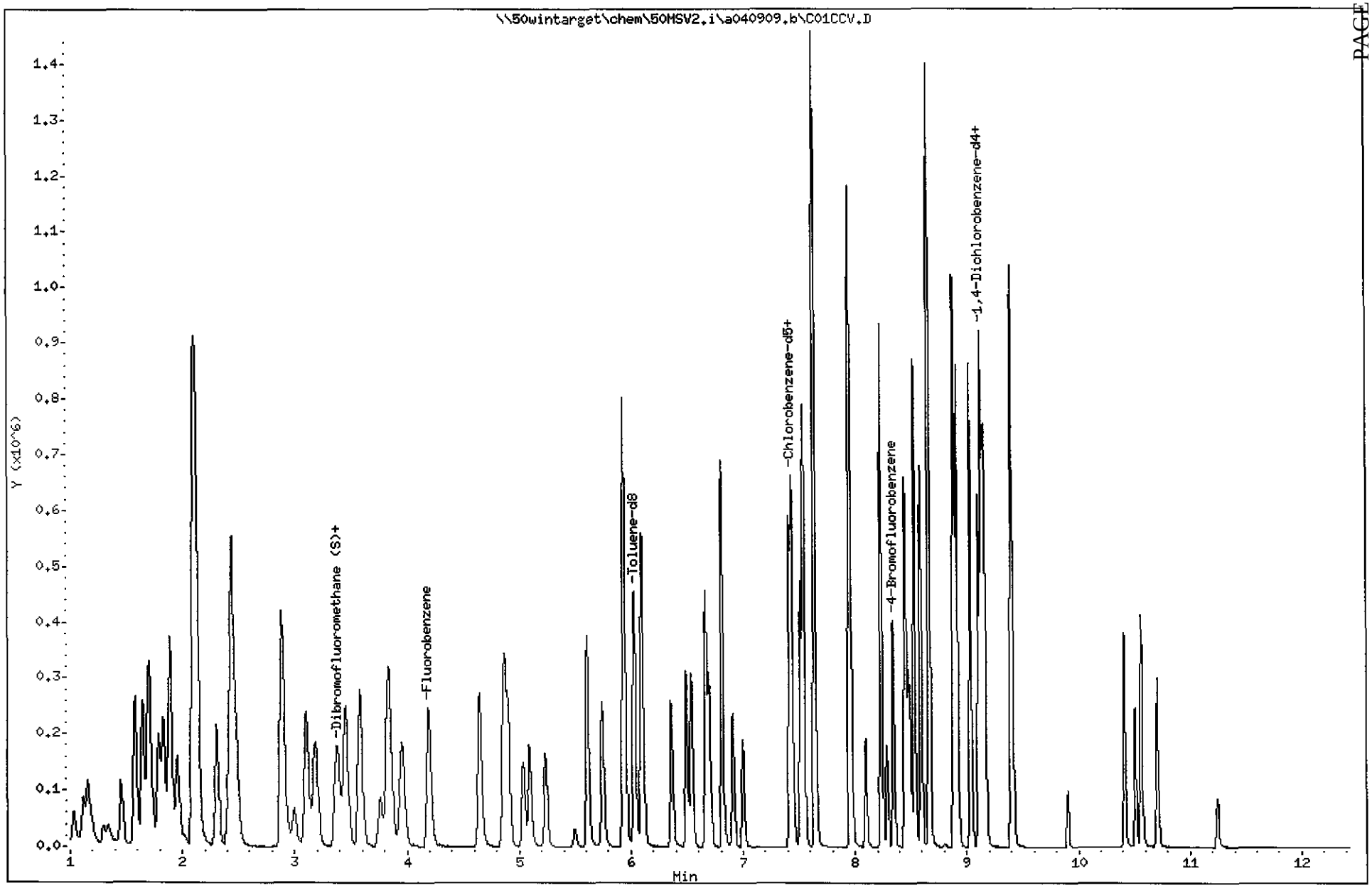
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 09-APR-2009 23:56
Lab File ID: C01CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
80 sec-Butylbenzene	50.00000	58.11828	3.79832	0.000	16.23656	0.000e+000	Linear
81 1,3-Dichlorobenzene	50.00000	52.67529	1.79318	0.000	5.35058	0.000e+000	Linear
83 p-Isopropyltoluene	50.00000	57.54950	3.13107	0.000	15.09900	0.000e+000	Linear
84 1,4-Dichlorobenzene	50.00000	52.04757	1.79152	0.000	4.09513	0.000e+000	Linear
86 n-Butylbenzene	50.00000	56.78947	2.30075	0.000	13.57895	0.000e+000	Linear
85 1,2-Dichlorobenzene	50.00000	53.07633	1.67348	0.000	6.15265	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	44.28952	0.16956	0.000	-11.42096	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	43.97634	0.85641	0.000	-12.04731	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	46.60482	0.32167	0.000	-6.79035	0.000e+000	Linear
90 Naphthalene	50.00000	46.32781	2.37896	0.000	-7.34439	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	43.97250	0.85641	0.000	-12.05500	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	32.61349	0.37379	0.000	-34.77303	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C01CCV.D
Date : 09-APR-2009 23:56
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



5A

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

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041009.B

Lab File ID: A00BFB BFB Injection Date: 04/10/09

Instrument ID: 50MSV2 BFB Injection Time: 1209

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	33.6
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	86.4
175	5.0 - 9.0% of mass 174	6.6 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.5 (96.7)1
177	5.0 - 9.0% of mass 176	5.5 (6.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	A01CCV	04/10/09	1243
02	LCS	286316	A02LCS	04/10/09	1317
03	MB	286315	A03MB	04/10/09	1350
04	55003	5025055003	A04	04/10/09	1424
05	MS50003	286314	A05	04/10/09	1458
06	55006	5025055006	A06	04/10/09	1531
07	55015	5025055015	A07	04/10/09	1605
08	55018	5025055018	A08	04/10/09	1638
09	55019	5025055019	A09	04/10/09	1712
10	55021	5025055021	A10	04/10/09	1746
11	02013	5025102013	A11	04/10/09	1820
12	02013	5025102013	A12	04/10/09	1853
13	02014	5025102014	A13	04/10/09	1927
14	02015	5025102015	A14	04/10/09	2001
15	02015	5025102015	A15	04/10/09	2034
16	02016	5025102016	A16	04/10/09	2108
17	02016	5025102016	A17	04/10/09	2142
18	02017	5025102017	A18	04/10/09	2216
19	47009	5024847009	A19	04/10/09	2250
20	00001	5024900001	A20	04/10/09	2324
21	00002	5024900002	A21	04/10/09	2358
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041009.B

Instrument ID: 50MSV2 Calibration Date: 04/10/09 Time: 1243

Lab File ID: A01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
Bromochloromethane	55.908	50.000	AVRG	-11.82	
Chloromethane	48.510	50.000	AVRG	2.9800	
Bromomethane	34.043	50.000	2ORDR	31.914	<-
Vinyl Chloride	51.404	50.000	AVRG	-2.808	
Chloroethane	52.059	50.000	LINR	-4.118	
Methylene Chloride	47.928	50.000	LINR	4.1440	
1,1-Dichloroethene	47.426	50.000	LINR	5.1480	
1,1-Dichloroethane	48.269	50.000	AVRG	3.4620	
1,2-Dichloroethene (trans)	49.572	50.000	LINR	0.8560	
Chloroform	54.038	50.000	AVRG	-8.076	
1,2-Dichloroethane	50.794	50.000	LINR	-1.588	
1,1,1-Trichloroethane	49.164	50.000	LINR	1.6720	
Carbon Tetrachloride	50.922	50.000	LINR	-1.844	
Bromodichloromethane	49.360	50.000	LINR	1.2800	
1,2-Dichloropropane	50.930	50.000	LINR	-1.860	
trans-1,3-Dichloropropene	51.639	50.000	AVRG	-3.278	
Trichloroethene	51.050	50.000	LINR	-2.100	
Dibromochloromethane	51.246	50.000	LINR	-2.492	
1,1,2-Trichloroethane	52.672	50.000	LINR	-5.344	
Benzene	47.387	50.000	AVRG	5.2260	
cis-1,3-Dichloropropene	51.004	50.000	AVRG	-2.008	
Bromoform	47.096	50.000	LINR	5.8080	
Tetrachloroethene	50.059	50.000	2ORDR	-0.118	
1,1,2,2-Tetrachloroethane	57.157	50.000	AVRG	-14.31	
Toluene	52.206	50.000	AVRG	-4.412	
Chlorobenzene	52.215	50.000	AVRG	-4.430	
Ethylbenzene	57.294	50.000	AVRG	-14.59	
Styrene	52.922	50.000	AVRG	-5.844	
Trichlorofluoromethane	55.071	50.000	LINR	-10.14	
m&p-Xylene	106.91	100.00	AVRG	-6.910	
1,2-Dichloroethene (cis)	53.439	50.000	AVRG	-6.878	
o-Xylene	55.112	50.000	AVRG	-10.22	
1,2,3-Trichloropropane	54.184	50.000	AVRG	-8.368	
1,3-Dichlorobenzene	55.707	50.000	LINR	-11.41	
1,4-Dichlorobenzene	54.773	50.000	LINR	-9.546	
Dibromomethane	49.361	50.000	LINR	1.2780	
1,2-Dichlorobenzene	55.711	50.000	LINR	-11.42	
Dichlorodifluoromethane	41.110	50.000	LINR	17.780	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041009.B

Instrument ID: 50MSV2 Calibration Date: 04/10/09 Time: 1243

Lab File ID: A01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
2,2-Dichloropropane	49.814	50.000	LINR	0.3720	
1,1-Dichloropropene	47.880	50.000	LINR	4.2400	
1,3-Dichloropropane	51.723	50.000	AVRG	-3.446	
1,2-Dibromoethane	53.721	50.000	AVRG	-7.442	
1,1,1,2-Tetrachloroethane	53.868	50.000	LINR	-7.736	
Isopropylbenzene	57.410	50.000	LINR	-14.82	
Bromobenzene	63.461	50.000	LINR	-26.92	<-
n-Propylbenzene	60.284	50.000	LINR	-20.57	<-
2-Chlorotoluene	58.523	50.000	LINR	-17.05	
4-Chlorotoluene	59.613	50.000	AVRG	-19.23	
1,3,5-Trimethylbenzene	62.277	50.000	LINR	-24.55	<-
tert-Butylbenzene	62.029	50.000	LINR	-24.06	<-
1,2,4-Trimethylbenzene	60.506	50.000	LINR	-21.01	<-
sec-Butylbenzene	60.414	50.000	LINR	-20.83	<-
p-Isopropyltoluene	60.172	50.000	LINR	-20.34	<-
n-Butylbenzene	60.079	50.000	LINR	-20.16	<-
1,2-Dibromo-3-chloropropane	46.319	50.000	LINR	7.3620	
1,2,4-Trichlorobenzene	47.217	50.000	LINR	5.5660	
Hexachlorobutadiene	48.690	50.000	LINR	2.6200	
Naphthalene	49.449	50.000	LINR	1.1020	
1,2,3-Trichlorobenzene	47.211	50.000	LINR	5.5780	
Acrolein	931.78	1000.0	LINR	6.8220	
Carbon Disulfide	84.582	100.00	LINR	15.418	
Acetone	227.71	250.00	2ORDR	8.9160	
Acrylonitrile	1023.6	1000.0	LINR	-2.360	
Vinyl Acetate	185.52	200.00	AVRG	7.2400	
2-Butanone	245.33	250.00	AVRG	1.8680	
2-Chloroethyl vinyl ether	48.095	50.000	LINR	3.8100	
4-Methyl-2-Pentanone	254.45	250.00	AVRG	-1.780	
2-Hexanone	268.02	250.00	AVRG	-7.208	
Methyl-tert-butyl ether	91.444	100.00	AVRG	8.5560	
Iodomethane	100.21	100.00	2ORDR	-0.210	
trans-1,4-Dichloro-2-butene	46.053	50.000	LINR	7.8940	
Ethyl Methacrylate	47.701	50.000	LINR	4.5980	
2,methyl-naphthalene	35.028	50.000	LINR	29.944	<-
n-Hexane	44.304	50.000	LINR	11.392	
cyclohexane	44.832	50.000	LINR	10.336	
1,1,2trichlorotrifluoroetha	49.779	50.000	LINR	0.4420	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041009.B

Instrument ID: 50MSV2 Calibration Date: 04/10/09 Time: 1243

Lab File ID: A01CCV Init. Calib. Date(s): 03/30/09

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

Min RRF50 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 25.0%

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	
1,2-dichlorotrifluoroethane	49.525	50.000	2ORDR	0.9500	
Tetrahydrofuran	24.570	50.000	LINR	50.860	<-
allyl chloride	100.04	100.00	LINR	++++++	
Diethyl ether	44.495	50.000	2ORDR	11.010	
Isobutyl alcohol	26.676	50.000	LINR	46.648	<-
Methyl methacrylate	44.695	50.000	LINR	10.610	
Propionitrile	49.302	50.000	AVRG	1.3960	
tert-Butyl Alcohol	106.34	100.00	LINR	-6.340	
Methyl Acetate	51.839	50.000	LINR	-3.678	
Methylcyclohexane	47.199	50.000	LINR	5.6020	
Ethyl acetate	474.65	500.00	LINR	5.0700	
isopropyl acetate	272.57	250.00	LINR	-9.028	
n-amyl acetate	8223.1	250.00	LINR	-3189	<-
2,2,4-Trimethylpentane	46.332	50.000	LINR	7.3360	
1,4-Dioxane	1691.1	1000.0	LINR	-69.11	<-
Acetonitrile	1384.8	1000.0	LINR	-38.48	<-
Methacrylonitrile	211.08	250.00	LINR	15.568	
Chloroprene	48.186	50.000	LINR	3.6280	
Toluene-d8	51.851	50.000	AVRG	-3.702	
4-Bromofluorobenzene	50.271	50.000	AVRG	-0.542	
Dibromofluoromethane (S)	52.824	50.000	AVRG	-5.648	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A00BFB.D

Date : 10-APR-2009 12:09

Client ID: bfb050

Instrument: 50MSV2.i

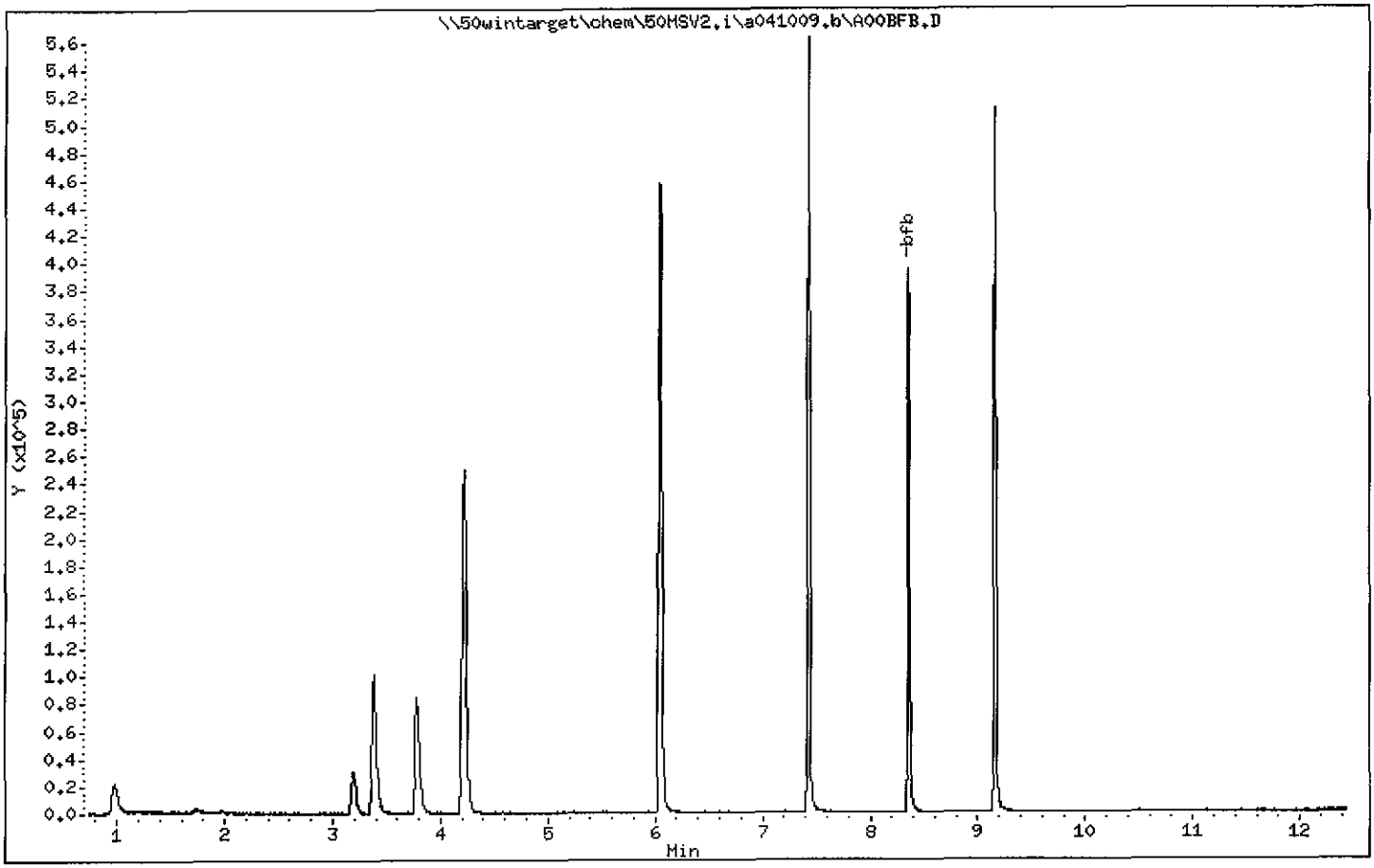
Sample Info: bfb

Volume Injected (uL): 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



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Date : 10-APR-2009 12:09

Client ID: bfb050

Instrument: 50MSV2.i

Sample Info: bfb

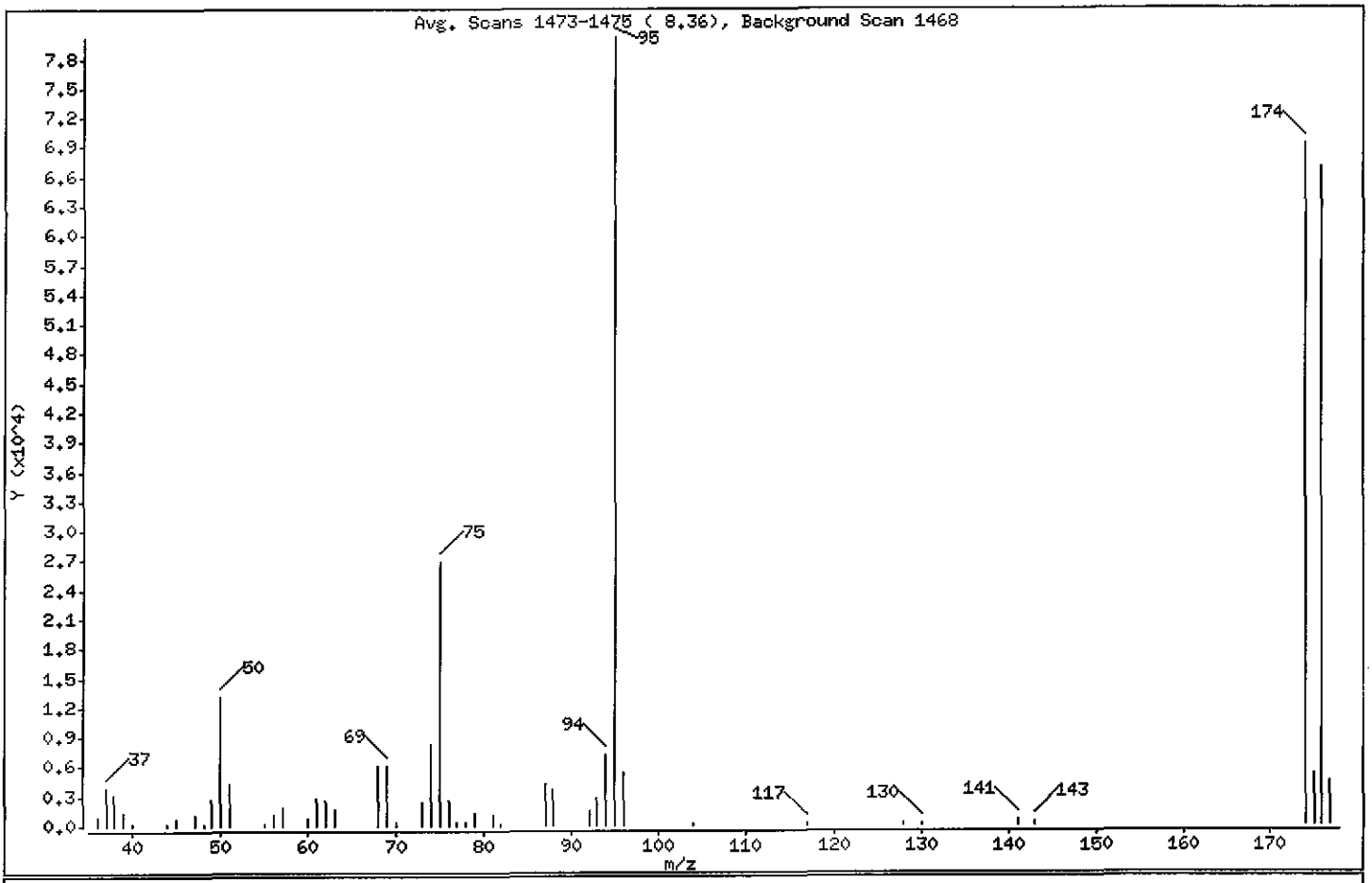
Volume Injected (uL): 5.0

Operator: amv

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	16.41
75	30.00 - 60.00% of mass 95	33.58
96	5.00 - 9.00% of mass 95	6.74
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	86.37
175	5.00 - 9.00% of mass 174	6.55 (7.58)
176	95.00 - 101.00% of mass 174	83.53 (96.72)
177	5.00 - 9.00% of mass 176	5.53 (6.62)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A00BFB.D

Date : 10-APR-2009 12:09

Client ID: bfb050 | Instrument: 50MSV2.i

Sample Info: bfb

Volume Injected (uL): 5.0 | Operator: amv

Column phase: DB-624 | Column diameter: 0.18

Data File: A00BFB.D

Spectrum: Avg. Scans 1473-1475 (8.36), Background Scan 1468

Location of Maximum: 95.00

Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	858	56.00	1036	77.00	402	117.00	164
37.00	3933	57.00	1772	78.00	277	128.00	124
38.00	3052	60.00	653	79.00	1344	130.00	131
39.00	1262	61.00	2717	81.00	1159	141.00	484
40.00	140	62.00	2497	82.00	140	143.00	337
44.00	192	63.00	1658	87.00	4210	174.00	69200
45.00	683	68.00	6100	88.00	3723	175.00	5248
47.00	1193	69.00	6116	92.00	1562	176.00	66928
48.00	271	70.00	400	93.00	2721	177.00	4433
49.00	2804	73.00	2362	94.00	7273		
50.00	13150	74.00	8241	95.00	80120		
51.00	4234	75.00	26904	96.00	5400		
55.00	129	76.00	2507	104.00	116		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A01CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 10-APR-2009 12:43
Operator : amv Inst ID: 50MSV2.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50QAO-ZDS

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	1.041	1.033	(0.247)	107702	50.0000	41.1
2 Chloromethane	50	1.124	1.121	(0.267)	186614	50.0000	48.5
3 Vinyl Chloride	62	1.165	1.162	(0.277)	144899	50.0000	51.4
4 Bromomethane	94	1.305	1.291	(0.310)	40678	50.0000	34.0
5 Chloroethane	64	1.356	1.348	(0.322)	61735	50.0000	52.0
6 Trichlorofluoromethane	101	1.465	1.457	(0.348)	109214	50.0000	55.1
28 1,2-dichlorotrifluoroethane	67	1.589	1.575	(0.377)	104383	50.0000	49.5
7 Diethyl ether	74	1.594	1.586	(0.378)	43483	50.0000	44.5
17 tert-Butyl Alcohol	59	1.594	1.586	(0.378)	74603	100.000	106
8 Acrolein	56	1.656	1.648	(0.393)	301095	1000.00	932
10 1,1,2trichlorotrifluoroethane	101	1.708	1.694	(0.405)	75816	50.0000	49.8
9 1,1-Dichloroethene	96	1.718	1.705	(0.408)	70905	50.0000	47.4
11 Acetone	43	1.734	1.725	(0.411)	137651	250.000	228
12 Iodomethane	142	1.801	1.793	(0.427)	292380	100.000	100
13 Carbon Disulfide	76	1.847	1.834	(0.438)	447148	100.000	84.6
14 allyl chloride	41	1.904	1.891	(0.452)	326337	100.000	100
145 Acetonitrile	41	1.212	1.203	(0.288)	372	1000.00	1380
138 Methyl Acetate	43	1.909	1.896	(0.453)	98217	50.0000	51.8
15 Methylene Chloride	84	1.971	1.958	(0.468)	84483	50.0000	47.9
16 Acrylonitrile	53	2.111	2.097	(0.501)	863030	1000.00	1020
19 Methyl-tert-butyl ether	73	2.142	2.128	(0.508)	410775	100.000	91.4
18 1,2-Dichloroethene (trans)	96	2.142	2.128	(0.508)	89229	50.0000	49.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	20 n-Hexane	57	2.323	2.304	(0.551)	137332	50.0000	44.3
	21 1,1-Dichloroethane	63	2.426	2.408	(0.576)	178305	50.0000	48.3
	23 Vinyl Acetate	43	2.452	2.439	(0.582)	1018582	200.000	186
	140 Ethyl acetate	88	2.493	2.480	(0.592)	89908	500.000	475
	147 Chloroprene	53	2.499	2.480	(0.593)	152059	50.0000	48.2
	24 2,2-Dichloropropane	77	2.896	2.883	(0.687)	109817	50.0000	49.8
	25 1,2-Dichloroethene (cis)	96	2.902	2.878	(0.689)	124928	50.0000	53.4
	26 2-Butanone	43	2.912	2.893	(0.691)	302942	250.000	245
	27 Propionitrile	54	2.969	2.950	(0.704)	19890	50.0000	49.3
	29 Bromochloromethane	49	3.119	3.100	(0.740)	122866	50.0000	55.9
	146 Methacrylonitrile	41	3.108	3.090	(0.738)	116755	250.000	211
	31 Chloroform	83	3.207	3.188	(0.761)	158994	50.0000	54.0
$	32 Dibromofluoromethane (S)	113	3.382	3.359	(0.803)	97278	50.0000	52.8
	33 1,1,1-Trichloroethane	97	3.408	3.384	(0.809)	119532	50.0000	49.2
	30 Tetrahydrofuran	42	3.186	3.167	(0.756)	69106	50.0000	24.6
	34 cyclohexane	56	3.475	3.446	(0.825)	182137	50.0000	44.8
	37 Isobutyl alcohol	43	3.181	3.167	(0.755)	14999	50.0000	26.7
	35 Carbon Tetrachloride	117	3.599	3.576	(0.854)	108250	50.0000	50.9
	36 1,1-Dichloropropene	75	3.599	3.576	(0.854)	118683	50.0000	47.9
	38 Benzene	78	3.853	3.829	(0.914)	384393	50.0000	47.4
	141 isopropyl acetate	61	3.873	3.873	(0.919)	16079	250.000	272
	39 1,2-Dichloroethane	62	3.873	3.850	(0.919)	104630	50.0000	50.8
*	40 Fluorobenzene	96	4.214	4.191	(1.000)	355675	50.0000	
	41 Trichloroethene	95	4.664	4.640	(1.107)	108095	50.0000	51.0
	139 Methylcyclohexane	55	4.886	4.857	(1.159)	147827	50.0000	47.2
	42 1,2-Dichloropropane	63	4.923	4.899	(1.168)	112740	50.0000	50.9
	43 Dibromomethane	93	5.052	5.028	(1.199)	66781	50.0000	49.4
	44 Methyl methacrylate	69	5.109	5.085	(1.212)	77580	50.0000	44.7
	143 2,2,4-Trimethylpentane	57	3.982	3.948	(0.945)	318178	50.0000	46.3
	144 1,4-Dioxane	88	5.119	5.095	(1.215)	290	1000.00	1690
	45 Bromodichloromethane	83	5.253	5.230	(1.246)	125591	50.0000	49.4
	46 2-Chloroethyl vinyl ether	63	5.625	5.607	(0.757)	170333	50.0000	48.1
	47 cis-1,3-Dichloropropene	75	5.760	5.741	(0.775)	158274	50.0000	51.0
	48 4-Methyl-2-Pentanone	43	5.951	5.932	(0.801)	635019	250.000	254
$	49 Toluene-d8	98	6.044	6.026	(0.814)	314162	50.0000	51.8
	50 Toluene	91	6.116	6.098	(0.823)	435511	50.0000	52.2
	51 trans-1,3-Dichloropropene	75	6.375	6.356	(0.858)	135041	50.0000	51.6
	52 Ethyl Methacrylate	69	6.504	6.491	(0.875)	149543	50.0000	47.7
	53 1,1,2-Trichloroethane	83	6.551	6.537	(0.882)	81622	50.0000	52.7
	54 Tetrachloroethene	166	6.680	6.666	(0.899)	149185	50.0000	50.0
	55 1,3-Dichloropropane	76	6.711	6.692	(0.903)	163391	50.0000	51.7
	56 2-Hexanone	43	6.825	6.806	(0.919)	439627	250.000	268
	57 Dibromochloromethane	129	6.923	6.904	(0.932)	125199	50.0000	51.2
	58 1,2-Dibromoethane	107	7.011	6.992	(0.944)	120840	50.0000	53.7
*	59 Chlorobenzene-d5	117	7.429	7.411	(1.000)	307278	50.0000	
	60 Chlorobenzene	112	7.450	7.437	(1.003)	341570	50.0000	52.2
	61 1,1,1,2-Tetrachloroethane	131	7.527	7.514	(1.013)	125783	50.0000	53.9
	62 Ethylbenzene	106	7.553	7.540	(1.017)	176273	50.0000	57.3
	63 m&p-Xylene	106	7.651	7.638	(1.030)	437979	100.000	107
	65 o-Xylene	106	7.962	7.948	(1.072)	224700	50.0000	55.1
	66 Styrene	104	7.977	7.964	(1.074)	362776	50.0000	52.9
	67 Bromoform	173	8.106	8.093	(0.885)	79766	50.0000	47.1
	68 Isopropylbenzene	105	8.246	8.232	(1.110)	543990	50.0000	57.4
	69 trans-1,4-Dichloro-2-butene	53	8.509	8.496	(1.145)	33030	50.0000	46.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
142 n-amyl acetate	70	8.142	8.129	(1.096)	13087	250.000	8220
$ 70 4-Bromofluorobenzene	95	8.354	8.341	(1.125)	119718	50.0000	50.3
71 Bromobenzene	77	8.458	8.444	(1.138)	211800	50.0000	63.5
72 1,1,2,2-Tetrachloroethane	83	8.468	8.455	(0.924)	134533	50.0000	57.2
73 1,2,3-Trichloropropane	75	8.494	8.481	(0.927)	130741	50.0000	54.2
74 n-Propylbenzene	91	8.546	8.532	(0.933)	554162	50.0000	60.3
75 2-Chlorotoluene	91	8.602	8.589	(0.939)	321420	50.0000	58.5
77 1,3,5-Trimethylbenzene	105	8.670	8.656	(0.946)	383486	50.0000	62.3
76 4-Chlorotoluene	126	8.602	8.589	(0.939)	138686	50.0000	59.6
78 tert-Butylbenzene	119	8.897	8.884	(0.971)	487485	50.0000	62.0
79 1,2,4-Trimethylbenzene	105	8.928	8.915	(0.975)	369938	50.0000	60.5
80 sec-Butylbenzene	105	9.042	9.028	(0.987)	528323	50.0000	60.4
81 1,3-Dichlorobenzene	146	9.114	9.101	(0.995)	254195	50.0000	55.7
83 p-Isopropyltoluene	119	9.140	9.127	(0.998)	438020	50.0000	60.2
* 82 1,4-Dichlorobenzene-d4	152	9.161	9.147	(1.000)	133625	50.0000	
84 1,4-Dichlorobenzene	146	9.176	9.163	(1.002)	252616	50.0000	54.8
86 n-Butylbenzene	91	9.404	9.395	(1.027)	325732	50.0000	60.1
85 1,2-Dichlorobenzene	146	9.419	9.406	(1.028)	235228	50.0000	55.7
87 1,2-Dibromo-3-chloropropane	155	9.910	9.897	(1.082)	23940	50.0000	46.3
88 1,2,4-Trichlorobenzene	180	10.422	10.408	(1.138)	124018	50.0000	47.2
89 Hexachlorobutadiene	225	10.520	10.507	(1.148)	45147	50.0000	48.7
90 Naphthalene	128	10.572	10.558	(1.154)	341376	50.0000	49.4
91 1,2,3-Trichlorobenzene	180	10.422	10.408	(1.138)	124018	50.0000	47.2
92 2,methyl-naphthalene	142	11.254	11.241	(1.228)	59360	50.0000	35.0

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A01CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info:

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	355675	14.17
59 Chlorobenzene-d5	282684	141342	565368	307278	8.70
82 1,4-Dichlorobenze	140868	70434	281736	133625	-5.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.61
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.20
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.16

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i Injection Date: 10-APR-2009 12:43
Lab File ID: A01CCV.D Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Analysis Type: WATER Init. Cal. Times: 18:31 22:26
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	50.00000	41.11015	0.30281	0.000	-17.77970	0.000e+000	Linear
2 Chloromethane	0.54079	0.52468	✓ 0.52468	0.000	-2.97958	20.00000	Averaged
3 Vinyl Chloride	0.39626	0.40739	0.40739	0.000	2.80832	20.00000	Averaged
4 Bromomethane	50.00000	34.04324	0.11437	0.000	-31.91353	0.000e+000	Quadratic
5 Chloroethane	50.00000	52.05858	0.17357	0.000	4.11716	0.000e+000	Linear
6 Trichlorofluoromethane	50.00000	55.07128	0.30706	0.000	10.14256	0.000e+000	Linear
28 1,2-dichlorotrifluoroethane	50.00000	49.52549	0.29348	0.000	-0.94902	0.000e+000	Quadratic
7 Diethyl ether	50.00000	44.49459	0.12225	0.000	-11.01081	0.000e+000	Quadratic
17 tert-Butyl Alcohol	100	106	0.10488	0.000	6.34371	0.000e+000	Linear
8 Acrolein	1000	932	0.04233	0.000	-6.82225	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	50.00000	49.77854	0.21316	0.000	-0.44293	0.000e+000	Linear
9 1,1-Dichloroethene	50.00000	47.42560	0.19935	0.000	-5.14881	0.000e+000	Linear
11 Acetone	250	228	0.07740	0.000	-8.91760	0.000e+000	Quadratic
12 Iodomethane	100	100	0.41102	0.000	0.21373	0.000e+000	Quadratic
13 Carbon Disulfide	100	84.58172	0.62859	0.000	-15.41828	0.000e+000	Linear
14 allyl chloride	100	100	0.45876	0.000	0.03774	0.000e+000	Linear
145 Acetonitrile	1000	1385	0.00005	0.000	38.48247	0.000e+000	Linear
138 Methyl Acetate	50.00000	51.83883	0.27614	0.000	3.67767	0.000e+000	Linear
15 Methylene Chloride	50.00000	47.92763	0.23753	0.000	-4.14474	0.000e+000	Linear
16 Acrylonitrile	1000	1024	0.12132	0.000	2.35702	0.000e+000	Linear
19 Methyl-tert-butyl ether	0.63149	0.57746	✓ 0.57746	0.000	-8.55560	20.00000	Averaged
18 1,2-Dichloroethene (trans)	50.00000	49.57172	0.25087	0.000	-0.85657	0.000e+000	Linear
20 n-Hexane	50.00000	44.30382	0.38612	0.000	-11.39236	0.000e+000	Linear
21 1,1-Dichloroethane	0.51929	0.50131	✓ 0.50131	0.000	-3.46174	20.00000	Averaged
23 Vinyl Acetate	0.77185	0.71595	0.71595	0.000	-7.24180	20.00000	Averaged
140 Ethyl acetate	500	475	0.02528	0.000	-5.07018	0.000e+000	Linear
147 Chloroprene	50.00000	48.18607	0.42752	0.000	-3.62786	0.000e+000	Linear
24 2,2-Dichloropropane	50.00000	49.81361	0.30876	0.000	-0.37277	0.000e+000	Linear
25 1,2-Dichloroethene (cis)	0.32864	0.35124	0.35124	0.000	6.87745	20.00000	Averaged
26 2-Butanone	0.17359	0.17035	0.17035	0.000	-1.86795	20.00000	Averaged
27 Propionitrile	0.05671	0.05592	0.05592	0.000	-1.39667	20.00000	Averaged
29 Bromochloromethane	0.30894	0.34544	0.34544	0.000	11.81685	20.00000	Averaged
146 Methacrylonitrile	250	211	0.06565	0.000	-15.56673	0.000e+000	Linear
31 Chloroform	0.41362	0.44702	0.44702	0.000	8.07604	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.25888	0.27350	0.27350	0.000	5.64892	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	49.16440	0.33607	0.000	-1.67121	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	24.57013	0.19430	0.000	-50.85974	0.000e+000	Linear
34 cyclohexane	50.00000	44.83213	0.51209	0.000	-10.33574	0.000e+000	Linear
37 Isobutyl alcohol	50.00000	26.67579	0.04217	0.000	-46.64843	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	50.92234	0.30435	0.000	1.84467	0.000e+000	Linear
36 1,1-Dichloropropene	50.00000	47.88019	0.33368	0.000	-4.23962	0.000e+000	Linear
38 Benzene	1.14033	1.08074	✓ 1.08074	0.000	-5.22548	20.00000	Averaged

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV2.i
Lab File ID: A01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m

Injection Date: 10-APR-2009 12:43
Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Init. Cal. Times: 18:31 22:26
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 isopropyl acetate	250	273	0.00904	0.000	9.02617	0.000e+000	Linear
39 1,2-Dichloroethane	50.00000	50.79420	0.29417	0.000	1.58840	0.000e+000	Linear
41 Trichloroethene	50.00000	51.05011	0.30392	0.000	2.10023	0.000e+000	Linear
139 Methylcyclohexane	50.00000	47.19883	0.41562	0.000	-5.60234	0.000e+000	Linear
42 1,2-Dichloropropane	50.00000	50.93003	0.31697	0.000	1.86007	0.000e+000	Linear
43 Dibromomethane	50.00000	49.36117	0.18776	0.000	-1.27766	0.000e+000	Linear
44 Methyl methacrylate	50.00000	44.69518	0.21812	0.000	-10.60963	0.000e+000	Linear
143 2,2,4-Trimethylpentane	50.00000	46.33197	0.89458	0.000	-7.33606	0.000e+000	Linear
144 1,4-Dioxane	1000	1691	0.00004	0.000	69.11208	0.000e+000	Linear
45 Bromodichloromethane	50.00000	49.36041	0.35311	0.000	-1.27919	0.000e+000	Linear
46 2-Chloroethyl vinyl ether	50.00000	48.09474	0.55433	0.000	-3.81051	0.000e+000	Linear
47 cis-1,3-Dichloropropene	0.50495	0.51508	0.51508	0.000	2.00787	20.00000	Averaged
48 4-Methyl-2-Pentanone	0.40608	0.41332	0.41332	0.000	1.78193	20.00000	Averaged
$ 49 Toluene-d8	0.98590	1.02240	1.02240	0.000	3.70214	20.00000	Averaged
50 Toluene	1.35742	1.41732	1.41732	0.000	4.41296	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.42553	0.43948	0.43948	0.000	3.27748	20.00000	Averaged
52 Ethyl Methacrylate	50.00000	47.70138	0.48667	0.000	-4.59723	0.000e+000	Linear
53 1,1,2-Trichloroethane	50.00000	52.67215	0.26563	0.000	5.34429	0.000e+000	Linear
54 Tetrachloroethene	50.00000	50.05941	0.48550	0.000	0.11882	0.000e+000	Quadratic
55 1,3-Dichloropropane	0.51402	0.53174	0.53174	0.000	3.44594	20.00000	Averaged
56 2-Hexanone	0.26691	0.28614	0.28614	0.000	7.20713	20.00000	Averaged
57 Dibromochloromethane	50.00000	51.24636	0.40745	0.000	2.49273	0.000e+000	Linear
58 1,2-Dibromoethane	0.36602	0.39326	0.39326	0.000	7.44253	20.00000	Averaged
60 Chlorobenzene	1.06445	1.11160	1.11160	0.000	4.42930	20.00000	Averaged
61 1,1,1,2-Tetrachloroethane	50.00000	53.86830	0.40935	0.000	7.73659	0.000e+000	Linear
62 Ethylbenzene	0.50063	0.57366	0.57366	0.000	14.58738	20.00000	Averaged
63 m&p-Xylene	0.66659	0.71268	0.71268	0.000	6.91322	20.00000	Averaged
65 o-Xylene	0.66344	0.73126	0.73126	0.000	10.22322	20.00000	Averaged
66 Styrene	1.11542	1.18061	1.18061	0.000	5.84415	20.00000	Averaged
67 Bromoform	50.00000	47.09553	0.59694	0.000	-5.80894	0.000e+000	Linear
68 Isopropylbenzene	50.00000	57.41010	1.77035	0.000	14.82019	0.000e+000	Linear
69 trans-1,4-Dichloro-2-butene	50.00000	46.05339	0.10749	0.000	-7.89322	0.000e+000	Linear
142 n-amyl acetate	250	8223	0.00852	0.000	3189	0.000e+000	Linear
$ 70 4-Bromofluorobenzene	0.38751	0.38961	0.38961	0.000	0.54127	20.00000	Averaged
71 Bromobenzene	50.00000	63.46150	0.68928	0.000	26.92299	0.000e+000	Linear
72 1,1,2,2-Tetrachloroethane	0.88073	1.00680	1.00680	0.000	14.31381	20.00000	Averaged
73 1,2,3-Trichloropropane	0.90287	0.97842	0.97842	0.000	8.36786	20.00000	Averaged
74 n-Propylbenzene	50.00000	60.28415	4.14714	0.000	20.56830	0.000e+000	Linear
75 2-Chlorotoluene	50.00000	58.52304	2.40539	0.000	17.04609	0.000e+000	Linear
77 1,3,5-Trimethylbenzene	50.00000	62.27671	2.86987	0.000	24.55342	0.000e+000	Linear
76 4-Chlorotoluene	0.87050	1.03787	1.03787	0.000	19.22684	20.00000	Averaged
78 tert-Butylbenzene	50.00000	62.02894	3.64816	0.000	24.05787	0.000e+000	Linear
79 1,2,4-Trimethylbenzene	50.00000	60.50621	2.76848	0.000	21.01243	0.000e+000	Linear

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

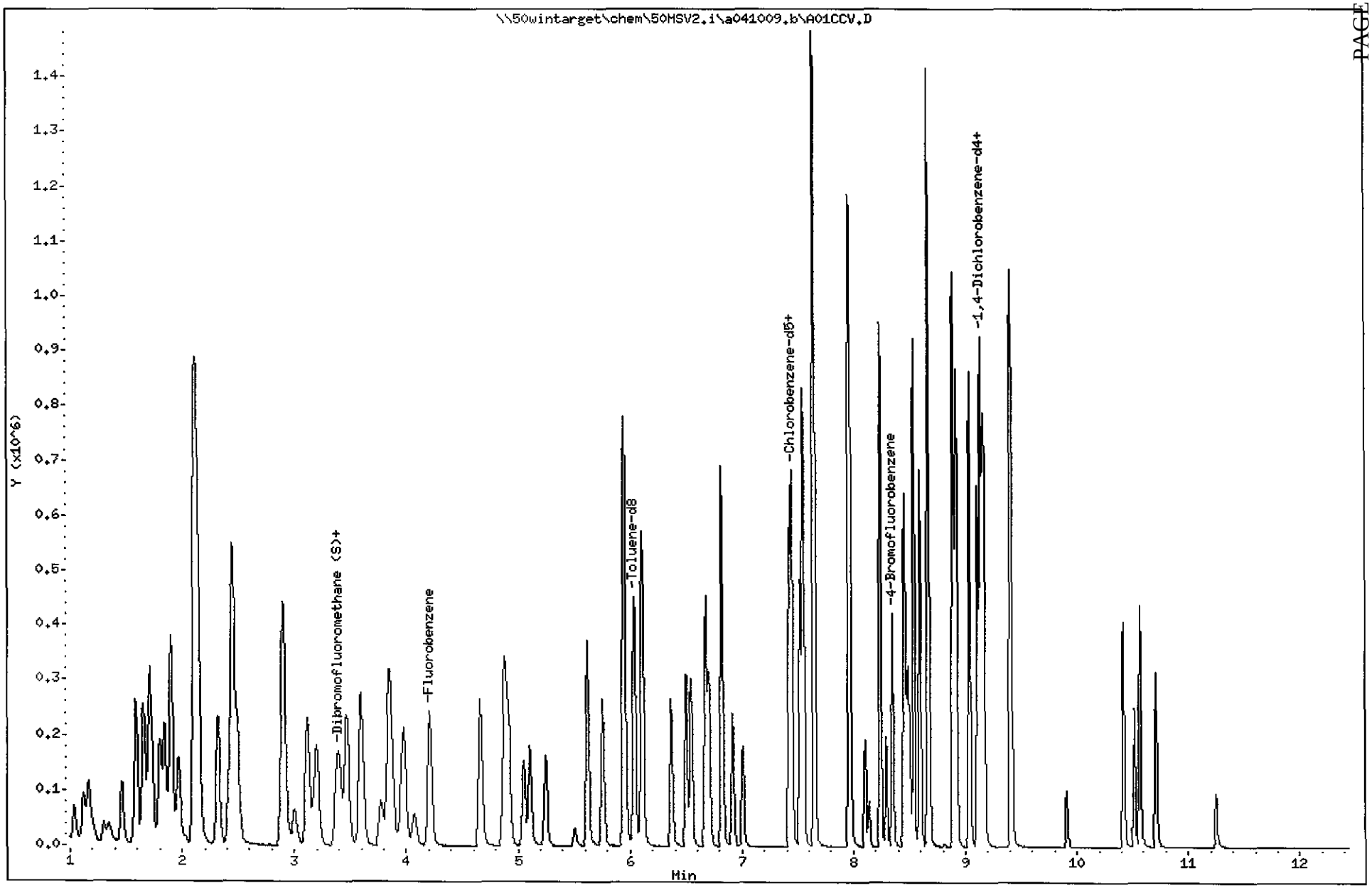
Instrument ID: 50MSV2.i
Lab File ID: A01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m

Injection Date: 10-APR-2009 12:43
Init. Cal. Date(s): 30-MAR-2009 30-MAR-2009
Init. Cal. Times: 18:31 22:26
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
80 sec-Butylbenzene	50.00000	60.41409	3.95377	0.000	20.82818	0.000e+000	Linear
81 1,3-Dichlorobenzene	50.00000	55.70698	1.90230	0.000	11.41397	0.000e+000	Linear
83 p-Isopropyltoluene	50.00000	60.17211	3.27798	0.000	20.34423	0.000e+000	Linear
84 1,4-Dichlorobenzene	50.00000	54.77349	1.89048	0.000	9.54699	0.000e+000	Linear
86 n-Butylbenzene	50.00000	60.07936	2.43766	0.000	20.15872	0.000e+000	Linear
85 1,2-Dichlorobenzene	50.00000	55.71098	1.76036	0.000	11.42195	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	46.31909	0.17916	0.000	-7.36182	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	47.21686	0.92810	0.000	-5.56628	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	48.68999	0.33786	0.000	-2.62002	0.000e+000	Linear
90 Naphthalene	50.00000	49.44892	2.55473	0.000	-1.10217	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	47.21069	0.92810	0.000	-5.57862	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	35.02848	0.44423	0.000	-29.94303	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A01CCV.D
Date : 10-APR-2009 12:43
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



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GC/MS Volatiles

Section 4: Quality Control Data

**** Laboratory Control Samples (LCS)***
**** Matrix Spike and Spike Duplicate Samples (MS/MSD)***

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\A02LCS.D
Lab Smp Id: 285650 Client Smp ID: lcs
Inj Date : 09-APR-2009 12:10
Operator : amv Inst ID: 50MSV2.i
Smp Info : lcs
Misc Info : 15548
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 5 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	1.037	1.031	(0.247)	130435	50.0860	50.1
2 Chloromethane	50	1.119	1.119	(0.266)	194391	52.0980	52.1
3 Vinyl Chloride	62	1.166	1.160	(0.277)	147928	54.1052	54.1
4 Bromomethane	94	1.300	1.294	(0.309)	40817	35.9152	35.9
5 Chloroethane	64	1.352	1.341	(0.322)	67791	59.1202	59.1
6 Trichlorofluoromethane	101	1.466	1.454	(0.349)	108427	56.4035	56.4
28 1,2-dichlorotrifluoroethane	67	1.584	1.573	(0.377)	117432	57.8211	57.8
7 Diethyl ether	74	1.595	1.584	(0.379)	47530	50.4253	50.4
17 tert-Butyl Alcohol	59	1.590	1.584	(0.378)	79054	117.132	117
8 Acrolein	56	1.662	1.646	(0.395)	30311	113.593	114(R)
10 1,1,2trichlorotrifluoroethane	101	1.708	1.697	(0.406)	97301	66.1782	66.2
9 1,1-Dichloroethene	96	1.714	1.703	(0.408)	81263	56.2383	56.2
11 Acetone	43	1.729	1.723	(0.411)	178408	310.269	310
12 Iodomethane	142	1.796	1.790	(0.427)	428315	153.089	153
13 Carbon Disulfide	76	1.843	1.832	(0.438)	590605	114.372	114
14 allyl chloride	41	1.895	1.894	(0.451)	336636	106.465	106(QM)
145 Acetonitrile	41	1.150	1.201	(0.274)	236	1305.03	1300(Q)
138 Methyl Acetate	43	1.905	1.899	(0.453)	122838	66.4658	66.5
15 Methylene Chloride	84	1.967	1.956	(0.468)	86210	50.3726	50.4
16 Acrylonitrile	53	2.106	2.101	(0.501)	860029	1053.79	1050
19 Methyl-tert-butyl ether	73	2.137	2.126	(0.508)	424882	97.5163	97.5
18 1,2-Dichloroethene (trans)	96	2.132	2.126	(0.507)	97613	55.7864	55.8
20 n-Hexane	57	2.313	2.307	(0.550)	172450	56.8256	56.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
21 1,1-Dichloroethane	63	2.422	2.411	(0.576)	175270	48.9181	48.9
23 Vinyl Acetate	43	2.448	2.442	(0.582)	949135	178.226	178
140 Ethyl acetate	88	2.494	2.483	(0.593)	87248	474.863	475(Q)
147 Chloroprene	53	2.494	2.483	(0.593)	148800	48.5923	48.6
24 2,2-Dichloropropane	77	2.892	2.886	(0.688)	109174	51.1131	51.1
25 1,2-Dichloroethene (cis)	96	2.892	2.886	(0.688)	122458	54.0056	54.0
26 2-Butanone	43	2.902	2.896	(0.690)	308378	257.472	257
27 Propionitrile	54	2.954	2.953	(0.703)	17498	44.7168	44.7(Q)
29 Bromochloromethane	49	3.114	3.108	(0.741)	121320	56.9159	56.9
146 Methacrylonitrile	41	3.109	3.098	(0.739)	113527	211.745	212
31 Chloroform	83	3.202	3.196	(0.762)	150927	52.8861	52.9
$ 32 Dibromofluoromethane (S)	113	3.373	3.362	(0.802)	96718	54.1481	54.1
33 1,1,1-Trichloroethane	97	3.393	3.387	(0.807)	118091	50.0025	50.0
30 Tetrahydrofuran	42	3.171	3.170	(0.754)	67497	25.1468	25.1
34 cyclohexane	56	3.466	3.455	(0.824)	192784	48.6098	48.6
37 Isobutyl alcohol	43	3.176	3.170	(0.755)	15405	31.5289	31.5
35 Carbon Tetrachloride	117	3.595	3.579	(0.855)	109005	52.7193	52.7
36 1,1-Dichloropropene	75	3.590	3.584	(0.854)	122719	50.8589	50.8
38 Benzene	78	3.843	3.832	(0.914)	378629	48.1233	48.1
141 isopropyl acetate	61	3.864	3.874	(0.919)	15613	272.829	273(Q)
39 1,2-Dichloroethane	62	3.864	3.858	(0.919)	105671	52.8332	52.8
* 40 Fluorobenzene	96	4.205	4.194	(1.000)	344983	50.0000	
41 Trichloroethene	95	4.654	4.649	(1.107)	105016	51.1284	51.1
139 Methylcyclohexane	55	4.872	4.866	(1.159)	147260	48.4133	48.4
42 1,2-Dichloropropane	63	4.913	4.902	(1.168)	110545	51.4530	51.4
43 Dibromomethane	93	5.042	5.041	(1.199)	65783	50.0933	50.1
44 Methyl methacrylate	69	5.104	5.098	(1.214)	71391	42.5145	42.5
143 2,2,4-Trimethylpentane	57	3.967	3.961	(0.943)	300834	45.2368	45.2
144 1,4-Dioxane	88	5.094	5.109	(1.211)	22833	18530.3	18500(Q)
45 Bromodichloromethane	83	5.244	5.238	(1.247)	120576	48.8878	48.9
46 2-Chloroethyl vinyl ether	63	5.621	5.615	(0.757)	73089	21.4519	21.4
47 cis-1,3-Dichloropropene	75	5.755	5.749	(0.775)	151847	47.9551	48.0
48 4-Methyl-2-Pentanone	43	5.947	5.941	(0.801)	595166	233.720	234
$ 49 Toluene-d8	98	6.040	6.034	(0.813)	318031	51.4408	51.4
50 Toluene	91	6.107	6.101	(0.823)	417033	48.9926	49.0
51 trans-1,3-Dichloropropene	75	6.365	6.359	(0.857)	123260	46.1920	46.2
52 Ethyl Methacrylate	69	6.500	6.494	(0.875)	141103	44.3099	44.3
53 1,1,2-Trichloroethane	83	6.546	6.540	(0.882)	78559	49.8108	49.8
54 Tetrachloroethene	166	6.675	6.669	(0.899)	133264	43.6437	43.6
55 1,3-Dichloropropane	76	6.706	6.700	(0.903)	156630	48.5920	48.6
56 2-Hexanone	43	6.815	6.814	(0.918)	441986	264.072	264
57 Dibromochloromethane	129	6.913	6.912	(0.931)	117547	47.4128	47.4
58 1,2-Dibromoethane	107	7.001	7.000	(0.943)	110031	47.9386	47.9
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	313543	50.0000	
60 Chlorobenzene	112	7.445	7.445	(1.003)	314317	47.0885	47.1
61 1,1,1,2-Tetrachloroethane	131	7.523	7.517	(1.013)	114432	48.2913	48.3
62 Ethylbenzene	106	7.549	7.548	(1.017)	161048	51.2992	51.3
63 m&p-Xylene	106	7.647	7.646	(1.030)	408877	97.8149	97.8
65 o-Xylene	106	7.957	7.956	(1.072)	209540	50.3664	50.4
66 Styrene	104	7.973	7.967	(1.074)	327606	46.8365	46.8
67 Bromoform	173	8.102	8.101	(0.885)	70111	41.3072	41.3
68 Isopropylbenzene	105	8.241	8.241	(1.110)	487343	50.3734	50.4
69 trans-1,4-Dichloro-2-butene	53	8.505	8.499	(1.145)	31461	43.1674	43.2
142 n-amyl acetate	70	8.350	8.132	(1.125)	641	320.227	320(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	122309	50.3324	50.3
71 Bromobenzene	77	8.453	8.447	(1.139)	156264	46.2375	46.2
72 1,1,2,2-Tetrachloroethane	83	8.464	8.463	(0.924)	124773	51.8535	51.8
73 1,2,3-Trichloropropane	75	8.489	8.484	(0.927)	119649	48.5049	48.5
74 n-Propylbenzene	91	8.541	8.535	(0.933)	518004	55.3220	55.3
75 2-Chlorotoluene	91	8.598	8.592	(0.939)	302388	54.0959	54.1
77 1,3,5-Trimethylbenzene	105	8.665	8.665	(0.946)	344573	54.8499	54.8
76 4-Chlorotoluene	126	8.598	8.592	(0.939)	128703	54.1150	54.1
78 tert-Butylbenzene	119	8.887	8.887	(0.971)	387560	48.5119	48.5
79 1,2,4-Trimethylbenzene	105	8.924	8.918	(0.975)	345929	55.4797	55.5
80 sec-Butylbenzene	105	9.037	9.037	(0.987)	485217	54.4795	54.5
81 1,3-Dichlorobenzene	146	9.110	9.109	(0.995)	234460	50.5402	50.5
83 p-Isopropyltoluene	119	9.136	9.135	(0.998)	388144	52.3774	52.4
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	136606	50.0000	
84 1,4-Dichlorobenzene	146	9.172	9.166	(1.002)	232152	49.5109	49.5
86 n-Butylbenzene	91	9.399	9.398	(1.027)	293589	53.1469	53.1
85 1,2-Dichlorobenzene	146	9.415	9.414	(1.028)	218547	50.8429	50.8
87 1,2-Dibromo-3-chloropropane	155	9.906	9.905	(1.082)	19982	39.3658	39.4
88 1,2,4-Trichlorobenzene	180	10.417	10.417	(1.138)	109408	41.4674	41.5
89 Hexachlorobutadiene	225	10.516	10.515	(1.148)	37929	40.9351	40.9
90 Naphthalene	128	10.567	10.567	(1.154)	300395	43.1322	43.1
91 1,2,3-Trichlorobenzene	180	10.417	10.417	(1.138)	109408	41.4654	41.5
92 2,methyl-naphthalene	142	11.249	11.249	(1.229)	54985	33.5981	33.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A02LCS.D
Lab Smp Id: 285650
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	344983	10.74
59 Chlorobenzene-d5	282684	141342	565368	313543	10.92
82 1,4-Dichlorobenze	140868	70434	281736	136606	-3.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.26
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285650
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: lcs
Operator: amv
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	50.1	100.17	30-170
2 Chloromethane	50.0	52.1	104.20	35-147
3 Vinyl Chloride	50.0	54.1	108.21	55-141
4 Bromomethane	50.0	35.9	71.83	30-170
5 Chloroethane	50.0	59.1	118.24	56-153
6 Trichlorofluoromet	50.0	56.4	112.81	62-150
7 Diethyl ether	50.0	50.4	100.85	70-130
8 Acrolein	1000	114	11.36*	30-170
9 1,1-Dichloroethene	50.0	56.2	112.48	63-128
10 1,1,2trichlorotrif	50.0	66.2	132.36	74-153
11 Acetone	250	310	124.11	30-170
12 Iodomethane	100	153	153.09	41-170
13 Carbon Disulfide	100	114	114.37	58-152
14 allyl chloride	100	106	106.46	70-130
15 Methylene Chloride	50.0	50.4	100.75	32-164
16 Acrylonitrile	1000	1050	105.38	67-136
17 tert-Butyl Alcohol	100	117	117.13	50-150
18 1,2-Dichloroethene	50.0	55.8	111.57	71-126
19 Methyl-tert-butyl	100	97.5	97.52	66-147
20 n-Hexane	50.0	56.8	113.65	69-157
21 1,1-Dichloroethane	50.0	48.9	97.84	67-133
23 Vinyl Acetate	200	178	89.11	41-145
24 2,2-Dichloropropan	50.0	51.1	102.23	52-144
25 1,2-Dichloroethene	50.0	54.0	108.01	74-128
26 2-Butanone	250	257	102.99	47-189
28 1,2-dichlorotriflu	50.0	57.8	115.64	54-162
29 Bromochloromethane	50.0	56.9	113.83	54-162
31 Chloroform	50.0	52.9	105.77	74-131
33 1,1,1-Trichloroeth	50.0	50.0	100.01	69-136
35 Carbon Tetrachlori	50.0	52.7	105.44	62-143
36 1,1-Dichloropropen	50.0	50.8	101.72	75-134
37 Isobutyl alcohol	50.0	31.5	63.06	50-150
38 Benzene	50.0	48.1	96.25	78-127
39 1,2-Dichloroethane	50.0	52.8	105.67	69-139
41 Trichloroethene	50.0	51.1	102.26	74-130
42 1,2-Dichloropropan	50.0	51.4	102.91	76-129
43 Dibromomethane	50.0	50.1	100.19	73-133
44 Methyl methacrylat	50.0	42.5	85.03	70-130
45 Bromodichlorometha	50.0	48.9	97.78	69-133
47 cis-1,3-Dichloropr	50.0	48.0	95.91	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	234	93.49	61-135
50 Toluene	50.0	49.0	97.99	75-129
51 trans-1,3-Dichloro	50.0	46.2	92.38	54-123
52 Ethyl Methacrylate	50.0	44.3	88.62	59-138
53 1,1,2-Trichloroeth	50.0	49.8	99.62	77-132
54 Tetrachloroethene	50.0	43.6	87.29	60-119
55 1,3-Dichloropropan	50.0	48.6	97.18	74-126
56 2-Hexanone	250	264	105.63	57-167
57 Dibromochlorometha	50.0	47.4	94.83	66-131
58 1,2-Dibromoethane	50.0	47.9	95.88	75-126
60 Chlorobenzene	50.0	47.1	94.18	75-123
61 1,1,1,2-Tetrachlor	50.0	48.3	96.58	69-130
62 Ethylbenzene	50.0	51.3	102.60	81-126
63 m&p-Xylene	100	97.8	97.81	71-131
65 o-Xylene	50.0	50.4	100.73	72-127
66 Styrene	50.0	46.8	93.67	74-128
67 Bromoform	50.0	41.3	82.61	60-127
68 Isopropylbenzene	50.0	50.4	100.75	80-130
69 trans-1,4-Dichloro	50.0	43.2	86.33	50-150
71 Bromobenzene	50.0	46.2	92.48	62-139
72 1,1,2,2-Tetrachlor	50.0	51.8	103.71	69-130
73 1,2,3-Trichloropro	50.0	48.5	97.01	60-131
74 n-Propylbenzene	50.0	55.3	110.64	71-132
75 2-Chlorotoluene	50.0	54.1	108.19	72-128
76 4-Chlorotoluene	50.0	54.1	108.23	73-124
77 1,3,5-Trimethylben	50.0	54.8	109.70	74-130
78 tert-Butylbenzene	50.0	48.5	97.02	63-117
79 1,2,4-Trimethylben	50.0	55.5	110.96	73-130
80 sec-Butylbenzene	50.0	54.5	108.96	73-130
81 1,3-Dichlorobenzen	50.0	50.5	101.08	76-125
83 p-Isopropyltoluene	50.0	52.4	104.75	66-131
84 1,4-Dichlorobenzen	50.0	49.5	99.02	75-122
85 1,2-Dichlorobenzen	50.0	50.8	101.69	76-124
86 n-Butylbenzene	50.0	53.1	106.29	68-135
87 1,2-Dibromo-3-chlo	50.0	39.4	78.73	61-125
88 1,2,4-Trichloroben	50.0	41.5	82.93	60-130
89 Hexachlorobutadien	50.0	40.9	81.87	70-130
90 Naphthalene	50.0	43.1	86.26	61-135
91 1,2,3-Trichloroben	50.0	41.5	82.93	58-131
138 Methyl Acetate	50.0	66.5	132.93	30-170
34 cyclohexane	50.0	48.6	97.22	63-134
139 Methylcyclohexane	50.0	48.4	96.83	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.1	108.30	82-122
$ 49 Toluene-d8	50.0	51.4	102.88	80-120
$ 70 4-Bromofluorobenze	50.0	50.3	100.66	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285650
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	50.1	
74-87-3	Chloromethane	52.1	
75-01-4	Vinyl Chloride	54.1	
74-83-9	Bromomethane	35.9	
75-00-3	Chloroethane	59.1	
75-69-4	Trichlorofluoromethane	56.4	
354-23-4	1,2-dichlorotrifluoroethane	57.8	
60-29-7	Diethyl ether	50.4	
75-65-0	tert-Butyl Alcohol	117	
107-02-8	Acrolein	114	
76-13-1	1,1,2trichlorotrifluoroethan	66.2	
75-35-4	1,1-Dichloroethene	56.2	
67-64-1	Acetone	310	
	Iodomethane	153	
75-15-0	Carbon Disulfide	114	
107-05-1	allyl chloride	106	
75-05-8	Acetonitrile	1300	
79-20-9	Methyl Acetate	66.5	
75-09-2	Methylene Chloride	50.4	
107-13-1	Acrylonitrile	1050	
1634-04-4	Methyl-tert-butyl ether	97.5	
156-60-5	1,2-Dichloroethene (trans)	55.8	
	n-Hexane	56.8	
75-34-3	1,1-Dichloroethane	48.9	
108-05-4	Vinyl Acetate	178	
141-78-6	Ethyl acetate	475	
126-99-8	Chloroprene	48.6	
594-20-7	2,2-Dichloropropane	51.1	
156-59-2	1,2-Dichloroethene (cis)	54.0	
78-93-3	2-Butanone	257	
107-12-0	Propionitrile	44.7	
74-97-5	Bromochloromethane	56.9	
126-98-7	Methacrylonitrile	212	
67-66-3	Chloroform	52.9	
71-55-6	1,1,1-Trichloroethane	50.0	
	Tetrahydrofuran	25.1	
110-82-7	cyclohexane	48.6	
78-83-1	Isobutyl alcohol	31.5	
56-23-5	Carbon Tetrachloride	52.7	
563-58-6	1,1-Dichloropropene	50.8	
71-43-2	Benzene	48.1	
108-21-4	isopropyl acetate	273	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285650
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	52.8	
79-01-6	Trichloroethene	51.1	
108-87-2	Methylcyclohexane	48.4	
78-87-5	1,2-Dichloropropane	51.4	
74-95-3	Dibromomethane	50.1	
80-62-6	Methyl methacrylate	42.5	
540-84-1	2,2,4-Trimethylpentane	45.2	
	1,4-Dioxane	18500	
75-27-4	Bromodichloromethane	48.9	
110-75-8	2-Chloroethyl vinyl ether	21.4	
10061-01-5	cis-1,3-Dichloropropene	48.0	
108-10-1	4-Methyl-2-Pentanone	234	
108-88-3	Toluene	49.0	
10061-02-6	trans-1,3-Dichloropropene	46.2	
	Ethyl Methacrylate	44.3	
79-00-5	1,1,2-Trichloroethane	49.8	
127-18-4	Tetrachloroethene	43.6	
142-28-9	1,3-Dichloropropane	48.6	
591-78-6	2-Hexanone	264	
124-48-1	Dibromochloromethane	47.4	
106-93-4	1,2-Dibromoethane	47.9	
108-90-7	Chlorobenzene	47.1	
630-20-6	1,1,1,2-Tetrachloroethane	48.3	
100-41-4	Ethylbenzene	51.3	
7816-60-0	m&p-Xylene	97.8	
95-47-6	o-Xylene	50.4	
100-42-5	Styrene	46.8	
75-25-2	Bromoform	41.3	
98-82-8	Isopropylbenzene	50.4	
	trans-1,4-Dichloro-2-butene	43.2	
628-63-7	n-amyl acetate	320	
108-86-1	Bromobenzene	46.2	
79-34-5	1,1,2,2-Tetrachloroethane	51.8	
96-18-4	1,2,3-Trichloropropane	48.5	
103-65-1	n-Propylbenzene	55.3	
95-49-8	2-Chlorotoluene	54.1	
108-67-8	1,3,5-Trimethylbenzene	54.8	
106-43-4	4-Chlorotoluene	54.1	
98-06-6	tert-Butylbenzene	48.5	
95-63-6	1,2,4-Trimethylbenzene	55.5	
135-98-8	sec-Butylbenzene	54.5	
541-73-1	1,3-Dichlorobenzene	50.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

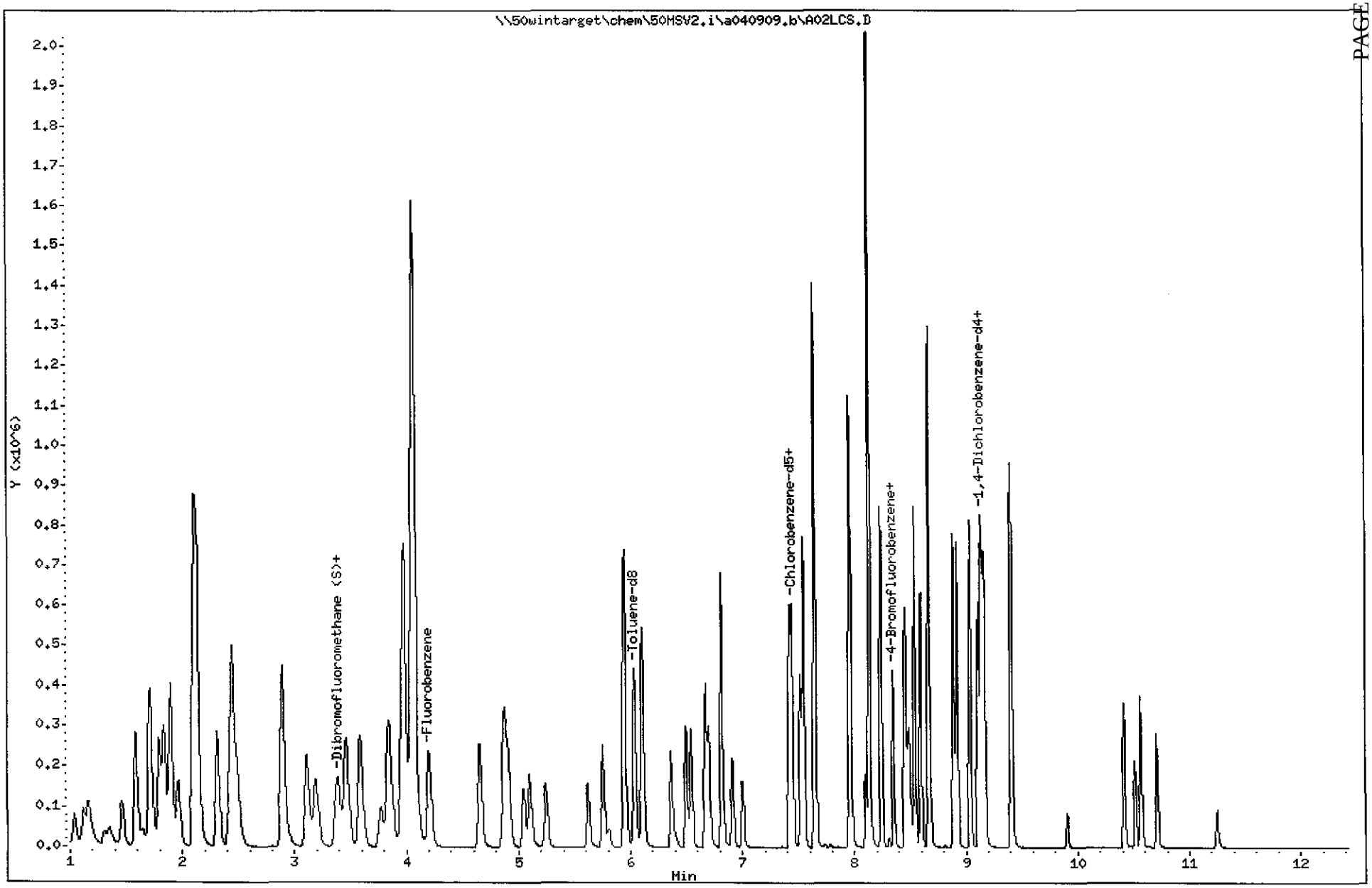
Client Name:
Lab Smp Id: 285650
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	52.4	
106-46-7	1,4-Dichlorobenzene	49.5	
104-51-8	n-Butylbenzene	53.1	
95-50-1	1,2-Dichlorobenzene	50.8	
96-12-8	1,2-Dibromo-3-chloropropane	39.4	
120-82-1	1,2,4-Trichlorobenzene	41.5	
87-68-3	Hexachlorobutadiene	40.9	
91-20-3	Naphthalene	43.1	
87-61-6	1,2,3-Trichlorobenzene	41.5	
	2,methyl-naphthalene	33.6	
1868-53-7	Dibromofluoromethane (S)	54.1	
2037-26-5	Toluene-d8	51.4	
460-00-4	4-Bromofluorobenzene	50.3	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A02LCS.D
Date : 09-APR-2009 12:10
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\A20.D
Lab Smp Id: 285651 Client Smp ID: ms55007
Inj Date : 09-APR-2009 22:15
Operator : amv Inst ID: 50MSV2.i
Smp Info : ms5025055007
Misc Info : 15548
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 41 QC Sample: MS
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	1.043	1.031	(0.248)	121216	44.8007	44.8
2 Chloromethane	50	1.126	1.119	(0.268)	177261	45.1267	45.1
3 Vinyl Chloride	62	1.167	1.160	(0.278)	139186	48.3571	48.4
4 Bromomethane	94	1.312	1.294	(0.312)	40472	32.6832	32.7
5 Chloroethane	64	1.358	1.341	(0.323)	59060	48.6863	48.7
6 Trichlorofluoromethane	101	1.467	1.454	(0.349)	107818	53.1952	53.2
28 1,2-dichlorotrifluoroethane	67	1.586	1.573	(0.377)	116535	54.3566	54.4
7 Diethyl ether	74	1.596	1.584	(0.380)	44726	44.8346	44.8
17 tert-Butyl Alcohol	59	1.596	1.584	(0.380)	75600	105.460	105
8 Acrolein	56	1.658	1.646	(0.394)	310940	942.146	942
10 1,1,2trichlorotrifluoroethane	101	1.710	1.697	(0.407)	91462	58.9862	59.0
9 1,1-Dichloroethene	96	1.715	1.703	(0.408)	79073	51.8974	51.9
11 Acetone	43	1.730	1.723	(0.411)	129372	208.211	208
12 Iodomethane	142	1.803	1.790	(0.429)	372724	125.491	125
13 Carbon Disulfide	76	1.844	1.832	(0.438)	573669	105.699	106
145 Acetonitrile	41	1.213	1.201	(0.289)	1927	2324.40	2320(Q)
138 Methyl Acetate	43	1.901	1.899	(0.452)	108648	56.0506	56.0
15 Methylene Chloride	84	1.968	1.956	(0.468)	82156	45.6906	45.7
16 Acrylonitrile	53	2.108	2.101	(0.501)	827482	956.318	956
19 Methyl-tert-butyl ether	73	2.139	2.126	(0.509)	403400	87.9469	87.9
18 1,2-Dichloroethene (trans)	96	2.139	2.126	(0.509)	95583	51.9569	52.0
20 n-Hexane	57	2.314	2.307	(0.550)	159909	50.2680	50.3
21 1,1-Dichloroethane	63	2.423	2.411	(0.576)	165183	43.7928	43.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.449	2.442	(0.582)	779540	139.045	139
	140 Ethyl acetate	88	2.495	2.483	(0.593)	86159	447.852	448(Q)
	147 Chloroprene	53	2.490	2.483	(0.592)	142544	44.4438	44.4
	24 2,2-Dichloropropane	77	2.898	2.886	(0.689)	98283	43.3817	43.4
	25 1,2-Dichloroethene (cis)	96	2.898	2.886	(0.689)	120515	50.4858	50.5
	26 2-Butanone	43	2.904	2.896	(0.690)	270648	214.648	215
	27 Propionitrile	54	2.966	2.953	(0.705)	18160	44.0833	44.1
	29 Bromochloromethane	49	3.121	3.108	(0.742)	112347	50.0655	50.1
	146 Methacrylonitrile	41	3.105	3.098	(0.738)	95171	157.428	157
	31 Chloroform	83	3.203	3.196	(0.762)	144255	48.0154	48.0
$	32 Dibromofluoromethane (S)	113	3.374	3.362	(0.802)	101384	53.9164	53.9
	33 1,1,1-Trichloroethane	97	3.400	3.387	(0.808)	116377	47.0643	47.1
	34 cyclohexane	56	3.462	3.455	(0.823)	182286	44.0099	44.0
	35 Carbon Tetrachloride	117	3.591	3.579	(0.854)	107795	49.7561	49.8
	36 1,1-Dichloropropene	75	3.591	3.584	(0.854)	115342	45.7051	45.7
	38 Benzene	78	3.844	3.832	(0.914)	362446	43.7583	43.8
	141 isopropyl acetate	61	3.865	3.874	(0.919)	12734	219.386	219(Q)
	39 1,2-Dichloroethane	62	3.865	3.858	(0.919)	97499	46.4736	46.5
*	40 Fluorobenzene	96	4.206	4.194	(1.000)	363180	50.0000	
	41 Trichloroethene	95	4.656	4.649	(1.107)	104997	48.7044	48.7
	139 Methylcyclohexane	55	4.878	4.866	(1.160)	137058	43.0660	43.1
	42 1,2-Dichloropropane	63	4.909	4.902	(1.167)	102003	45.4735	45.5
	43 Dibromomethane	93	5.043	5.041	(1.199)	60206	43.8606	43.9
	44 Methyl methacrylate	69	5.100	5.098	(1.213)	67606	38.4592	38.4
	143 2,2,4-Trimethylpentane	57	3.968	3.961	(0.943)	280243	40.3614	40.4
	144 1,4-Dioxane	88	5.100	5.109	(1.213)	23068	17842.7	17800(Q)
	45 Bromodichloromethane	83	5.240	5.238	(1.246)	112309	43.5907	43.6
	47 cis-1,3-Dichloropropene	75	5.757	5.749	(0.776)	138389	43.1497	43.1
	48 4-Methyl-2-Pentanone	43	5.943	5.941	(0.801)	575514	223.132	223
$	49 Toluene-d8	98	6.036	6.034	(0.813)	328443	52.4501	52.4
	50 Toluene	91	6.108	6.101	(0.823)	398889	46.2658	46.3
	51 trans-1,3-Dichloropropene	75	6.366	6.359	(0.858)	108879	40.2844	40.3
	52 Ethyl Methacrylate	69	6.501	6.494	(0.876)	131902	41.0993	41.1
	53 1,1,2-Trichloroethane	83	6.542	6.540	(0.882)	72694	45.7019	45.7
	54 Tetrachloroethene	166	6.677	6.669	(0.900)	126247	40.7032	40.7
	55 1,3-Dichloropropane	76	6.708	6.700	(0.904)	147673	45.2313	45.2
	56 2-Hexanone	43	6.816	6.814	(0.919)	402590	237.479	237
	57 Dibromochloromethane	129	6.914	6.912	(0.932)	110024	44.0617	44.1
	58 1,2-Dibromoethane	107	7.002	7.000	(0.944)	104162	44.8051	44.8
*	59 Chlorobenzene-d5	117	7.421	7.419	(1.000)	317577	50.0000	
	60 Chlorobenzene	112	7.447	7.445	(1.003)	303372	44.8715	44.9
	61 1,1,1,2-Tetrachloroethane	131	7.519	7.517	(1.013)	109004	45.5609	45.6
	62 Ethylbenzene	106	7.550	7.548	(1.017)	154518	48.5940	48.6
	63 m&p-Xylene	106	7.648	7.646	(1.031)	386954	91.3945	91.4
	65 o-Xylene	106	7.958	7.956	(1.072)	196794	46.7019	46.7
	66 Styrene	104	7.969	7.967	(1.074)	309531	43.6903	43.7
	67 Bromoform	173	8.103	8.101	(0.885)	67576	39.0137	39.0
	68 Isopropylbenzene	105	8.243	8.241	(1.111)	463848	47.3207	47.3
	69 trans-1,4-Dichloro-2-butene	53	8.501	8.499	(1.146)	28110	38.3953	38.4
	142 n-amyl acetate	70	8.134	8.132	(1.096)	308983	189561	190000(Q)
$	70 4-Bromofluorobenzene	95	8.346	8.349	(1.125)	123208	50.0583	50.0
	71 Bromobenzene	77	8.449	8.447	(1.139)	148236	43.3855	43.4
	72 1,1,2,2-Tetrachloroethane	83	8.465	8.463	(0.925)	119981	48.3895	48.4
	73 1,2,3-Trichloropropane	75	8.486	8.484	(0.927)	111014	43.6753	43.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.542	8.535	(0.933)	489369	50.9155	50.9
75 2-Chlorotoluene	91	8.594	8.592	(0.939)	287443	50.1366	50.1
77 1,3,5-Trimethylbenzene	105	8.666	8.665	(0.947)	329456	50.9624	51.0
76 4-Chlorotoluene	126	8.594	8.592	(0.939)	122758	50.0911	50.1
78 tert-Butylbenzene	119	8.889	8.887	(0.971)	378030	45.9873	46.0
79 1,2,4-Trimethylbenzene	105	8.920	8.918	(0.975)	326635	50.9707	51.0
80 sec-Butylbenzene	105	9.039	9.037	(0.988)	465906	50.9042	50.9
81 1,3-Dichlorobenzene	146	9.111	9.109	(0.995)	218150	45.9130	45.9
83 p-Isopropyltoluene	119	9.132	9.135	(0.998)	371609	48.7825	48.8
* 82 1,4-Dichlorobenzene-d4	152	9.152	9.150	(1.000)	140763	50.0000	
84 1,4-Dichlorobenzene	146	9.168	9.166	(1.002)	216557	45.0769	45.1
86 n-Butylbenzene	91	9.400	9.398	(1.027)	277755	48.9187	48.9
85 1,2-Dichlorobenzene	146	9.411	9.414	(1.028)	206654	46.8478	46.8
87 1,2-Dibromo-3-chloropropane	155	9.907	9.905	(1.082)	19870	38.2841	38.3
88 1,2,4-Trichlorobenzene	180	10.419	10.417	(1.138)	99281	37.1466	37.1
89 Hexachlorobutadiene	225	10.517	10.515	(1.149)	35968	38.0848	38.1
90 Naphthalene	128	10.563	10.567	(1.154)	281425	39.5862	39.6
91 1,2,3-Trichlorobenzene	180	10.419	10.417	(1.138)	99281	37.1476	37.1
92 2,methyl-naphthalene	142	11.251	11.249	(1.229)	44965	30.7501	30.8

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A20.D
Lab Smp Id: 285651
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: ms55007
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	363180	16.58
59 Chlorobenzene-d5	282684	141342	565368	317577	12.34
82 1,4-Dichlorobenze	140868	70434	281736	140763	-0.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.29
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.03
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.02

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285651
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: ms55007
Operator: amv
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	44.8	89.60	30-170
2 Chloromethane	50.0	45.1	90.25	35-147
3 Vinyl Chloride	50.0	48.4	96.71	55-141
4 Bromomethane	50.0	32.7	65.37	30-170
5 Chloroethane	50.0	48.7	97.37	56-153
6 Trichlorofluoromet	50.0	53.2	106.39	62-150
7 Diethyl ether	50.0	44.8	89.67	70-130
8 Acrolein	1000	942	94.21	30-170
9 1,1-Dichloroethene	50.0	51.9	103.79	63-128
10 1,1,2trichlorotrif	50.0	59.0	117.97	74-153
11 Acetone	250	208	83.28	30-170
12 Iodomethane	100	125	125.49	41-170
13 Carbon Disulfide	100	106	105.70	58-152
14 allyl chloride	100	0.000	*	70-130
15 Methylene Chloride	50.0	45.7	91.38	32-164
16 Acrylonitrile	1000	956	95.63	67-136
17 tert-Butyl Alcohol	100	105	105.46	50-150
18 1,2-Dichloroethene	50.0	52.0	103.91	71-126
19 Methyl-tert-butyl	100	87.9	87.95	66-147
20 n-Hexane	50.0	50.3	100.54	69-157
21 1,1-Dichloroethane	50.0	43.8	87.59	67-133
23 Vinyl Acetate	200	139	69.52	41-145
24 2,2-Dichloropropan	50.0	43.4	86.76	52-144
25 1,2-Dichloroethene	50.0	50.5	100.97	74-128
26 2-Butanone	250	215	85.86	47-189
28 1,2-dichlorotriflu	50.0	54.4	108.71	54-162
29 Bromochloromethane	50.0	50.1	100.13	54-162
31 Chloroform	50.0	48.0	96.03	74-131
33 1,1,1-Trichloroeth	50.0	47.1	94.13	69-136
35 Carbon Tetrachlori	50.0	49.8	99.51	62-143
36 1,1-Dichloropropen	50.0	45.7	91.41	75-134
37 Isobutyl alcohol	50.0	0.000	*	50-150
38 Benzene	50.0	43.8	87.52	78-127
39 1,2-Dichloroethane	50.0	46.5	92.95	69-139
41 Trichloroethene	50.0	48.7	97.41	74-130
42 1,2-Dichloropropan	50.0	45.5	90.95	76-129
43 Dibromomethane	50.0	43.9	87.72	73-133
44 Methyl methacrylat	50.0	38.4	76.92	70-130
45 Bromodichlorometha	50.0	43.6	87.18	69-133
47 cis-1,3-Dichloropr	50.0	43.1	86.30	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	223	89.25	61-135
50 Toluene	50.0	46.3	92.53	75-129
51 trans-1,3-Dichloro	50.0	40.3	80.57	54-123
52 Ethyl Methacrylate	50.0	41.1	82.20	59-138
53 1,1,2-Trichloroeth	50.0	45.7	91.40	77-132
54 Tetrachloroethene	50.0	40.7	81.41	60-119
55 1,3-Dichloropropan	50.0	45.2	90.46	74-126
56 2-Hexanone	250	237	94.99	57-167
57 Dibromochlorometha	50.0	44.1	88.12	66-131
58 1,2-Dibromoethane	50.0	44.8	89.61	75-126
60 Chlorobenzene	50.0	44.9	89.74	75-123
61 1,1,1,2-Tetrachlor	50.0	45.6	91.12	69-130
62 Ethylbenzene	50.0	48.6	97.19	81-126
63 m&p-Xylene	100	91.4	91.39	71-131
65 o-Xylene	50.0	46.7	93.40	72-127
66 Styrene	50.0	43.7	87.38	74-128
67 Bromoform	50.0	39.0	78.03	60-127
68 Isopropylbenzene	50.0	47.3	94.64	80-130
69 trans-1,4-Dichloro	50.0	38.4	76.79	50-150
71 Bromobenzene	50.0	43.4	86.77	62-139
72 1,1,2,2-Tetrachlor	50.0	48.4	96.78	69-130
73 1,2,3-Trichloropro	50.0	43.7	87.35	60-131
74 n-Propylbenzene	50.0	50.9	101.83	71-132
75 2-Chlorotoluene	50.0	50.1	100.27	72-128
76 4-Chlorotoluene	50.0	50.1	100.18	73-124
77 1,3,5-Trimethylben	50.0	51.0	101.92	74-130
78 tert-Butylbenzene	50.0	46.0	91.97	63-117
79 1,2,4-Trimethylben	50.0	51.0	101.94	73-130
80 sec-Butylbenzene	50.0	50.9	101.81	73-130
81 1,3-Dichlorobenzen	50.0	45.9	91.83	76-125
83 p-Isopropyltoluene	50.0	48.8	97.57	66-131
84 1,4-Dichlorobenzen	50.0	45.1	90.15	75-122
85 1,2-Dichlorobenzen	50.0	46.8	93.70	76-124
86 n-Butylbenzene	50.0	48.9	97.84	68-135
87 1,2-Dibromo-3-chlo	50.0	38.3	76.57	61-125
88 1,2,4-Trichloroben	50.0	37.1	74.29	60-130
89 Hexachlorobutadien	50.0	38.1	76.17	70-130
90 Naphthalene	50.0	39.6	79.17	61-135
91 1,2,3-Trichloroben	50.0	37.1	74.30	58-131
138 Methyl Acetate	50.0	56.0	112.10	30-170
34 cyclohexane	50.0	44.0	88.02	63-134
139 Methylcyclohexane	50.0	43.1	86.13	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.9	107.83	82-122
$ 49 Toluene-d8	50.0	52.4	104.90	80-120
$ 70 4-Bromofluorobenze	50.0	50.0	100.12	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285651
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: ms55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	44.8	
74-87-3	Chloromethane	45.1	
75-01-4	Vinyl Chloride	48.4	
74-83-9	Bromomethane	32.7	
75-00-3	Chloroethane	48.7	
75-69-4	Trichlorofluoromethane	53.2	
354-23-4	1,2-dichlorotrifluoroethane	54.4	
60-29-7	Diethyl ether	44.8	
75-65-0	tert-Butyl Alcohol	105	
107-02-8	Acrolein	942	
76-13-1	1,1,2trichlorotrifluoroethan	59.0	
75-35-4	1,1-Dichloroethene	51.9	
67-64-1	Acetone	208	
	Iodomethane	125	
75-15-0	Carbon Disulfide	106	
75-05-8	Acetonitrile	2320	
79-20-9	Methyl Acetate	56.0	
75-09-2	Methylene Chloride	45.7	
107-13-1	Acrylonitrile	956	
1634-04-4	Methyl-tert-butyl ether	87.9	
156-60-5	1,2-Dichloroethene (trans)	52.0	
	n-Hexane	50.3	
75-34-3	1,1-Dichloroethane	43.8	
108-05-4	Vinyl Acetate	139	
141-78-6	Ethyl acetate	448	
126-99-8	Chloroprene	44.4	
594-20-7	2,2-Dichloropropane	43.4	
156-59-2	1,2-Dichloroethene (cis)	50.5	
78-93-3	2-Butanone	215	
107-12-0	Propionitrile	44.1	
74-97-5	Bromochloromethane	50.1	
126-98-7	Methacrylonitrile	157	
67-66-3	Chloroform	48.0	
71-55-6	1,1,1-Trichloroethane	47.1	
110-82-7	cyclohexane	44.0	
56-23-5	Carbon Tetrachloride	49.8	
563-58-6	1,1-Dichloropropene	45.7	
71-43-2	Benzene	43.8	
108-21-4	isopropyl acetate	219	
107-06-2	1,2-Dichloroethane	46.5	
79-01-6	Trichloroethene	48.7	
108-87-2	Methylcyclohexane	43.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285651
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: ms55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	45.5	
74-95-3	Dibromomethane	43.9	
80-62-6	Methyl methacrylate	38.4	
540-84-1	2,2,4-Trimethylpentane	40.4	
	1,4-Dioxane	17800	
75-27-4	Bromodichloromethane	43.6	
10061-01-5	cis-1,3-Dichloropropene	43.1	
108-10-1	4-Methyl-2-Pentanone	223	
108-88-3	Toluene	46.3	
10061-02-6	trans-1,3-Dichloropropene	40.3	
	Ethyl Methacrylate	41.1	
79-00-5	1,1,2-Trichloroethane	45.7	
127-18-4	Tetrachloroethene	40.7	
142-28-9	1,3-Dichloropropane	45.2	
591-78-6	2-Hexanone	237	
124-48-1	Dibromochloromethane	44.1	
106-93-4	1,2-Dibromoethane	44.8	
108-90-7	Chlorobenzene	44.9	
630-20-6	1,1,1,2-Tetrachloroethane	45.6	
100-41-4	Ethylbenzene	48.6	
7816-60-0	m&p-Xylene	91.4	
95-47-6	o-Xylene	46.7	
100-42-5	Styrene	43.7	
75-25-2	Bromoform	39.0	
98-82-8	Isopropylbenzene	47.3	
	trans-1,4-Dichloro-2-butene	38.4	
628-63-7	n-amyl acetate	190000	
108-86-1	Bromobenzene	43.4	
79-34-5	1,1,2,2-Tetrachloroethane	48.4	
96-18-4	1,2,3-Trichloropropane	43.7	
103-65-1	n-Propylbenzene	50.9	
95-49-8	2-Chlorotoluene	50.1	
108-67-8	1,3,5-Trimethylbenzene	51.0	
106-43-4	4-Chlorotoluene	50.1	
98-06-6	tert-Butylbenzene	46.0	
95-63-6	1,2,4-Trimethylbenzene	51.0	
135-98-8	sec-Butylbenzene	50.9	
541-73-1	1,3-Dichlorobenzene	45.9	
99-87-6	p-Isopropyltoluene	48.8	
106-46-7	1,4-Dichlorobenzene	45.1	
104-51-8	n-Butylbenzene	48.9	
95-50-1	1,2-Dichlorobenzene	46.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

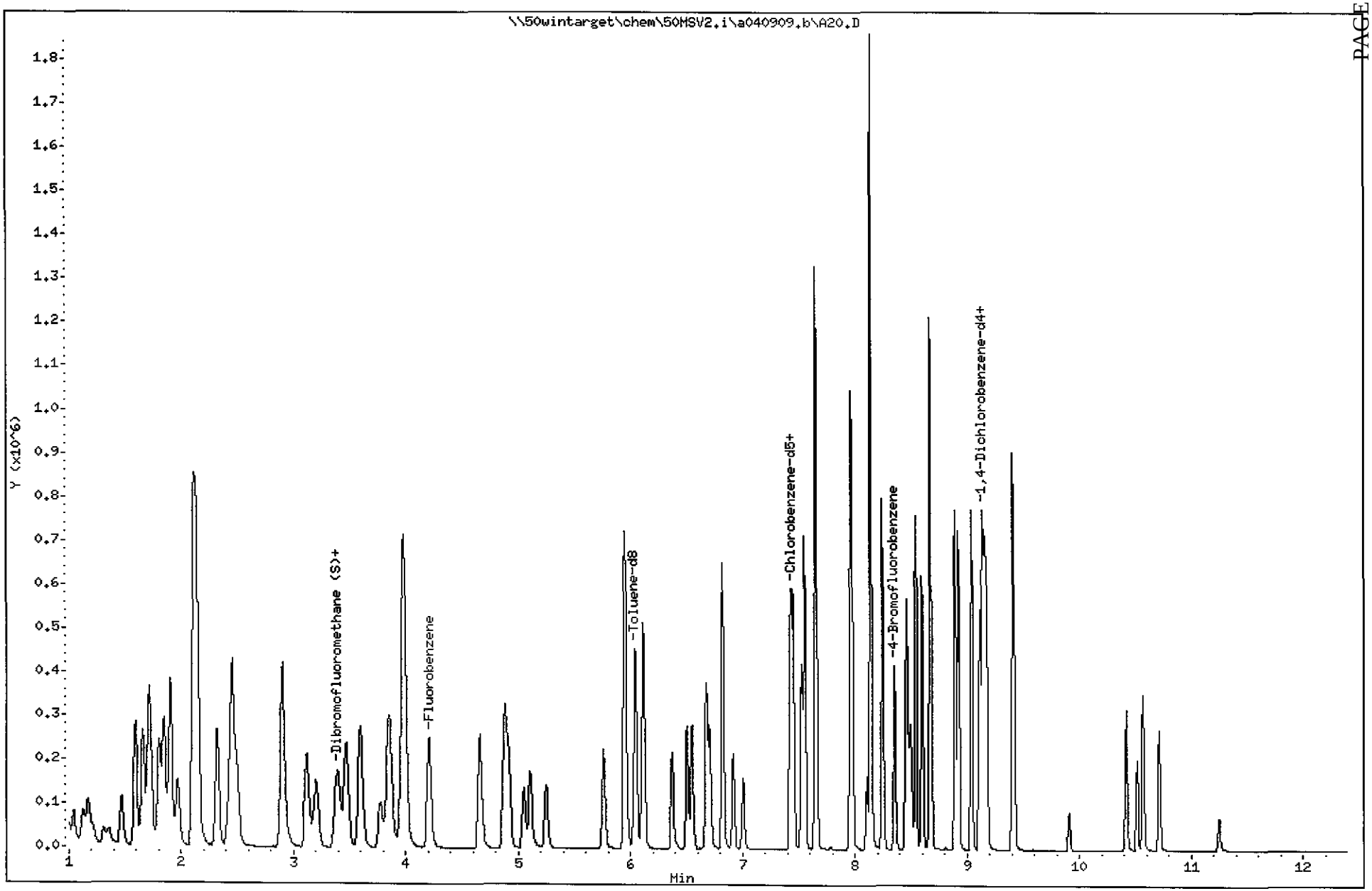
Client Name:
Lab Smp Id: 285651
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: ms55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	38.3	
120-82-1	1,2,4-Trichlorobenzene	37.1	
87-68-3	Hexachlorobutadiene	38.1	
91-20-3	Naphthalene	39.6	
87-61-6	1,2,3-Trichlorobenzene	37.1	
	2,methyl-naphthalene	30.8	
1868-53-7	Dibromofluoromethane (S)	53.9	
2037-26-5	Toluene-d8	52.4	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A20.D
Date : 09-APR-2009 22:15
Client ID: ms55007
Sample Info: ms5025055007
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\A21.D
Lab Smp Id: 285652 Client Smp ID: msd55007
Inj Date : 09-APR-2009 22:49
Operator : amv Inst ID: 50MSV2.i
Smp Info : msd5025055007
Misc Info : 15548
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 43 QC Sample: MSD
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	1.036	1.031	(0.247)	124684	46.0756	46.1
2 Chloromethane	50	1.119	1.119	(0.267)	191811	48.9935	49.0
3 Vinyl Chloride	62	1.160	1.160	(0.277)	146637	51.1155	51.1
4 Bromomethane	94	1.300	1.294	(0.310)	40819	33.2972	33.3
5 Chloroethane	64	1.346	1.341	(0.321)	69116	57.4071	57.4
6 Trichlorofluoromethane	101	1.460	1.454	(0.348)	115803	57.4391	57.4
28 1,2-dichlorotrifluoroethane	67	1.579	1.573	(0.376)	121288	56.8744	56.9
7 Diethyl ether	74	1.584	1.584	(0.378)	48407	48.8712	48.9
17 tert-Butyl Alcohol	59	1.589	1.584	(0.379)	81662	115.157	115
8 Acrolein	56	1.646	1.646	(0.393)	362175	1097.87	1100
10 1,1,2trichlorotrifluoroethane	101	1.703	1.697	(0.406)	96012	62.1785	62.2
9 1,1-Dichloroethene	96	1.708	1.703	(0.407)	81881	53.9623	54.0
11 Acetone	43	1.723	1.723	(0.411)	138203	224.407	224
12 Iodomethane	142	1.791	1.790	(0.427)	433548	147.392	147
13 Carbon Disulfide	76	1.837	1.832	(0.438)	603695	111.477	111
145 Acetonitrile	41	1.212	1.201	(0.289)	2051	2403.85	2400(Q)
138 Methyl Acetate	43	1.894	1.899	(0.452)	113313	58.5915	58.6
15 Methylene Chloride	84	1.961	1.956	(0.468)	85536	47.6856	47.7
16 Acrylonitrile	53	2.101	2.101	(0.501)	880954	1026.88	1030
19 Methyl-tert-butyl ether	73	2.132	2.126	(0.508)	430775	94.2279	94.2
18 1,2-Dichloroethene (trans)	96	2.127	2.126	(0.507)	101204	55.1352	55.1
20 n-Hexane	57	2.313	2.307	(0.551)	157795	49.7866	49.8
21 1,1-Dichloroethane	63	2.416	2.411	(0.576)	176685	46.9982	47.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.442	2.442	(0.582)	832791	149.038	149
	140 Ethyl acetate	88	2.483	2.483	(0.592)	90724	470.953	471(Q)
	147 Chloroprene	53	2.483	2.483	(0.592)	150065	46.8029	46.8
	24 2,2-Dichloropropane	77	2.886	2.886	(0.688)	103887	46.1447	46.1
	25 1,2-Dichloroethene (cis)	96	2.881	2.886	(0.687)	126347	53.1052	53.1
	26 2-Butanone	43	2.897	2.896	(0.691)	294670	234.479	234
	27 Propionitrile	54	2.948	2.953	(0.703)	18711	45.5722	45.6
	29 Bromochloromethane	49	3.109	3.108	(0.741)	108036	48.3048	48.3
	146 Methacrylonitrile	41	3.103	3.098	(0.740)	101485	172.270	172
	31 Chloroform	83	3.191	3.196	(0.761)	155224	51.8386	51.8
$	32 Dibromofluoromethane (S)	113	3.367	3.362	(0.803)	100669	53.7146	53.7
	33 1,1,1-Trichloroethane	97	3.393	3.387	(0.809)	125561	50.6163	50.6
	34 cyclohexane	56	3.455	3.455	(0.824)	194474	46.8668	46.9
	35 Carbon Tetrachloride	117	3.584	3.579	(0.855)	113880	52.5084	52.5
	36 1,1-Dichloropropene	75	3.579	3.584	(0.853)	123884	49.0373	49.0
	38 Benzene	78	3.837	3.832	(0.915)	383526	46.4576	46.4
	141 isopropyl acetate	61	3.863	3.874	(0.921)	15580	261.215	261(Q)
	39 1,2-Dichloroethane	62	3.858	3.858	(0.920)	100133	47.8466	47.8
*	40 Fluorobenzene	96	4.194	4.194	(1.000)	361974	50.0000	
	41 Trichloroethene	95	4.649	4.649	(1.108)	110932	51.4538	51.4
	139 Methylcyclohexane	55	4.866	4.866	(1.160)	143718	45.1903	45.2
	42 1,2-Dichloropropane	63	4.907	4.902	(1.170)	108530	48.3393	48.3
	43 Dibromomethane	93	5.036	5.041	(1.201)	65696	47.7937	47.8
	44 Methyl methacrylate	69	5.098	5.098	(1.216)	73977	42.0133	42.0
	143 2,2,4-Trimethylpentane	57	3.956	3.961	(0.943)	276806	40.0251	40.0
	144 1,4-Dioxane	88	5.083	5.109	(1.212)	25102	19344.7	19300(Q)
	45 Bromodichloromethane	83	5.238	5.238	(1.249)	120859	46.8329	46.8
	47 cis-1,3-Dichloropropene	75	5.750	5.749	(0.775)	149979	46.5352	46.5
	48 4-Methyl-2-Pentanone	43	5.941	5.941	(0.801)	624301	240.866	241
$	49 Toluene-d8	98	6.034	6.034	(0.813)	328323	52.1750	52.2
	50 Toluene	91	6.106	6.101	(0.823)	430155	49.6486	49.6
	51 trans-1,3-Dichloropropene	75	6.365	6.359	(0.858)	119685	44.0663	44.1
	52 Ethyl Methacrylate	69	6.494	6.494	(0.875)	143946	44.4046	44.4
	53 1,1,2-Trichloroethane	83	6.540	6.540	(0.882)	77809	48.5316	48.5
	54 Tetrachloroethene	166	6.675	6.669	(0.900)	135527	43.6057	43.6
	55 1,3-Dichloropropane	76	6.701	6.700	(0.903)	157628	48.0447	48.0
	56 2-Hexanone	43	6.814	6.814	(0.918)	437101	256.577	256
	57 Dibromochloromethane	129	6.913	6.912	(0.932)	120115	47.5869	47.6
	58 1,2-Dibromoethane	107	7.000	7.000	(0.944)	112733	48.2551	48.2
*	59 Chlorobenzene-d5	117	7.419	7.419	(1.000)	319135	50.0000	
	60 Chlorobenzene	112	7.445	7.445	(1.003)	332017	48.8686	48.9
	61 1,1,1,2-Tetrachloroethane	131	7.517	7.517	(1.013)	120335	49.8120	49.8
	62 Ethylbenzene	106	7.548	7.548	(1.017)	168069	52.5976	52.6
	63 m&p-Xylene	106	7.647	7.646	(1.031)	421601	99.0916	99.1
	65 o-Xylene	106	7.957	7.956	(1.072)	214056	50.5504	50.6
	66 Styrene	104	7.967	7.967	(1.074)	332581	46.7146	46.7
	67 Bromoform	173	8.101	8.101	(0.885)	75043	42.3591	42.4
	68 Isopropylbenzene	105	8.241	8.241	(1.111)	503066	51.0910	51.1
	69 trans-1,4-Dichloro-2-butene	53	8.499	8.499	(1.146)	28500	38.7140	38.7
	142 n-amyl acetate	70	8.132	8.132	(1.096)	337200	205869	206000(Q)
$	70 4-Bromofluorobenzene	95	8.349	8.349	(1.125)	126122	50.9921	51.0
	71 Bromobenzene	77	8.448	8.447	(1.139)	199446	57.6581	57.6
	72 1,1,2,2-Tetrachloroethane	83	8.463	8.463	(0.925)	130595	52.2089	52.2
	73 1,2,3-Trichloropropane	75	8.484	8.484	(0.927)	120931	47.1601	47.2(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.541	8.535	(0.933)	524923	53.9878	54.0
75 2-Chlorotoluene	91	8.592	8.592	(0.939)	310313	53.4409	53.4
77 1,3,5-Trimethylbenzene	105	8.665	8.665	(0.947)	358548	54.9028	54.9
76 4-Chlorotoluene	126	8.592	8.592	(0.939)	134793	54.5201	54.5
78 tert-Butylbenzene	119	8.887	8.887	(0.971)	413889	49.8035	49.8
79 1,2,4-Trimethylbenzene	105	8.918	8.918	(0.975)	351619	54.2826	54.3
80 sec-Butylbenzene	105	9.037	9.037	(0.988)	502920	54.3255	54.3
81 1,3-Dichlorobenzene	146	9.109	9.109	(0.995)	240428	49.8942	49.9
83 p-Isopropyltoluene	119	9.135	9.135	(0.998)	403265	52.3491	52.3
* 82 1,4-Dichlorobenzene-d4	152	9.151	9.150	(1.000)	142007	50.0000	
84 1,4-Dichlorobenzene	146	9.166	9.166	(1.002)	236002	48.4773	48.5
86 n-Butylbenzene	91	9.399	9.398	(1.027)	294554	51.3460	51.3
85 1,2-Dichlorobenzene	146	9.414	9.414	(1.029)	221744	49.6803	49.7
87 1,2-Dibromo-3-chloropropane	155	9.905	9.905	(1.082)	23065	42.7801	42.8
88 1,2,4-Trichlorobenzene	180	10.412	10.417	(1.138)	106257	39.0877	39.1
89 Hexachlorobutadiene	225	10.515	10.515	(1.149)	38674	40.2507	40.2
90 Naphthalene	128	10.567	10.567	(1.155)	313360	43.2683	43.3
91 1,2,3-Trichlorobenzene	180	10.412	10.417	(1.138)	106257	39.0873	39.1
92 2,methyl-naphthalene	142	11.249	11.249	(1.229)	55966	33.3101	33.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A21.D
Lab Smp Id: 285652
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: msd55007
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	361974	16.19
59 Chlorobenzene-d5	282684	141342	565368	319135	12.89
82 1,4-Dichlorobenze	140868	70434	281736	142007	0.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.19	0.00
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.00
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285652
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: msd55007
Operator: amv
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	46.1	92.15	30-170
2 Chloromethane	50.0	49.0	97.99	35-147
3 Vinyl Chloride	50.0	51.1	102.23	55-141
4 Bromomethane	50.0	33.3	66.59	30-170
5 Chloroethane	50.0	57.4	114.81	56-153
6 Trichlorofluoromet	50.0	57.4	114.88	62-150
7 Diethyl ether	50.0	48.9	97.74	70-130
8 Acrolein	1000	1100	109.79	30-170
9 1,1-Dichloroethene	50.0	54.0	107.92	63-128
10 1,1,2trichlorotrif	50.0	62.2	124.36	74-153
11 Acetone	250	224	89.76	30-170
12 Iodomethane	100	147	147.39	41-170
13 Carbon Disulfide	100	111	111.48	58-152
14 allyl chloride	100	0.000	*	70-130
15 Methylene Chloride	50.0	47.7	95.37	32-164
16 Acrylonitrile	1000	1030	102.69	67-136
17 tert-Butyl Alcohol	100	115	115.16	50-150
18 1,2-Dichloroethene	50.0	55.1	110.27	71-126
19 Methyl-tert-butyl	100	94.2	94.23	66-147
20 n-Hexane	50.0	49.8	99.57	69-157
21 1,1-Dichloroethane	50.0	47.0	94.00	67-133
23 Vinyl Acetate	200	149	74.52	41-145
24 2,2-Dichloropropan	50.0	46.1	92.29	52-144
25 1,2-Dichloroethene	50.0	53.1	106.21	74-128
26 2-Butanone	250	234	93.79	47-189
28 1,2-dichlorotriflu	50.0	56.9	113.75	54-162
29 Bromochloromethane	50.0	48.3	96.61	54-162
31 Chloroform	50.0	51.8	103.68	74-131
33 1,1,1-Trichloroeth	50.0	50.6	101.23	69-136
35 Carbon Tetrachlori	50.0	52.5	105.02	62-143
36 1,1-Dichloropropen	50.0	49.0	98.07	75-134
37 Isobutyl alcohol	50.0	0.000	*	50-150
38 Benzene	50.0	46.4	92.92	78-127
39 1,2-Dichloroethane	50.0	47.8	95.69	69-139
41 Trichloroethene	50.0	51.4	102.91	74-130
42 1,2-Dichloropropan	50.0	48.3	96.68	76-129
43 Dibromomethane	50.0	47.8	95.59	73-133
44 Methyl methacrylat	50.0	42.0	84.03	70-130
45 Bromodichlorometha	50.0	46.8	93.67	69-133
47 cis-1,3-Dichloropr	50.0	46.5	93.07	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	241	96.35	61-135
50 Toluene	50.0	49.6	99.30	75-129
51 trans-1,3-Dichloro	50.0	44.1	88.13	54-123
52 Ethyl Methacrylate	50.0	44.4	88.81	59-138
53 1,1,2-Trichloroeth	50.0	48.5	97.06	77-132
54 Tetrachloroethene	50.0	43.6	87.21	60-119
55 1,3-Dichloropropan	50.0	48.0	96.09	74-126
56 2-Hexanone	250	256	102.63	57-167
57 Dibromochlorometha	50.0	47.6	95.17	66-131
58 1,2-Dibromoethane	50.0	48.2	96.51	75-126
60 Chlorobenzene	50.0	48.9	97.74	75-123
61 1,1,1,2-Tetrachlor	50.0	49.8	99.62	69-130
62 Ethylbenzene	50.0	52.6	105.20	81-126
63 m&p-Xylene	100	99.1	99.09	71-131
65 o-Xylene	50.0	50.6	101.10	72-127
66 Styrene	50.0	46.7	93.43	74-128
67 Bromoform	50.0	42.4	84.72	60-127
68 Isopropylbenzene	50.0	51.1	102.18	80-130
69 trans-1,4-Dichloro	50.0	38.7	77.43	50-150
71 Bromobenzene	50.0	57.6	115.32	62-139
72 1,1,2,2-Tetrachlor	50.0	52.2	104.42	69-130
73 1,2,3-Trichloropro	50.0	47.2	94.32	60-131
74 n-Propylbenzene	50.0	54.0	107.98	71-132
75 2-Chlorotoluene	50.0	53.4	106.88	72-128
76 4-Chlorotoluene	50.0	54.5	109.04	73-124
77 1,3,5-Trimethylben	50.0	54.9	109.81	74-130
78 tert-Butylbenzene	50.0	49.8	99.61	63-117
79 1,2,4-Trimethylben	50.0	54.3	108.57	73-130
80 sec-Butylbenzene	50.0	54.3	108.65	73-130
81 1,3-Dichlorobenzen	50.0	49.9	99.79	76-125
83 p-Isopropyltoluene	50.0	52.3	104.70	66-131
84 1,4-Dichlorobenzen	50.0	48.5	96.95	75-122
85 1,2-Dichlorobenzen	50.0	49.7	99.36	76-124
86 n-Butylbenzene	50.0	51.3	102.69	68-135
87 1,2-Dibromo-3-chlo	50.0	42.8	85.56	61-125
88 1,2,4-Trichloroben	50.0	39.1	78.18	60-130
89 Hexachlorobutadien	50.0	40.2	80.50	70-130
90 Naphthalene	50.0	43.3	86.54	61-135
91 1,2,3-Trichloroben	50.0	39.1	78.17	58-131
138 Methyl Acetate	50.0	58.6	117.18	30-170
34 cyclohexane	50.0	46.9	93.73	63-134
139 Methylcyclohexane	50.0	45.2	90.38	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.7	107.43	82-122
$ 49 Toluene-d8	50.0	52.2	104.35	80-120
$ 70 4-Bromofluorobenze	50.0	51.0	101.98	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285652
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: msd55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	46.1	
74-87-3	Chloromethane	49.0	
75-01-4	Vinyl Chloride	51.1	
74-83-9	Bromomethane	33.3	
75-00-3	Chloroethane	57.4	
75-69-4	Trichlorofluoromethane	57.4	
354-23-4	1,2-dichlorotrifluoroethane	56.9	
60-29-7	Diethyl ether	48.9	
75-65-0	tert-Butyl Alcohol	115	
107-02-8	Acrolein	1100	
76-13-1	1,1,2trichlorotrifluoroethan	62.2	
75-35-4	1,1-Dichloroethene	54.0	
67-64-1	Acetone	224	
	Iodomethane	147	
75-15-0	Carbon Disulfide	111	
75-05-8	Acetonitrile	2400	
79-20-9	Methyl Acetate	58.6	
75-09-2	Methylene Chloride	47.7	
107-13-1	Acrylonitrile	1030	
1634-04-4	Methyl-tert-butyl ether	94.2	
156-60-5	1,2-Dichloroethene (trans)	55.1	
	n-Hexane	49.8	
75-34-3	1,1-Dichloroethane	47.0	
108-05-4	Vinyl Acetate	149	
141-78-6	Ethyl acetate	471	
126-99-8	Chloroprene	46.8	
594-20-7	2,2-Dichloropropane	46.1	
156-59-2	1,2-Dichloroethene (cis)	53.1	
78-93-3	2-Butanone	234	
107-12-0	Propionitrile	45.6	
74-97-5	Bromochloromethane	48.3	
126-98-7	Methacrylonitrile	172	
67-66-3	Chloroform	51.8	
71-55-6	1,1,1-Trichloroethane	50.6	
110-82-7	cyclohexane	46.9	
56-23-5	Carbon Tetrachloride	52.5	
563-58-6	1,1-Dichloropropene	49.0	
71-43-2	Benzene	46.4	
108-21-4	isopropyl acetate	261	
107-06-2	1,2-Dichloroethane	47.8	
79-01-6	Trichloroethene	51.4	
108-87-2	Methylcyclohexane	45.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285652
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: msd55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	48.3	
74-95-3	Dibromomethane	47.8	
80-62-6	Methyl methacrylate	42.0	
540-84-1	2,2,4-Trimethylpentane	40.0	
----------	1,4-Dioxane	19300	
75-27-4	Bromodichloromethane	46.8	
10061-01-5	cis-1,3-Dichloropropene	46.5	
108-10-1	4-Methyl-2-Pentanone	241	
108-88-3	Toluene	49.6	
10061-02-6	trans-1,3-Dichloropropene	44.1	
----------	Ethyl Methacrylate	44.4	
79-00-5	1,1,2-Trichloroethane	48.5	
127-18-4	Tetrachloroethene	43.6	
142-28-9	1,3-Dichloropropane	48.0	
591-78-6	2-Hexanone	256	
124-48-1	Dibromochloromethane	47.6	
106-93-4	1,2-Dibromoethane	48.2	
108-90-7	Chlorobenzene	48.9	
630-20-6	1,1,1,2-Tetrachloroethane	49.8	
100-41-4	Ethylbenzene	52.6	
7816-60-0	m&p-Xylene	99.1	
95-47-6	o-Xylene	50.6	
100-42-5	Styrene	46.7	
75-25-2	Bromoform	42.4	
98-82-8	Isopropylbenzene	51.1	
----------	trans-1,4-Dichloro-2-butene	38.7	
628-63-7	n-amyl acetate	206000	
108-86-1	Bromobenzene	57.6	
79-34-5	1,1,2,2-Tetrachloroethane	52.2	
96-18-4	1,2,3-Trichloropropane	47.2	
103-65-1	n-Propylbenzene	54.0	
95-49-8	2-Chlorotoluene	53.4	
108-67-8	1,3,5-Trimethylbenzene	54.9	
106-43-4	4-Chlorotoluene	54.5	
98-06-6	tert-Butylbenzene	49.8	
95-63-6	1,2,4-Trimethylbenzene	54.3	
135-98-8	sec-Butylbenzene	54.3	
541-73-1	1,3-Dichlorobenzene	49.9	
99-87-6	p-Isopropyltoluene	52.3	
106-46-7	1,4-Dichlorobenzene	48.5	
104-51-8	n-Butylbenzene	51.3	
95-50-1	1,2-Dichlorobenzene	49.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

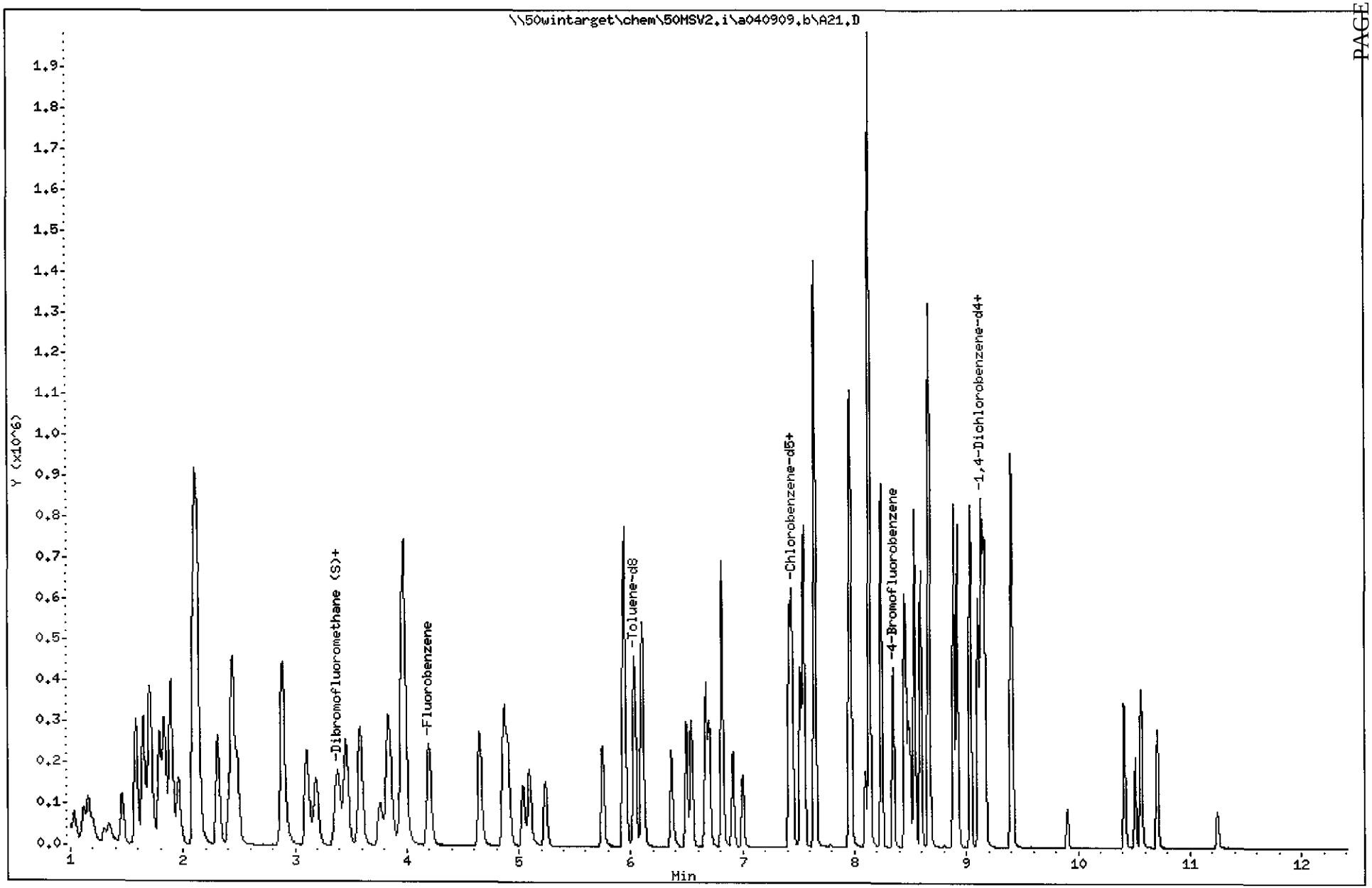
Client Name:
Lab Smp Id: 285652
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: msd55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	42.8	
120-82-1	1,2,4-Trichlorobenzene	39.1	
87-68-3	Hexachlorobutadiene	40.2	
91-20-3	Naphthalene	43.3	
87-61-6	1,2,3-Trichlorobenzene	39.1	
	2,methyl-naphthalene	33.3	
1868-53-7	Dibromofluoromethane (S)	53.7	
2037-26-5	Toluene-d8	52.2	
460-00-4	4-Bromofluorobenzene	51.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A21.D
Date : 09-APR-2009 22:49
Client ID: msd55007
Sample Info: msd5025055007
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C02LCS.D
Lab Smp Id: 285656 Client Smp ID: lcs
Inj Date : 10-APR-2009 00:30
Operator : amv Inst ID: 50MSV2.i
Smp Info : lcs
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 47 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	1.042	1.031	(0.248)	126898	49.5310	49.5
2 Chloromethane	50	1.124	1.119	(0.267)	195211	53.1140	53.1
3 Vinyl Chloride	62	1.171	1.160	(0.278)	147266	54.6829	54.7
4 Bromomethane	94	1.305	1.294	(0.310)	58838	66.6607	66.7
5 Chloroethane	64	1.357	1.341	(0.322)	57248	50.4879	50.5
6 Trichlorofluoromethane	101	1.471	1.454	(0.349)	104594	55.2074	55.2
28 1,2-dichlorotrifluoroethane	67	1.589	1.573	(0.378)	113467	56.6680	56.7
7 Diethyl ether	74	1.595	1.584	(0.379)	47311	50.9849	51.0
17 tert-Butyl Alcohol	59	1.595	1.584	(0.379)	81453	122.997	123
8 Acrolein	56	1.657	1.646	(0.394)	93304	314.950	315
10 1,1,2trichlorotrifluoroethane	101	1.708	1.697	(0.406)	92927	64.1357	64.1
9 1,1-Dichloroethene	96	1.719	1.703	(0.408)	80815	56.7900	56.8
11 Acetone	43	1.739	1.723	(0.413)	151741	265.440	265
12 Iodomethane	142	1.807	1.790	(0.429)	311512	111.822	112
13 Carbon Disulfide	76	1.848	1.832	(0.439)	591111	116.176	116
14 allyl chloride	41	1.905	1.894	(0.453)	332886	106.886	107(QM)
145 Acetonitrile	41	1.212	1.201	(0.288)	232	1304.73	1300(Q)
138 Methyl Acetate	43	1.910	1.899	(0.454)	132704	72.7709	72.8
15 Methylene Chloride	84	1.972	1.956	(0.468)	88973	52.7319	52.7
16 Acrylonitrile	53	2.111	2.101	(0.502)	928204	1162.18	1160
19 Methyl-tert-butyl ether	73	2.142	2.126	(0.509)	443779	103.404	103
18 1,2-Dichloroethene (trans)	96	2.142	2.126	(0.509)	99852	57.8972	57.9
20 n-Hexane	57	2.323	2.307	(0.552)	150785	50.6455	50.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	21 1,1-Dichloroethane	63	2.427	2.411	(0.576)	180714	51.2052	51.2
	23 Vinyl Acetate	43	2.453	2.442	(0.583)	991620	189.037	189
	140 Ethyl acetate	88	2.494	2.483	(0.592)	88591	488.310	488(Q)
	147 Chloroprene	53	2.494	2.483	(0.592)	147816	48.9843	49.0
	24 2,2-Dichloropropane	77	2.897	2.886	(0.688)	91352	43.0805	43.1
	25 1,2-Dichloroethene (cis)	96	2.892	2.886	(0.687)	129338	57.9080	57.9
	26 2-Butanone	43	2.907	2.896	(0.691)	315742	267.633	268
	27 Propionitrile	54	2.964	2.953	(0.704)	19138	49.6523	49.6
	29 Bromochloromethane	49	3.125	3.108	(0.742)	125570	59.8064	59.8
	146 Methacrylonitrile	41	3.109	3.098	(0.739)	123052	238.518	238
	31 Chloroform	83	3.207	3.196	(0.762)	158463	56.3719	56.4
$	32 Dibromofluoromethane (S)	113	3.378	3.362	(0.802)	95505	54.2828	54.3
	33 1,1,1-Trichloroethane	97	3.404	3.387	(0.809)	125299	53.5522	53.6
	30 Tetrahydrofuran	42	3.181	3.170	(0.756)	75533	36.4547	36.4
	34 cyclohexane	56	3.471	3.455	(0.824)	191673	49.0331	49.0
	37 Isobutyl alcohol	43	3.187	3.170	(0.757)	15837	35.3407	35.3
	35 Carbon Tetrachloride	117	3.595	3.579	(0.854)	111444	54.5728	54.6
	36 1,1-Dichloropropene	75	3.595	3.584	(0.854)	122623	51.5524	51.6
	38 Benzene	78	3.848	3.832	(0.914)	396777	51.1975	51.2
	141 isopropyl acetate	61	3.869	3.874	(0.919)	16289	286.869	287(Q)
	39 1,2-Dichloroethane	62	3.874	3.858	(0.920)	103646	52.6152	52.6
*	40 Fluorobenzene	96	4.210	4.194	(1.000)	339811	50.0000	
	41 Trichloroethene	95	4.654	4.649	(1.106)	108540	53.5047	53.5
	139 Methylcyclohexane	55	4.877	4.866	(1.158)	144152	48.1270	48.1
	42 1,2-Dichloropropane	63	4.913	4.902	(1.167)	112664	53.1321	53.1
	43 Dibromomethane	93	5.047	5.041	(1.199)	69179	53.3200	53.3
	44 Methyl methacrylate	69	5.104	5.098	(1.212)	77797	46.8060	46.8
	143 2,2,4-Trimethylpentane	57	3.972	3.961	(0.944)	270691	41.5734	41.6
	144 1,4-Dioxane	88	5.094	5.109	(1.210)	28760	23282.8	23300(Q)
	45 Bromodichloromethane	83	5.244	5.238	(1.246)	124682	51.1767	51.2
	46 2-Chloroethyl vinyl ether	63	5.616	5.615	(0.757)	76752	22.9497	22.9
	47 cis-1,3-Dichloropropene	75	5.755	5.749	(0.776)	153334	49.6861	49.7
	48 4-Methyl-2-Pentanone	43	5.946	5.941	(0.801)	658515	265.333	265
$	49 Toluene-d8	98	6.040	6.034	(0.814)	315339	52.3340	52.3
	50 Toluene	91	6.107	6.101	(0.823)	439971	53.0337	53.0
	51 trans-1,3-Dichloropropene	75	6.370	6.359	(0.859)	125030	48.0758	48.1
	52 Ethyl Methacrylate	69	6.500	6.494	(0.876)	151244	48.4664	48.5
	53 1,1,2-Trichloroethane	83	6.546	6.540	(0.882)	82002	53.1878	53.2
	54 Tetrachloroethene	166	6.675	6.669	(0.900)	135682	45.6653	45.7
	55 1,3-Dichloropropane	76	6.706	6.700	(0.904)	166569	53.0215	53.0
	56 2-Hexanone	43	6.815	6.814	(0.919)	466755	286.135	286
	57 Dibromochloromethane	129	6.913	6.912	(0.932)	125435	51.6035	51.6
	58 1,2-Dibromoethane	107	7.001	7.000	(0.944)	120408	53.8261	53.8
*	59 Chlorobenzene-d5	117	7.420	7.419	(1.000)	305583	50.0000	
	60 Chlorobenzene	112	7.445	7.445	(1.003)	338836	52.0840	52.1
	61 1,1,1,2-Tetrachloroethane	131	7.523	7.517	(1.014)	122570	52.8324	52.8
	62 Ethylbenzene	106	7.549	7.548	(1.017)	170664	55.7783	55.8
	63 m&p-Xylene	106	7.647	7.646	(1.031)	430236	105.606	106
	65 o-Xylene	106	7.957	7.956	(1.072)	220585	54.4024	54.4
	66 Styrene	104	7.967	7.967	(1.074)	345151	50.6302	50.6
	67 Bromoform	173	8.102	8.101	(0.885)	78180	45.6461	45.6
	68 Isopropylbenzene	105	8.241	8.241	(1.111)	510462	54.1563	54.2
	69 trans-1,4-Dichloro-2-butene	53	8.500	8.499	(1.146)	33380	46.7562	46.8(Q)
	142 n-amyl acetate	70	8.133	8.132	(1.096)	394848	251772	252000(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	118419	50.0010	50.0
71 Bromobenzene	77	8.448	8.447	(1.139)	165631	50.1746	50.2
72 1,1,2,2-Tetrachloroethane	83	8.464	8.463	(0.925)	135249	56.5683	56.6
73 1,2,3-Trichloropropane	75	8.489	8.484	(0.928)	128484	52.4212	52.4
74 n-Propylbenzene	91	8.541	8.535	(0.933)	536725	57.5892	57.6
75 2-Chlorotoluene	91	8.593	8.592	(0.939)	319504	57.3346	57.3
77 1,3,5-Trimethylbenzene	105	8.665	8.665	(0.947)	366737	58.6863	58.7
76 4-Chlorotoluene	126	8.593	8.592	(0.939)	136477	57.7524	57.8
78 tert-Butylbenzene	119	8.887	8.887	(0.971)	416016	52.3094	52.3
79 1,2,4-Trimethylbenzene	105	8.918	8.918	(0.975)	363390	58.5639	58.6
80 sec-Butylbenzene	105	9.037	9.037	(0.988)	508961	57.4001	57.4
81 1,3-Dichlorobenzene	146	9.110	9.109	(0.995)	251033	54.2386	54.2
83 p-Isopropyltoluene	119	9.135	9.135	(0.998)	408223	55.3440	55.3
* 82 1,4-Dichlorobenzene-d4	152	9.151	9.150	(1.000)	135734	50.0000	
84 1,4-Dichlorobenzene	146	9.166	9.166	(1.002)	250024	53.4384	53.4
86 n-Butylbenzene	91	9.399	9.398	(1.027)	304861	55.4743	55.5
85 1,2-Dichlorobenzene	146	9.415	9.414	(1.029)	235713	54.9899	55.0
87 1,2-Dibromo-3-chloropropane	155	9.906	9.905	(1.082)	23606	45.2101	45.2
88 1,2,4-Trichlorobenzene	180	10.417	10.417	(1.138)	121016	45.5654	45.6
89 Hexachlorobutadiene	225	10.515	10.515	(1.149)	41578	44.6273	44.6
90 Naphthalene	128	10.562	10.567	(1.154)	357849	50.8990	50.9
91 1,2,3-Trichlorobenzene	180	10.417	10.417	(1.138)	121016	45.5604	45.6
92 2,methyl-naphthalene	142	11.244	11.249	(1.229)	90594	42.6811	42.7

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C02LCS.D
Lab Smp Id: 285656
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	339811	9.07
59 Chlorobenzene-d5	282684	141342	565368	305583	8.10
82 1,4-Dichlorobenze	140868	70434	281736	135734	-3.64

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.38
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.01
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285656
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: lcs
Operator: amv
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	49.5	99.06	30-170
2 Chloromethane	50.0	53.1	106.23	35-147
3 Vinyl Chloride	50.0	54.7	109.37	55-141
4 Bromomethane	50.0	66.7	133.32	30-170
5 Chloroethane	50.0	50.5	100.98	56-153
6 Trichlorofluoromet	50.0	55.2	110.41	62-150
7 Diethyl ether	50.0	51.0	101.97	70-130
8 Acrolein	1000	315	31.50	30-170
9 1,1-Dichloroethene	50.0	56.8	113.58	63-128
10 1,1,2trichlorotrif	50.0	64.1	128.27	74-153
11 Acetone	250	265	106.18	30-170
12 Iodomethane	100	112	111.82	41-170
13 Carbon Disulfide	100	116	116.18	58-152
14 allyl chloride	100	107	106.89	70-130
15 Methylene Chloride	50.0	52.7	105.46	32-164
16 Acrylonitrile	1000	1160	116.22	67-136
17 tert-Butyl Alcohol	100	123	123.00	50-150
18 1,2-Dichloroethene	50.0	57.9	115.79	71-126
19 Methyl-tert-butyl	100	103	103.40	66-147
20 n-Hexane	50.0	50.6	101.29	69-157
21 1,1-Dichloroethane	50.0	51.2	102.41	67-133
23 Vinyl Acetate	200	189	94.52	41-145
24 2,2-Dichloropropan	50.0	43.1	86.16	52-144
25 1,2-Dichloroethene	50.0	57.9	115.82	74-128
26 2-Butanone	250	268	107.05	47-189
28 1,2-dichlorotriflu	50.0	56.7	113.34	54-162
29 Bromochloromethane	50.0	59.8	119.61	54-162
31 Chloroform	50.0	56.4	112.74	74-131
33 1,1,1-Trichloroeth	50.0	53.6	107.10	69-136
35 Carbon Tetrachlori	50.0	54.6	109.15	62-143
36 1,1-Dichloropropen	50.0	51.6	103.10	75-134
37 Isobutyl alcohol	50.0	35.3	70.68	50-150
38 Benzene	50.0	51.2	102.39	78-127
39 1,2-Dichloroethane	50.0	52.6	105.23	69-139
41 Trichloroethene	50.0	53.5	107.01	74-130
42 1,2-Dichloropropan	50.0	53.1	106.26	76-129
43 Dibromomethane	50.0	53.3	106.64	73-133
44 Methyl methacrylat	50.0	46.8	93.61	70-130
45 Bromodichlorometha	50.0	51.2	102.35	69-133
47 cis-1,3-Dichloropr	50.0	49.7	99.37	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	265	106.13	61-135
50 Toluene	50.0	53.0	106.07	75-129
51 trans-1,3-Dichloro	50.0	48.1	96.15	54-123
52 Ethyl Methacrylate	50.0	48.5	96.93	59-138
53 1,1,2-Trichloroeth	50.0	53.2	106.38	77-132
54 Tetrachloroethene	50.0	45.7	91.33	60-119
55 1,3-Dichloropropan	50.0	53.0	106.04	74-126
56 2-Hexanone	250	286	114.45	57-167
57 Dibromochlorometha	50.0	51.6	103.21	66-131
58 1,2-Dibromoethane	50.0	53.8	107.65	75-126
60 Chlorobenzene	50.0	52.1	104.17	75-123
61 1,1,1,2-Tetrachlor	50.0	52.8	105.66	69-130
62 Ethylbenzene	50.0	55.8	111.56	81-126
63 m&p-Xylene	100	106	105.61	71-131
65 o-Xylene	50.0	54.4	108.80	72-127
66 Styrene	50.0	50.6	101.26	74-128
67 Bromoform	50.0	45.6	91.29	60-127
68 Isopropylbenzene	50.0	54.2	108.31	80-130
69 trans-1,4-Dichloro	50.0	46.8	93.51	50-150
71 Bromobenzene	50.0	50.2	100.35	62-139
72 1,1,2,2-Tetrachlor	50.0	56.6	113.14	69-130
73 1,2,3-Trichloropro	50.0	52.4	104.84	60-131
74 n-Propylbenzene	50.0	57.6	115.18	71-132
75 2-Chlorotoluene	50.0	57.3	114.67	72-128
76 4-Chlorotoluene	50.0	57.8	115.50	73-124
77 1,3,5-Trimethylben	50.0	58.7	117.37	74-130
78 tert-Butylbenzene	50.0	52.3	104.62	63-117
79 1,2,4-Trimethylben	50.0	58.6	117.13	73-130
80 sec-Butylbenzene	50.0	57.4	114.80	73-130
81 1,3-Dichlorobenzen	50.0	54.2	108.48	76-125
83 p-Isopropyltoluene	50.0	55.3	110.69	66-131
84 1,4-Dichlorobenzen	50.0	53.4	106.88	75-122
85 1,2-Dichlorobenzen	50.0	55.0	109.98	76-124
86 n-Butylbenzene	50.0	55.5	110.95	68-135
87 1,2-Dibromo-3-chlo	50.0	45.2	90.42	61-125
88 1,2,4-Trichloroben	50.0	45.6	91.13	60-130
89 Hexachlorobutadien	50.0	44.6	89.25	70-130
90 Naphthalene	50.0	50.9	101.80	61-135
91 1,2,3-Trichloroben	50.0	45.6	91.12	58-131
138 Methyl Acetate	50.0	72.8	145.54	30-170
34 cyclohexane	50.0	49.0	98.07	63-134
139 Methylcyclohexane	50.0	48.1	96.25	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.3	108.57	82-122
$ 49 Toluene-d8	50.0	52.3	104.67	80-120
$ 70 4-Bromofluorobenze	50.0	50.0	100.00	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285656
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	49.5	
74-87-3	Chloromethane	53.1	
75-01-4	Vinyl Chloride	54.7	
74-83-9	Bromomethane	66.7	
75-00-3	Chloroethane	50.5	
75-69-4	Trichlorofluoromethane	55.2	
354-23-4	1,2-dichlorotrifluoroethane	56.7	
60-29-7	Diethyl ether	51.0	
75-65-0	tert-Butyl Alcohol	123	
107-02-8	Acrolein	315	
76-13-1	1,1,2trichlorotrifluoroethan	64.1	
75-35-4	1,1-Dichloroethene	56.8	
67-64-1	Acetone	265	
	Iodomethane	112	
75-15-0	Carbon Disulfide	116	
107-05-1	allyl chloride	107	
75-05-8	Acetonitrile	1300	
79-20-9	Methyl Acetate	72.8	
75-09-2	Methylene Chloride	52.7	
107-13-1	Acrylonitrile	1160	
1634-04-4	Methyl-tert-butyl ether	103	
156-60-5	1,2-Dichloroethene (trans)	57.9	
	n-Hexane	50.6	
75-34-3	1,1-Dichloroethane	51.2	
108-05-4	Vinyl Acetate	189	
141-78-6	Ethyl acetate	488	
126-99-8	Chloroprene	49.0	
594-20-7	2,2-Dichloropropane	43.1	
156-59-2	1,2-Dichloroethene (cis)	57.9	
78-93-3	2-Butanone	268	
107-12-0	Propionitrile	49.6	
74-97-5	Bromochloromethane	59.8	
126-98-7	Methacrylonitrile	238	
67-66-3	Chloroform	56.4	
71-55-6	1,1,1-Trichloroethane	53.6	
	Tetrahydrofuran	36.4	
110-82-7	cyclohexane	49.0	
78-83-1	Isobutyl alcohol	35.3	
56-23-5	Carbon Tetrachloride	54.6	
563-58-6	1,1-Dichloropropene	51.6	
71-43-2	Benzene	51.2	
108-21-4	isopropyl acetate	287	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285656
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	52.6	
79-01-6	Trichloroethene	53.5	
108-87-2	Methylcyclohexane	48.1	
78-87-5	1,2-Dichloropropane	53.1	
74-95-3	Dibromomethane	53.3	
80-62-6	Methyl methacrylate	46.8	
540-84-1	2,2,4-Trimethylpentane	41.6	
	1,4-Dioxane	23300	
75-27-4	Bromodichloromethane	51.2	
110-75-8	2-Chloroethyl vinyl ether	22.9	
10061-01-5	cis-1,3-Dichloropropene	49.7	
108-10-1	4-Methyl-2-Pentanone	265	
108-88-3	Toluene	53.0	
10061-02-6	trans-1,3-Dichloropropene	48.1	
	Ethyl Methacrylate	48.5	
79-00-5	1,1,2-Trichloroethane	53.2	
127-18-4	Tetrachloroethene	45.7	
142-28-9	1,3-Dichloropropane	53.0	
591-78-6	2-Hexanone	286	
124-48-1	Dibromochloromethane	51.6	
106-93-4	1,2-Dibromoethane	53.8	
108-90-7	Chlorobenzene	52.1	
630-20-6	1,1,1,2-Tetrachloroethane	52.8	
100-41-4	Ethylbenzene	55.8	
7816-60-0	m&p-Xylene	106	
95-47-6	o-Xylene	54.4	
100-42-5	Styrene	50.6	
75-25-2	Bromoform	45.6	
98-82-8	Isopropylbenzene	54.2	
	trans-1,4-Dichloro-2-butene	46.8	
628-63-7	n-amyl acetate	252000	
108-86-1	Bromobenzene	50.2	
79-34-5	1,1,2,2-Tetrachloroethane	56.6	
96-18-4	1,2,3-Trichloropropane	52.4	
103-65-1	n-Propylbenzene	57.6	
95-49-8	2-Chlorotoluene	57.3	
108-67-8	1,3,5-Trimethylbenzene	58.7	
106-43-4	4-Chlorotoluene	57.8	
98-06-6	tert-Butylbenzene	52.3	
95-63-6	1,2,4-Trimethylbenzene	58.6	
135-98-8	sec-Butylbenzene	57.4	
541-73-1	1,3-Dichlorobenzene	54.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

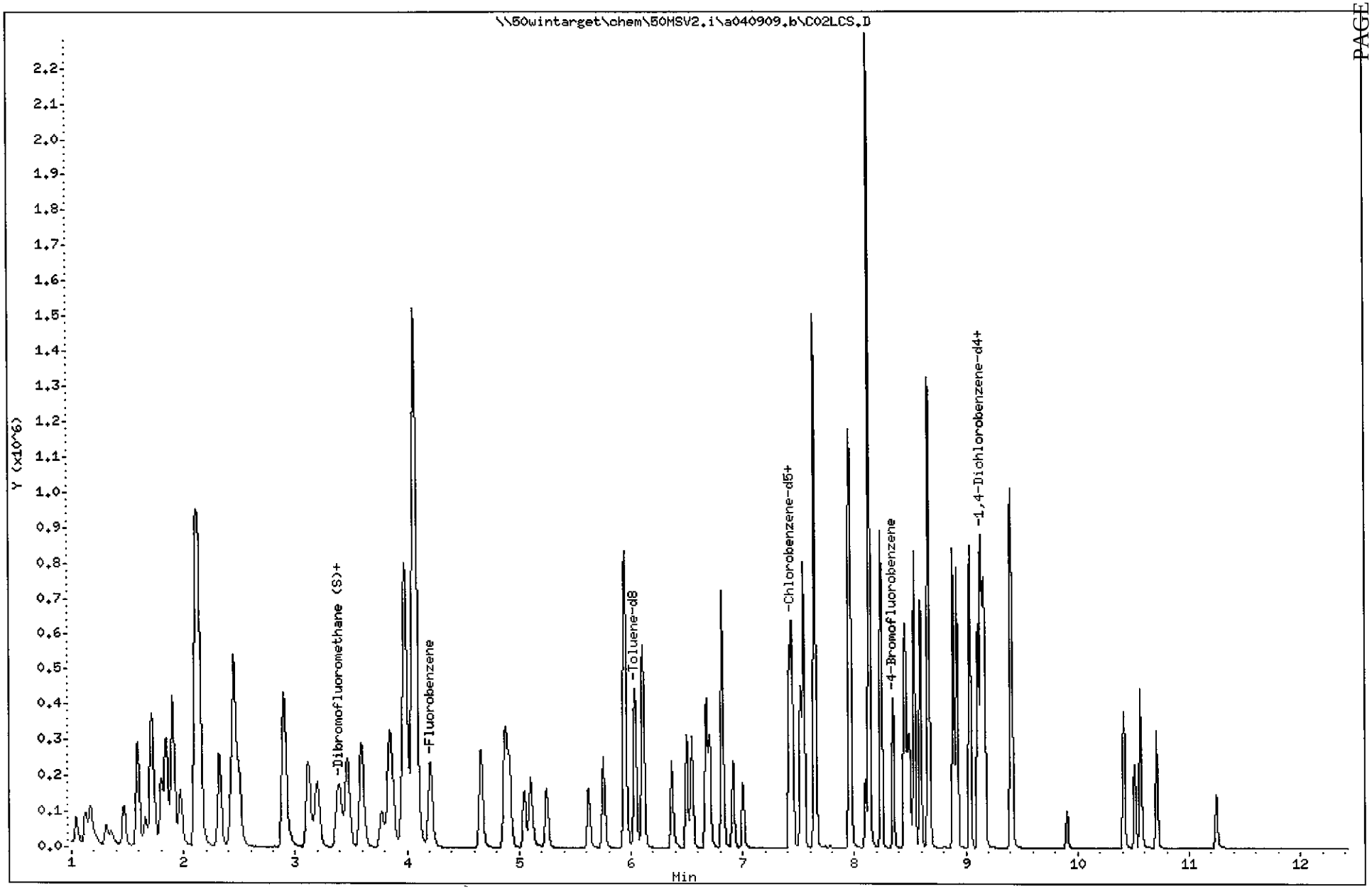
Client Name:
Lab Smp Id: 285656
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	55.3	
106-46-7	1,4-Dichlorobenzene	53.4	
104-51-8	n-Butylbenzene	55.5	
95-50-1	1,2-Dichlorobenzene	55.0	
96-12-8	1,2-Dibromo-3-chloropropane	45.2	
120-82-1	1,2,4-Trichlorobenzene	45.6	
87-68-3	Hexachlorobutadiene	44.6	
91-20-3	Naphthalene	50.9	
87-61-6	1,2,3-Trichlorobenzene	45.6	
	2,methyl-naphthalene	42.7	
1868-53-7	Dibromofluoromethane (S)	54.3	
2037-26-5	Toluene-d8	52.3	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C02LCS.D
Date : 10-APR-2009 00:30
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amw
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C11.D
Lab Smp Id: 285657 Client Smp ID: ms55010
Inj Date : 10-APR-2009 05:34
Operator : amv Inst ID: 50MSV2.i
Smp Info : ms5025055010
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 65 QC Sample: MS
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	1.036	1.031	(0.246)	114842	45.3955	45.4
2 Chloromethane	50	1.119	1.119	(0.266)	179059	48.8337	48.8
3 Vinyl Chloride	62	1.165	1.160	(0.277)	142558	53.0590	53.0
4 Bromomethane	94	1.300	1.294	(0.309)	44020	41.6458	41.6
5 Chloroethane	64	1.346	1.341	(0.320)	72795	64.7302	64.7
6 Trichlorofluoromethane	101	1.460	1.454	(0.347)	108400	57.4076	57.4
28 1,2-dichlorotrifluoroethane	67	1.584	1.573	(0.376)	114976	57.5984	57.6
7 Diethyl ether	74	1.589	1.584	(0.378)	44763	48.2227	48.2
17 tert-Butyl Alcohol	59	1.589	1.584	(0.378)	75670	113.825	114
8 Acrolein	56	1.651	1.646	(0.392)	312375	1012.52	1010
10 1,1,2trichlorotrifluoroethane	101	1.708	1.697	(0.406)	88880	61.4466	61.4
9 1,1-Dichloroethene	96	1.713	1.703	(0.407)	78624	55.3528	55.4
11 Acetone	43	1.729	1.723	(0.411)	126306	218.558	218
12 Iodomethane	142	1.796	1.790	(0.427)	404414	146.767	147
13 Carbon Disulfide	76	1.837	1.832	(0.436)	563708	111.149	111
145 Acetonitrile	41	1.217	1.201	(0.289)	1954	2425.38	2420(Q)
138 Methyl Acetate	43	1.904	1.899	(0.452)	91032	50.4437	50.4
15 Methylene Chloride	84	1.966	1.956	(0.467)	80069	47.6613	47.7
16 Acrylonitrile	53	2.106	2.101	(0.500)	791534	981.929	982
19 Methyl-tert-butyl ether	73	2.137	2.126	(0.508)	398072	92.9714	93.0
18 1,2-Dichloroethene (trans)	96	2.137	2.126	(0.508)	93908	54.6341	54.6
20 n-Hexane	57	2.318	2.307	(0.551)	135410	45.7683	45.8
21 1,1-Dichloroethane	63	2.421	2.411	(0.575)	166266	47.2219	47.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	23 Vinyl Acetate	43	2.447	2.442	(0.581)	656700	125.484	125
	140 Ethyl acetate	88	2.499	2.483	(0.594)	84459	468.356	468(Q)
	147 Chloroprene	53	2.493	2.483	(0.592)	143140	47.6200	47.6
	24 2,2-Dichloropropane	77	2.897	2.886	(0.688)	83904	39.4819	39.5
	25 1,2-Dichloroethene (cis)	96	2.897	2.886	(0.688)	118778	53.3049	53.3
	26 2-Butanone	43	2.907	2.896	(0.691)	257788	219.022	219
	27 Propionitrile	54	2.953	2.953	(0.702)	15742	40.9375	40.9
	29 Bromochloromethane	49	3.119	3.108	(0.741)	113308	54.0929	54.1
	146 Methacrylonitrile	41	3.103	3.098	(0.737)	90393	161.143	161
	31 Chloroform	83	3.207	3.196	(0.762)	143833	51.2875	51.3
$	32 Dibromofluoromethane (S)	113	3.377	3.362	(0.802)	95761	54.5561	54.6
	33 1,1,1-Trichloroethane	97	3.403	3.387	(0.808)	116410	50.1460	50.1
	34 cyclohexane	56	3.470	3.455	(0.824)	177463	45.7519	45.8
	35 Carbon Tetrachloride	117	3.594	3.579	(0.854)	104248	51.4097	51.4
	36 1,1-Dichloropropene	75	3.594	3.584	(0.854)	114325	48.3590	48.4
	38 Benzene	78	3.848	3.832	(0.914)	357329	46.2156	46.2
	141 isopropyl acetate	61	3.873	3.874	(0.920)	14560	260.723	261(Q)
	39 1,2-Dichloroethane	62	3.868	3.858	(0.919)	98241	50.0567	50.0
*	40 Fluorobenzene	96	4.209	4.194	(1.000)	339015	50.0000	
	41 Trichloroethene	95	4.659	4.649	(1.107)	98228	48.8059	48.8
	139 Methylcyclohexane	55	4.876	4.866	(1.158)	128296	43.1799	43.2
	42 1,2-Dichloropropane	63	4.917	4.902	(1.168)	99955	47.5856	47.6
	43 Dibromomethane	93	5.047	5.041	(1.199)	59333	46.1729	46.2
	44 Methyl methacrylate	69	5.109	5.098	(1.214)	64838	39.4548	39.4
	143 2,2,4-Trimethylpentane	57	3.972	3.961	(0.944)	235810	36.6673	36.7
	144 1,4-Dioxane	88	5.098	5.109	(1.211)	20739	17239.3	17200(Q)
	45 Bromodichloromethane	83	5.248	5.238	(1.247)	110002	45.5948	45.6
	47 cis-1,3-Dichloropropene	75	5.760	5.749	(0.775)	132700	44.3890	44.4
	48 4-Methyl-2-Pentanone	43	5.951	5.941	(0.801)	563118	234.225	234
$	49 Toluene-d8	98	6.044	6.034	(0.814)	302453	51.8170	51.8
	50 Toluene	91	6.111	6.101	(0.823)	390824	48.6314	48.6
	51 trans-1,3-Dichloropropene	75	6.375	6.359	(0.858)	106470	42.2618	42.3
	52 Ethyl Methacrylate	69	6.504	6.494	(0.875)	128467	42.8247	42.8
	53 1,1,2-Trichloroethane	83	6.551	6.540	(0.882)	71076	47.8281	47.8
	54 Tetrachloroethene	166	6.680	6.669	(0.899)	117595	40.6733	40.7
	55 1,3-Dichloropropane	76	6.711	6.700	(0.903)	143121	47.0294	47.0
	56 2-Hexanone	43	6.825	6.814	(0.919)	392588	248.443	248
	57 Dibromochloromethane	129	6.918	6.912	(0.931)	106932	45.8030	45.8
	58 1,2-Dibromoethane	107	7.011	7.000	(0.944)	101745	46.9525	47.0
*	59 Chlorobenzene-d5	117	7.429	7.419	(1.000)	296020	50.0000	
	60 Chlorobenzene	112	7.450	7.445	(1.003)	291306	46.2245	46.2
	61 1,1,1,2-Tetrachloroethane	131	7.528	7.517	(1.013)	106617	47.6886	47.7
	62 Ethylbenzene	106	7.553	7.548	(1.017)	149459	50.4259	50.4
	63 m&p-Xylene	106	7.652	7.646	(1.030)	371907	94.2373	94.2
	65 o-Xylene	106	7.962	7.956	(1.072)	190400	48.4750	48.5
	66 Styrene	104	7.977	7.967	(1.074)	298262	45.1655	45.2
	67 Bromoform	173	8.106	8.101	(0.885)	64621	40.8199	40.8
	68 Isopropylbenzene	105	8.246	8.241	(1.110)	444780	48.6870	48.7
	69 trans-1,4-Dichloro-2-butene	53	8.504	8.499	(1.145)	23861	35.2043	35.2
	142 n-amyl acetate	70	8.137	8.132	(1.095)	282985	186253	186000(Q)
$	70 4-Bromofluorobenzene	95	8.355	8.349	(1.125)	113505	49.4744	49.5
	71 Bromobenzene	77	8.458	8.447	(1.138)	141680	44.4542	44.4
	72 1,1,2,2-Tetrachloroethane	83	8.468	8.463	(0.924)	114225	50.7957	50.8
	73 1,2,3-Trichloropropane	75	8.494	8.484	(0.927)	101034	43.8281	43.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.546	8.535	(0.933)	451526	51.7585	51.8
75 2-Chlorotoluene	91	8.597	8.592	(0.939)	266853	51.2508	51.2
77 1,3,5-Trimethylbenzene	105	8.670	8.665	(0.946)	314716	53.6283	53.6
76 4-Chlorotoluene	126	8.603	8.592	(0.939)	115271	51.8630	51.9
78 tert-Butylbenzene	119	8.892	8.887	(0.971)	355662	47.6603	47.7
79 1,2,4-Trimethylbenzene	105	8.928	8.918	(0.975)	307279	52.8120	52.8
80 sec-Butylbenzene	105	9.042	9.037	(0.987)	431303	51.9176	51.9
81 1,3-Dichlorobenzene	146	9.114	9.109	(0.995)	205371	47.5504	47.6
83 p-Isopropyltoluene	119	9.140	9.135	(0.998)	346390	50.0924	50.1
* 82 1,4-Dichlorobenzene-d4	152	9.161	9.150	(1.000)	127662	50.0000	
84 1,4-Dichlorobenzene	146	9.176	9.166	(1.002)	205952	47.1374	47.1
86 n-Butylbenzene	91	9.404	9.398	(1.027)	246341	47.8716	47.9
85 1,2-Dichlorobenzene	146	9.419	9.414	(1.028)	193309	48.2467	48.2
87 1,2-Dibromo-3-chloropropane	155	9.910	9.905	(1.082)	17964	38.1902	38.2
88 1,2,4-Trichlorobenzene	180	10.422	10.417	(1.138)	87541	36.2615	36.3
89 Hexachlorobutadiene	225	10.520	10.515	(1.148)	31857	37.3146	37.3
90 Naphthalene	128	10.572	10.567	(1.154)	265926	41.0735	41.1
91 1,2,3-Trichlorobenzene	180	10.422	10.417	(1.138)	87541	36.2632	36.3
92 2,methyl-naphthalene	142	11.254	11.249	(1.228)	37767	29.9409	29.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C11.D
Lab Smp Id: 285657
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: ms55010
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	339015	8.82
59 Chlorobenzene-d5	282684	141342	565368	296020	4.72
82 1,4-Dichlorobenze	140868	70434	281736	127662	-9.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.37
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.14
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285657
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: ms55010
Operator: amv
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	45.4	90.79	30-170
2 Chloromethane	50.0	48.8	97.67	35-147
3 Vinyl Chloride	50.0	53.0	106.12	55-141
4 Bromomethane	50.0	41.6	83.29	30-170
5 Chloroethane	50.0	64.7	129.46	56-153
6 Trichlorofluoromet	50.0	57.4	114.82	62-150
7 Diethyl ether	50.0	48.2	96.45	70-130
8 Acrolein	1000	1010	101.25	30-170
9 1,1-Dichloroethene	50.0	55.4	110.71	63-128
10 1,1,2trichlorotrif	50.0	61.4	122.89	74-153
11 Acetone	250	218	87.42	30-170
12 Iodomethane	100	147	146.77	41-170
13 Carbon Disulfide	100	111	111.15	58-152
14 allyl chloride	100	0.000	*	70-130
15 Methylene Chloride	50.0	47.7	95.32	32-164
16 Acrylonitrile	1000	982	98.19	67-136
17 tert-Butyl Alcohol	100	114	113.82	50-150
18 1,2-Dichloroethene	50.0	54.6	109.27	71-126
19 Methyl-tert-butyl	100	93.0	92.97	66-147
20 n-Hexane	50.0	45.8	91.54	69-157
21 1,1-Dichloroethane	50.0	47.2	94.44	67-133
23 Vinyl Acetate	200	125	62.74	41-145
24 2,2-Dichloropropan	50.0	39.5	78.96	52-144
25 1,2-Dichloroethene	50.0	53.3	106.61	74-128
26 2-Butanone	250	219	87.61	47-189
28 1,2-dichlorotriflu	50.0	57.6	115.20	54-162
29 Bromochloromethane	50.0	54.1	108.19	54-162
31 Chloroform	50.0	51.3	102.58	74-131
33 1,1,1-Trichloroeth	50.0	50.1	100.29	69-136
35 Carbon Tetrachlori	50.0	51.4	102.82	62-143
36 1,1-Dichloropropen	50.0	48.4	96.72	75-134
37 Isobutyl alcohol	50.0	0.000	*	50-150
38 Benzene	50.0	46.2	92.43	78-127
39 1,2-Dichloroethane	50.0	50.0	100.11	69-139
41 Trichloroethene	50.0	48.8	97.61	74-130
42 1,2-Dichloropropan	50.0	47.6	95.17	76-129
43 Dibromomethane	50.0	46.2	92.35	73-133
44 Methyl methacrylat	50.0	39.4	78.91	70-130
45 Bromodichlorometha	50.0	45.6	91.19	69-133
47 cis-1,3-Dichloropr	50.0	44.4	88.78	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	234	93.69	61-135
50 Toluene	50.0	48.6	97.26	75-129
51 trans-1,3-Dichloro	50.0	42.3	84.52	54-123
52 Ethyl Methacrylate	50.0	42.8	85.65	59-138
53 1,1,2-Trichloroeth	50.0	47.8	95.66	77-132
54 Tetrachloroethene	50.0	40.7	81.35	60-119
55 1,3-Dichloropropan	50.0	47.0	94.06	74-126
56 2-Hexanone	250	248	99.38	57-167
57 Dibromochlorometha	50.0	45.8	91.61	66-131
58 1,2-Dibromoethane	50.0	47.0	93.91	75-126
60 Chlorobenzene	50.0	46.2	92.45	75-123
61 1,1,1,2-Tetrachlor	50.0	47.7	95.38	69-130
62 Ethylbenzene	50.0	50.4	100.85	81-126
63 m&p-Xylene	100	94.2	94.24	71-131
65 o-Xylene	50.0	48.5	96.95	72-127
66 Styrene	50.0	45.2	90.33	74-128
67 Bromoform	50.0	40.8	81.64	60-127
68 Isopropylbenzene	50.0	48.7	97.37	80-130
69 trans-1,4-Dichloro	50.0	35.2	70.41	50-150
71 Bromobenzene	50.0	44.4	88.91	62-139
72 1,1,2,2-Tetrachlor	50.0	50.8	101.59	69-130
73 1,2,3-Trichloropro	50.0	43.8	87.66	60-131
74 n-Propylbenzene	50.0	51.8	103.52	71-132
75 2-Chlorotoluene	50.0	51.2	102.50	72-128
76 4-Chlorotoluene	50.0	51.9	103.73	73-124
77 1,3,5-Trimethylben	50.0	53.6	107.26	74-130
78 tert-Butylbenzene	50.0	47.7	95.32	63-117
79 1,2,4-Trimethylben	50.0	52.8	105.62	73-130
80 sec-Butylbenzene	50.0	51.9	103.84	73-130
81 1,3-Dichlorobenzen	50.0	47.6	95.10	76-125
83 p-Isopropyltoluene	50.0	50.1	100.18	66-131
84 1,4-Dichlorobenzen	50.0	47.1	94.27	75-122
85 1,2-Dichlorobenzen	50.0	48.2	96.49	76-124
86 n-Butylbenzene	50.0	47.9	95.74	68-135
87 1,2-Dibromo-3-chlo	50.0	38.2	76.38	61-125
88 1,2,4-Trichloroben	50.0	36.3	72.52	60-130
89 Hexachlorobutadien	50.0	37.3	74.63	70-130
90 Naphthalene	50.0	41.1	82.15	61-135
91 1,2,3-Trichloroben	50.0	36.3	72.53	58-131
138 Methyl Acetate	50.0	50.4	100.89	30-170
34 cyclohexane	50.0	45.8	91.50	63-134
139 Methylcyclohexane	50.0	43.2	86.36	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.6	109.11	82-122
$ 49 Toluene-d8	50.0	51.8	103.63	80-120
$ 70 4-Bromofluorobenze	50.0	49.5	98.95	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285657
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: ms55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	45.4	
74-87-3	Chloromethane	48.8	
75-01-4	Vinyl Chloride	53.0	
74-83-9	Bromomethane	41.6	
75-00-3	Chloroethane	64.7	
75-69-4	Trichlorofluoromethane	57.4	
354-23-4	1,2-dichlorotrifluoroethane	57.6	
60-29-7	Diethyl ether	48.2	
75-65-0	tert-Butyl Alcohol	114	
107-02-8	Acrolein	1010	
76-13-1	1,1,2trichlorotrifluoroethan	61.4	
75-35-4	1,1-Dichloroethene	55.4	
67-64-1	Acetone	218	
	Iodomethane	147	
75-15-0	Carbon Disulfide	111	
75-05-8	Acetonitrile	2420	
79-20-9	Methyl Acetate	50.4	
75-09-2	Methylene Chloride	47.7	
107-13-1	Acrylonitrile	982	
1634-04-4	Methyl-tert-butyl ether	93.0	
156-60-5	1,2-Dichloroethene (trans)	54.6	
	n-Hexane	45.8	
75-34-3	1,1-Dichloroethane	47.2	
108-05-4	Vinyl Acetate	125	
141-78-6	Ethyl acetate	468	
126-99-8	Chloroprene	47.6	
594-20-7	2,2-Dichloropropane	39.5	
156-59-2	1,2-Dichloroethene (cis)	53.3	
78-93-3	2-Butanone	219	
107-12-0	Propionitrile	40.9	
74-97-5	Bromochloromethane	54.1	
126-98-7	Methacrylonitrile	161	
67-66-3	Chloroform	51.3	
71-55-6	1,1,1-Trichloroethane	50.1	
110-82-7	cyclohexane	45.8	
56-23-5	Carbon Tetrachloride	51.4	
563-58-6	1,1-Dichloropropene	48.4	
71-43-2	Benzene	46.2	
108-21-4	isopropyl acetate	261	
107-06-2	1,2-Dichloroethane	50.0	
79-01-6	Trichloroethene	48.8	
108-87-2	Methylcyclohexane	43.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285657
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: ms55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	47.6	
74-95-3	Dibromomethane	46.2	
80-62-6	Methyl methacrylate	39.4	
540-84-1	2,2,4-Trimethylpentane	36.7	
	1,4-Dioxane	17200	
75-27-4	Bromodichloromethane	45.6	
10061-01-5	cis-1,3-Dichloropropene	44.4	
108-10-1	4-Methyl-2-Pentanone	234	
108-88-3	Toluene	48.6	
10061-02-6	trans-1,3-Dichloropropene	42.3	
	Ethyl Methacrylate	42.8	
79-00-5	1,1,2-Trichloroethane	47.8	
127-18-4	Tetrachloroethene	40.7	
142-28-9	1,3-Dichloropropane	47.0	
591-78-6	2-Hexanone	248	
124-48-1	Dibromochloromethane	45.8	
106-93-4	1,2-Dibromoethane	47.0	
108-90-7	Chlorobenzene	46.2	
630-20-6	1,1,1,2-Tetrachloroethane	47.7	
100-41-4	Ethylbenzene	50.4	
7816-60-0	m&p-Xylene	94.2	
95-47-6	o-Xylene	48.5	
100-42-5	Styrene	45.2	
75-25-2	Bromoform	40.8	
98-82-8	Isopropylbenzene	48.7	
	trans-1,4-Dichloro-2-butene	35.2	
628-63-7	n-amyl acetate	186000	
108-86-1	Bromobenzene	44.4	
79-34-5	1,1,2,2-Tetrachloroethane	50.8	
96-18-4	1,2,3-Trichloropropane	43.8	
103-65-1	n-Propylbenzene	51.8	
95-49-8	2-Chlorotoluene	51.2	
108-67-8	1,3,5-Trimethylbenzene	53.6	
106-43-4	4-Chlorotoluene	51.9	
98-06-6	tert-Butylbenzene	47.7	
95-63-6	1,2,4-Trimethylbenzene	52.8	
135-98-8	sec-Butylbenzene	51.9	
541-73-1	1,3-Dichlorobenzene	47.6	
99-87-6	p-Isopropyltoluene	50.1	
106-46-7	1,4-Dichlorobenzene	47.1	
104-51-8	n-Butylbenzene	47.9	
95-50-1	1,2-Dichlorobenzene	48.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

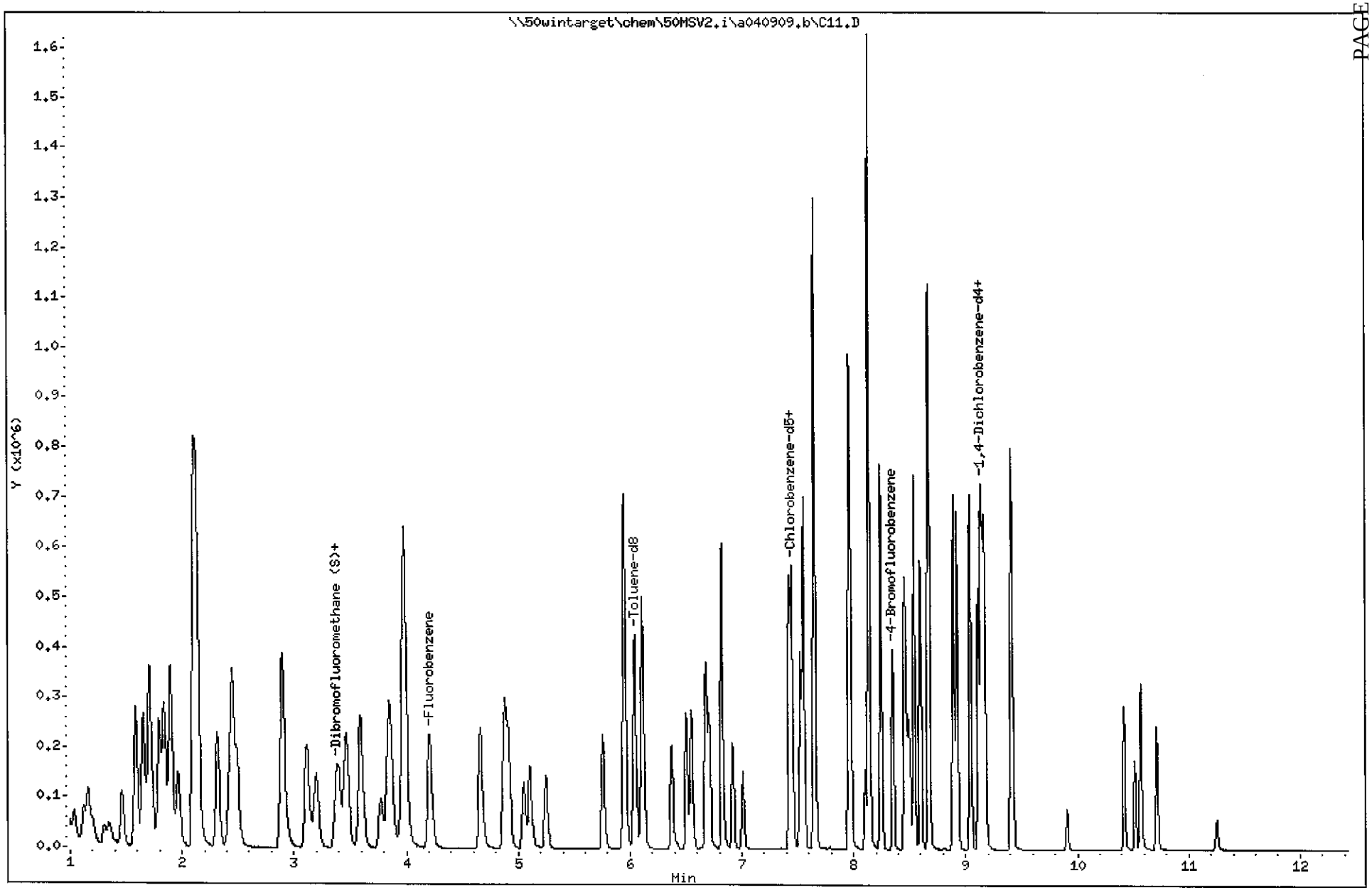
Client Name:
Lab Smp Id: 285657
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: ms55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	38.2	
120-82-1	1,2,4-Trichlorobenzene	36.3	
87-68-3	Hexachlorobutadiene	37.3	
91-20-3	Naphthalene	41.1	
87-61-6	1,2,3-Trichlorobenzene	36.3	
	2,methyl-naphthalene	29.9	
1868-53-7	Dibromofluoromethane (S)	54.6	
2037-26-5	Toluene-d8	51.8	
460-00-4	4-Bromofluorobenzene	49.5	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C11.D
Date : 10-APR-2009 05:34
Client ID: ms55010
Sample Info: ms5025055010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C12.D
Lab Smp Id: 285658 Client Smp ID: msd55010
Inj Date : 10-APR-2009 06:07
Operator : amv Inst ID: 50MSV2.i
Smp Info : msd5025055010
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 67 QC Sample: MSD
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	1.042	1.031	(0.247)	120957	45.8433	45.8
2 Chloromethane	50	1.125	1.119	(0.267)	187364	49.0533	49.0
3 Vinyl Chloride	62	1.166	1.160	(0.277)	141968	50.7243	50.7
4 Bromomethane	94	1.311	1.294	(0.311)	47123	43.5094	43.5
5 Chloroethane	64	1.357	1.341	(0.322)	65206	55.4669	55.5
6 Trichlorofluoromethane	101	1.471	1.454	(0.349)	107654	54.6620	54.7
28 1,2-dichlorotrifluoroethane	67	1.590	1.573	(0.377)	115718	55.5609	55.6
7 Diethyl ether	74	1.595	1.584	(0.378)	44937	46.3920	46.4
17 tert-Butyl Alcohol	59	1.595	1.584	(0.378)	74653	107.256	107
8 Acrolein	56	1.657	1.646	(0.393)	303670	946.166	946
10 1,1,2trichlorotrifluoroethane	101	1.714	1.697	(0.407)	92221	61.2005	61.2
9 1,1-Dichloroethene	96	1.719	1.703	(0.408)	79652	53.8016	53.8
11 Acetone	43	1.735	1.723	(0.412)	120368	198.480	198
12 Iodomethane	142	1.802	1.790	(0.427)	394135	136.881	137
13 Carbon Disulfide	76	1.848	1.832	(0.439)	585208	110.777	111
145 Acetonitrile	41	1.207	1.201	(0.287)	1511	2097.83	2100(Q)
138 Methyl Acetate	43	1.910	1.899	(0.453)	91121	48.5228	48.5
15 Methylene Chloride	84	1.972	1.956	(0.468)	82442	47.1207	47.1
16 Acrylonitrile	53	2.112	2.101	(0.501)	781666	926.772	927
19 Methyl-tert-butyl ether	73	2.143	2.126	(0.508)	394655	88.4838	88.5
18 1,2-Dichloroethene (trans)	96	2.143	2.126	(0.508)	95797	53.5222	53.5
20 n-Hexane	57	2.324	2.307	(0.551)	158894	51.3279	51.3
21 1,1-Dichloroethane	63	2.427	2.411	(0.576)	167348	45.6267	45.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.458	2.442	(0.583)	673412	123.526	124
	140 Ethyl acetate	88	2.500	2.483	(0.593)	85895	458.176	458(Q)
	147 Chloroprene	53	2.500	2.483	(0.593)	145374	46.4904	46.5
	24 2,2-Dichloropropane	77	2.903	2.886	(0.689)	83214	37.4817	37.5
	25 1,2-Dichloroethene (cis)	96	2.903	2.886	(0.689)	120570	51.9432	51.9
	26 2-Butanone	43	2.913	2.896	(0.691)	252009	205.542	206
	27 Propionitrile	54	2.965	2.953	(0.703)	15940	39.7931	39.8
	29 Bromochloromethane	49	3.130	3.108	(0.743)	114990	52.6985	52.7
	146 Methacrylonitrile	41	3.120	3.098	(0.740)	91069	154.046	154
	31 Chloroform	83	3.213	3.196	(0.762)	144395	49.4269	49.4
$	32 Dibromofluoromethane (S)	113	3.383	3.362	(0.803)	97406	53.2720	53.3
	33 1,1,1-Trichloroethane	97	3.409	3.387	(0.809)	117645	48.7692	48.8
	34 cyclohexane	56	3.476	3.455	(0.825)	186388	46.1010	46.1
	35 Carbon Tetrachloride	117	3.606	3.579	(0.855)	107524	50.9408	50.9
	36 1,1-Dichloropropene	75	3.600	3.584	(0.854)	116479	47.3591	47.4
	38 Benzene	78	3.854	3.832	(0.914)	363727	45.1601	45.2
	141 isopropyl acetate	61	3.880	3.874	(0.920)	14717	254.042	254(Q)
	39 1,2-Dichloroethane	62	3.880	3.858	(0.920)	97875	47.9335	47.9
*	40 Fluorobenzene	96	4.215	4.194	(1.000)	353151	50.0000	
	41 Trichloroethene	95	4.665	4.649	(1.107)	99821	47.6834	47.7
	139 Methylcyclohexane	55	4.882	4.866	(1.158)	139531	44.9810	45.0
	42 1,2-Dichloropropane	63	4.918	4.902	(1.167)	102937	47.0782	47.1
	43 Dibromomethane	93	5.053	5.041	(1.199)	60429	45.1966	45.2
	44 Methyl methacrylate	69	5.110	5.098	(1.212)	66689	38.9839	39.0
	143 2,2,4-Trimethylpentane	57	3.983	3.961	(0.945)	274771	40.6731	40.7
	144 1,4-Dioxane	88	5.110	5.109	(1.212)	20177	16198.6	16200(Q)
	45 Bromodichloromethane	83	5.254	5.238	(1.246)	112167	44.6929	44.7
	47 cis-1,3-Dichloropropene	75	5.761	5.749	(0.775)	138012	45.0462	45.0
	48 4-Methyl-2-Pentanone	43	5.952	5.941	(0.801)	557922	226.436	226
$	49 Toluene-d8	98	6.045	6.034	(0.814)	314303	52.5412	52.5
	50 Toluene	91	6.117	6.101	(0.823)	402650	48.8878	48.9
	51 trans-1,3-Dichloropropene	75	6.376	6.359	(0.858)	109312	42.3375	42.3
	52 Ethyl Methacrylate	69	6.505	6.494	(0.875)	130825	42.5699	42.6
	53 1,1,2-Trichloroethane	83	6.557	6.540	(0.882)	70438	46.3238	46.3
	54 Tetrachloroethene	166	6.686	6.669	(0.900)	126646	42.8352	42.8
	55 1,3-Dichloropropane	76	6.712	6.700	(0.903)	145785	46.7429	46.7
	56 2-Hexanone	43	6.826	6.814	(0.919)	385686	238.155	238
	57 Dibromochloromethane	129	6.924	6.912	(0.932)	109304	45.6920	45.7
	58 1,2-Dibromoethane	107	7.012	7.000	(0.944)	101663	45.7768	45.8
*	59 Chlorobenzene-d5	117	7.430	7.419	(1.000)	303378	50.0000	
	60 Chlorobenzene	112	7.451	7.445	(1.003)	302338	46.8115	46.8
	61 1,1,1,2-Tetrachloroethane	131	7.528	7.517	(1.013)	110601	48.2411	48.2
	62 Ethylbenzene	106	7.554	7.548	(1.017)	155574	51.2160	51.2
	63 m&p-Xylene	106	7.652	7.646	(1.030)	387116	95.7121	95.7
	65 o-Xylene	106	7.963	7.956	(1.072)	200306	49.7601	49.8
	66 Styrene	104	7.978	7.967	(1.074)	307875	45.4904	45.5
	67 Bromoform	173	8.107	8.101	(0.885)	65570	39.4392	39.4
	68 Isopropylbenzene	105	8.247	8.241	(1.110)	467550	49.9447	49.9
	69 trans-1,4-Dichloro-2-butene	53	8.510	8.499	(1.145)	26072	37.3562	37.4
	142 n-amyl acetate	70	8.138	8.132	(1.095)	292870	188084	188000(Q)
$	70 4-Bromofluorobenzene	95	8.355	8.349	(1.125)	117266	49.8740	49.9
	71 Bromobenzene	77	8.459	8.447	(1.138)	181442	55.2323	55.2
	72 1,1,2,2-Tetrachloroethane	83	8.469	8.463	(0.924)	115397	48.5794	48.6
	73 1,2,3-Trichloropropane	75	8.495	8.484	(0.927)	104165	42.7758	42.8(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.547	8.535	(0.933)	488592	52.9625	53.0
75 2-Chlorotoluene	91	8.598	8.592	(0.939)	285531	51.8739	51.9
77 1,3,5-Trimethylbenzene	105	8.671	8.665	(0.946)	333193	53.7459	53.7
76 4-Chlorotoluene	126	8.598	8.592	(0.939)	122681	52.2524	52.2
78 tert-Butylbenzene	119	8.893	8.887	(0.971)	380506	48.2537	48.2
79 1,2,4-Trimethylbenzene	105	8.929	8.918	(0.975)	326482	53.1098	53.1
80 sec-Butylbenzene	105	9.043	9.037	(0.987)	463667	52.8002	52.8
81 1,3-Dichlorobenzene	146	9.115	9.109	(0.995)	218781	47.9289	47.9
83 p-Isopropyltoluene	119	9.141	9.135	(0.998)	372365	50.9469	50.9
* 82 1,4-Dichlorobenzene-d4	152	9.162	9.150	(1.000)	134856	50.0000	
84 1,4-Dichlorobenzene	146	9.177	9.166	(1.002)	216605	46.9428	46.9
86 n-Butylbenzene	91	9.405	9.398	(1.027)	273763	50.2843	50.3
85 1,2-Dichlorobenzene	146	9.420	9.414	(1.028)	206381	48.7366	48.7
87 1,2-Dibromo-3-chloropropane	155	9.911	9.905	(1.082)	18866	38.0173	38.0
88 1,2,4-Trichlorobenzene	180	10.423	10.417	(1.138)	94163	36.8276	36.8
89 Hexachlorobutadiene	225	10.521	10.515	(1.148)	34837	38.4461	38.4
90 Naphthalene	128	10.573	10.567	(1.154)	277533	40.6287	40.6
91 1,2,3-Trichlorobenzene	180	10.423	10.417	(1.138)	94163	36.8288	36.8
92 2,methyl-naphthalene	142	11.255	11.249	(1.228)	50493	32.6352	32.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C12.D
Lab Smp Id: 285658
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: msd55010
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	353151	13.36
59 Chlorobenzene-d5	282684	141342	565368	303378	7.32
82 1,4-Dichlorobenze	140868	70434	281736	134856	-4.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.52
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.15
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285658
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: msd55010
Operator: amv
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	45.8	91.69	30-170
2 Chloromethane	50.0	49.0	98.11	35-147
3 Vinyl Chloride	50.0	50.7	101.45	55-141
4 Bromomethane	50.0	43.5	87.02	30-170
5 Chloroethane	50.0	55.5	110.93	56-153
6 Trichlorofluoromet	50.0	54.7	109.32	62-150
7 Diethyl ether	50.0	46.4	92.78	70-130
8 Acrolein	1000	946	94.62	30-170
9 1,1-Dichloroethene	50.0	53.8	107.60	63-128
10 1,1,2trichlorotrif	50.0	61.2	122.40	74-153
11 Acetone	250	198	79.39	30-170
12 Iodomethane	100	137	136.88	41-170
13 Carbon Disulfide	100	111	110.78	58-152
14 allyl chloride	100	0.000	*	70-130
15 Methylene Chloride	50.0	47.1	94.24	32-164
16 Acrylonitrile	1000	927	92.68	67-136
17 tert-Butyl Alcohol	100	107	107.26	50-150
18 1,2-Dichloroethene	50.0	53.5	107.04	71-126
19 Methyl-tert-butyl	100	88.5	88.48	66-147
20 n-Hexane	50.0	51.3	102.66	69-157
21 1,1-Dichloroethane	50.0	45.6	91.25	67-133
23 Vinyl Acetate	200	124	61.76	41-145
24 2,2-Dichloropropan	50.0	37.5	74.96	52-144
25 1,2-Dichloroethene	50.0	51.9	103.89	74-128
26 2-Butanone	250	206	82.22	47-189
28 1,2-dichlorotriflu	50.0	55.6	111.12	54-162
29 Bromochloromethane	50.0	52.7	105.40	54-162
31 Chloroform	50.0	49.4	98.85	74-131
33 1,1,1-Trichloroeth	50.0	48.8	97.54	69-136
35 Carbon Tetrachlori	50.0	50.9	101.88	62-143
36 1,1-Dichloropropen	50.0	47.4	94.72	75-134
37 Isobutyl alcohol	50.0	0.000	*	50-150
38 Benzene	50.0	45.2	90.32	78-127
39 1,2-Dichloroethane	50.0	47.9	95.87	69-139
41 Trichloroethene	50.0	47.7	95.37	74-130
42 1,2-Dichloropropan	50.0	47.1	94.16	76-129
43 Dibromomethane	50.0	45.2	90.39	73-133
44 Methyl methacrylat	50.0	39.0	77.97	70-130
45 Bromodichlorometha	50.0	44.7	89.39	69-133
47 cis-1,3-Dichloropr	50.0	45.0	90.09	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	226	90.57	61-135
50 Toluene	50.0	48.9	97.78	75-129
51 trans-1,3-Dichloro	50.0	42.3	84.68	54-123
52 Ethyl Methacrylate	50.0	42.6	85.14	59-138
53 1,1,2-Trichloroeth	50.0	46.3	92.65	77-132
54 Tetrachloroethene	50.0	42.8	85.67	60-119
55 1,3-Dichloropropan	50.0	46.7	93.49	74-126
56 2-Hexanone	250	238	95.26	57-167
57 Dibromochlorometha	50.0	45.7	91.38	66-131
58 1,2-Dibromoethane	50.0	45.8	91.55	75-126
60 Chlorobenzene	50.0	46.8	93.62	75-123
61 1,1,1,2-Tetrachlor	50.0	48.2	96.48	69-130
62 Ethylbenzene	50.0	51.2	102.43	81-126
63 m&p-Xylene	100	95.7	95.71	71-131
65 o-Xylene	50.0	49.8	99.52	72-127
66 Styrene	50.0	45.5	90.98	74-128
67 Bromoform	50.0	39.4	78.88	60-127
68 Isopropylbenzene	50.0	49.9	99.89	80-130
69 trans-1,4-Dichloro	50.0	37.4	74.71	50-150
71 Bromobenzene	50.0	55.2	110.46	62-139
72 1,1,2,2-Tetrachlor	50.0	48.6	97.16	69-130
73 1,2,3-Trichloropro	50.0	42.8	85.55	60-131
74 n-Propylbenzene	50.0	53.0	105.92	71-132
75 2-Chlorotoluene	50.0	51.9	103.75	72-128
76 4-Chlorotoluene	50.0	52.2	104.50	73-124
77 1,3,5-Trimethylben	50.0	53.7	107.49	74-130
78 tert-Butylbenzene	50.0	48.2	96.51	63-117
79 1,2,4-Trimethylben	50.0	53.1	106.22	73-130
80 sec-Butylbenzene	50.0	52.8	105.60	73-130
81 1,3-Dichlorobenzen	50.0	47.9	95.86	76-125
83 p-Isopropyltoluene	50.0	50.9	101.89	66-131
84 1,4-Dichlorobenzen	50.0	46.9	93.89	75-122
85 1,2-Dichlorobenzen	50.0	48.7	97.47	76-124
86 n-Butylbenzene	50.0	50.3	100.57	68-135
87 1,2-Dibromo-3-chlo	50.0	38.0	76.03	61-125
88 1,2,4-Trichloroben	50.0	36.8	73.66	60-130
89 Hexachlorobutadien	50.0	38.4	76.89	70-130
90 Naphthalene	50.0	40.6	81.26	61-135
91 1,2,3-Trichloroben	50.0	36.8	73.66	58-131
138 Methyl Acetate	50.0	48.5	97.05	30-170
34 cyclohexane	50.0	46.1	92.20	63-134
139 Methylcyclohexane	50.0	45.0	89.96	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.3	106.54	82-122
$ 49 Toluene-d8	50.0	52.5	105.08	80-120
$ 70 4-Bromofluorobenze	50.0	49.9	99.75	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285658
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: msd55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	45.8	
74-87-3	Chloromethane	49.0	
75-01-4	Vinyl Chloride	50.7	
74-83-9	Bromomethane	43.5	
75-00-3	Chloroethane	55.5	
75-69-4	Trichlorofluoromethane	54.7	
354-23-4	1,2-dichlorotrifluoroethane	55.6	
60-29-7	Diethyl ether	46.4	
75-65-0	tert-Butyl Alcohol	107	
107-02-8	Acrolein	946	
76-13-1	1,1,2trichlorotrifluoroethan	61.2	
75-35-4	1,1-Dichloroethene	53.8	
67-64-1	Acetone	198	
	Iodomethane	137	
75-15-0	Carbon Disulfide	111	
75-05-8	Acetonitrile	2100	
79-20-9	Methyl Acetate	48.5	
75-09-2	Methylene Chloride	47.1	
107-13-1	Acrylonitrile	927	
1634-04-4	Methyl-tert-butyl ether	88.5	
156-60-5	1,2-Dichloroethene (trans)	53.5	
	n-Hexane	51.3	
75-34-3	1,1-Dichloroethane	45.6	
108-05-4	Vinyl Acetate	124	
141-78-6	Ethyl acetate	458	
126-99-8	Chloroprene	46.5	
594-20-7	2,2-Dichloropropane	37.5	
156-59-2	1,2-Dichloroethene (cis)	51.9	
78-93-3	2-Butanone	206	
107-12-0	Propionitrile	39.8	
74-97-5	Bromochloromethane	52.7	
126-98-7	Methacrylonitrile	154	
67-66-3	Chloroform	49.4	
71-55-6	1,1,1-Trichloroethane	48.8	
110-82-7	cyclohexane	46.1	
56-23-5	Carbon Tetrachloride	50.9	
563-58-6	1,1-Dichloropropene	47.4	
71-43-2	Benzene	45.2	
108-21-4	isopropyl acetate	254	
107-06-2	1,2-Dichloroethane	47.9	
79-01-6	Trichloroethene	47.7	
108-87-2	Methylcyclohexane	45.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 285658
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: msd55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	47.1	
74-95-3	Dibromomethane	45.2	
80-62-6	Methyl methacrylate	39.0	
540-84-1	2,2,4-Trimethylpentane	40.7	
----------	1,4-Dioxane	16200	
75-27-4	Bromodichloromethane	44.7	
10061-01-5	cis-1,3-Dichloropropene	45.0	
108-10-1	4-Methyl-2-Pentanone	226	
108-88-3	Toluene	48.9	
10061-02-6	trans-1,3-Dichloropropene	42.3	
----------	Ethyl Methacrylate	42.6	
79-00-5	1,1,2-Trichloroethane	46.3	
127-18-4	Tetrachloroethene	42.8	
142-28-9	1,3-Dichloropropane	46.7	
591-78-6	2-Hexanone	238	
124-48-1	Dibromochloromethane	45.7	
106-93-4	1,2-Dibromoethane	45.8	
108-90-7	Chlorobenzene	46.8	
630-20-6	1,1,1,2-Tetrachloroethane	48.2	
100-41-4	Ethylbenzene	51.2	
7816-60-0	m&p-Xylene	95.7	
95-47-6	o-Xylene	49.8	
100-42-5	Styrene	45.5	
75-25-2	Bromoform	39.4	
98-82-8	Isopropylbenzene	49.9	
----------	trans-1,4-Dichloro-2-butene	37.4	
628-63-7	n-amyl acetate	188000	
108-86-1	Bromobenzene	55.2	
79-34-5	1,1,2,2-Tetrachloroethane	48.6	
96-18-4	1,2,3-Trichloropropane	42.8	
103-65-1	n-Propylbenzene	53.0	
95-49-8	2-Chlorotoluene	51.9	
108-67-8	1,3,5-Trimethylbenzene	53.7	
106-43-4	4-Chlorotoluene	52.2	
98-06-6	tert-Butylbenzene	48.2	
95-63-6	1,2,4-Trimethylbenzene	53.1	
135-98-8	sec-Butylbenzene	52.8	
541-73-1	1,3-Dichlorobenzene	47.9	
99-87-6	p-Isopropyltoluene	50.9	
106-46-7	1,4-Dichlorobenzene	46.9	
104-51-8	n-Butylbenzene	50.3	
95-50-1	1,2-Dichlorobenzene	48.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

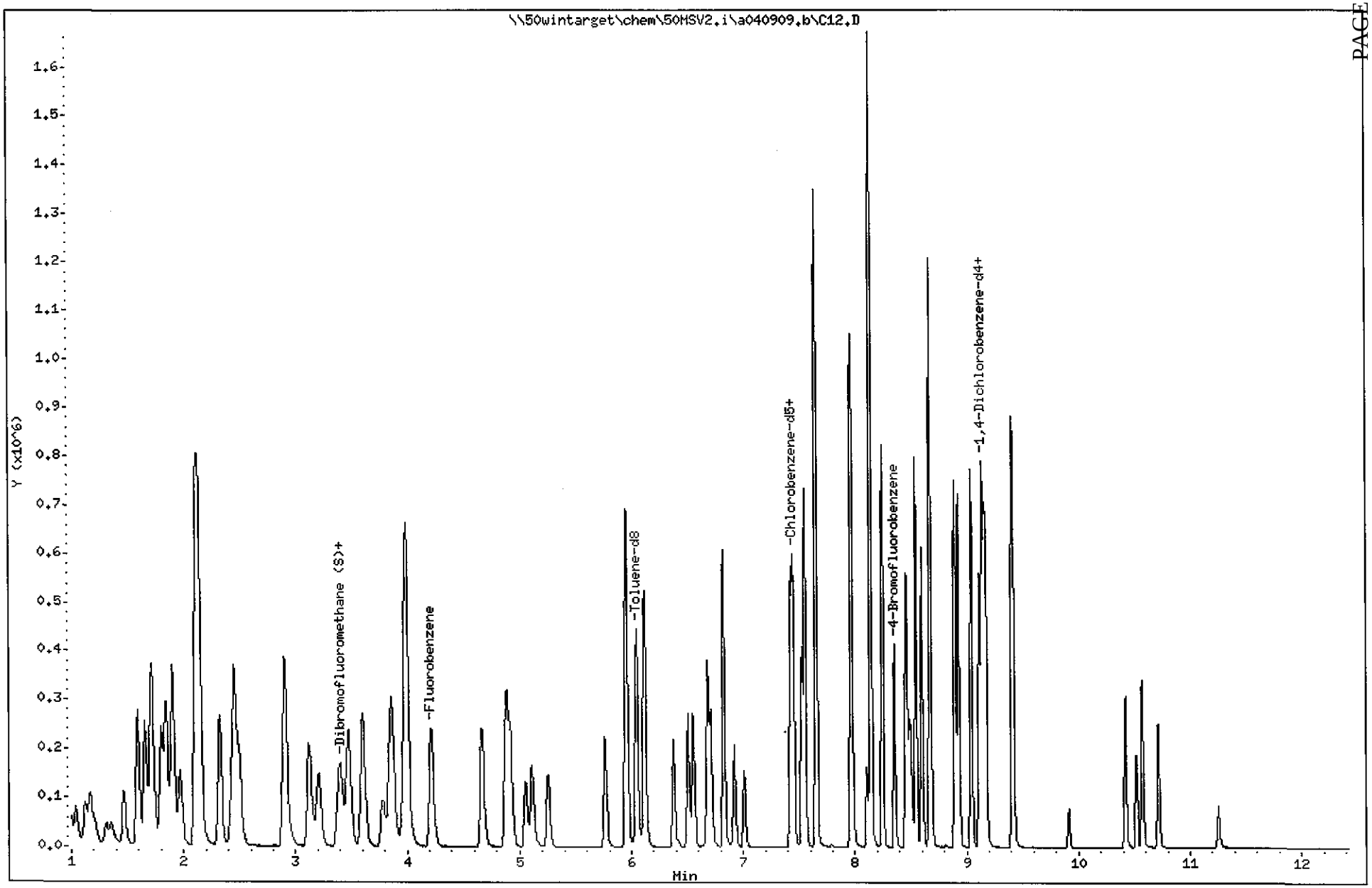
Client Name:
Lab Smp Id: 285658
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: msd55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	38.0	
120-82-1	1,2,4-Trichlorobenzene	36.8	
87-68-3	Hexachlorobutadiene	38.4	
91-20-3	Naphthalene	40.6	
87-61-6	1,2,3-Trichlorobenzene	36.8	
	2,methyl-naphthalene	32.6	
1868-53-7	Dibromofluoromethane (S)	53.3	
2037-26-5	Toluene-d8	52.5	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C12.D
Date : 10-APR-2009 06:07
Client ID: msd55010
Sample Info: msd5025055010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A02LCS.D
Lab Smp Id: 286316 Client Smp ID: lcs
Inj Date : 10-APR-2009 13:17
Operator : amv Inst ID: 50MSV2.i
Smp Info : lcs
Misc Info : 15588
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 5 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	1.031	1.033	(0.245)	82957	34.0669	34.1
2 Chloromethane	50	1.119	1.121	(0.266)	169814	46.1302	46.1
3 Vinyl Chloride	62	1.160	1.162	(0.276)	135348	50.1773	50.2
4 Bromomethane	94	1.300	1.291	(0.309)	47590	46.9207	46.9
5 Chloroethane	64	1.346	1.348	(0.320)	73009	64.6637	64.7
6 Trichlorofluoromethane	101	1.460	1.457	(0.347)	112173	59.2172	59.2
28 1,2-dichlorotrifluoroethane	67	1.579	1.575	(0.375)	123382	61.7657	61.8
7 Diethyl ether	74	1.584	1.586	(0.376)	50011	53.9690	54.0
17 tert-Butyl Alcohol	59	1.584	1.586	(0.376)	81093	122.196	122
8 Acrolein	56	1.651	1.648	(0.392)	36170	133.446	133(R)
10 1,1,2trichlorotrifluoroethane	101	1.703	1.694	(0.405)	100184	69.1081	69.1
9 1,1-Dichloroethene	96	1.708	1.705	(0.406)	83008	58.2661	58.3
11 Acetone	43	1.729	1.725	(0.411)	200125	355.332	355
12 Iodomethane	142	1.796	1.793	(0.427)	441292	160.298	160
13 Carbon Disulfide	76	1.837	1.834	(0.437)	587452	115.290	115
14 allyl chloride	41	1.894	1.891	(0.450)	342941	109.971	110(QM)
145 Acetonitrile	41	1.021	1.203	(0.243)	419	1425.67	1420(Q)
138 Methyl Acetate	43	1.899	1.896	(0.451)	125507	68.7871	68.8
15 Methylene Chloride	84	1.961	1.958	(0.466)	86879	51.4331	51.4
16 Acrylonitrile	53	2.101	2.097	(0.499)	858072	1066.58	1070
19 Methyl-tert-butyl ether	73	2.132	2.128	(0.507)	431845	100.462	100
18 1,2-Dichloroethene (trans)	96	2.137	2.128	(0.508)	101389	58.6813	58.7
20 n-Hexane	57	2.313	2.304	(0.549)	172465	57.5787	57.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	21 1,1-Dichloroethane	63	2.416	2.408	(0.574)	180130	50.9582	51.0
	23 Vinyl Acetate	43	2.447	2.439	(0.581)	929773	176.964	177
	140 Ethyl acetate	88	2.489	2.480	(0.591)	90145	495.463	495(Q)
	147 Chloroprene	53	2.489	2.480	(0.591)	152051	50.2393	50.2
	24 2,2-Dichloropropane	77	2.892	2.883	(0.687)	113319	53.8928	53.9
	25 1,2-Dichloroethene (cis)	96	2.892	2.878	(0.687)	127031	56.7843	56.8
	26 2-Butanone	43	2.902	2.893	(0.689)	328550	278.045	278
	27 Propionitrile	54	2.959	2.950	(0.703)	17495	45.3172	45.3(Q)
	29 Bromochloromethane	49	3.119	3.100	(0.741)	126040	59.9344	59.9
	146 Methacrylonitrile	41	3.104	3.090	(0.737)	111919	211.543	212
	31 Chloroform	83	3.202	3.188	(0.761)	157855	56.0660	56.1
$	32 Dibromofluoromethane (S)	113	3.372	3.359	(0.801)	96342	54.6712	54.7
	33 1,1,1-Trichloroethane	97	3.403	3.384	(0.808)	123555	52.7848	52.8
	30 Tetrahydrofuran	42	3.181	3.167	(0.756)	63711	21.5527	21.6
	34 cyclohexane	56	3.466	3.446	(0.823)	194395	49.6068	49.6
	37 Isobutyl alcohol	43	3.176	3.167	(0.754)	14558	27.8532	27.8
	35 Carbon Tetrachloride	117	3.590	3.576	(0.853)	112835	55.1238	55.1
	36 1,1-Dichloropropene	75	3.595	3.576	(0.854)	123239	51.7192	51.7
	38 Benzene	78	3.848	3.829	(0.914)	387491	49.9195	49.9
	141 isopropyl acetate	61	3.869	3.873	(0.919)	15774	278.536	278(Q)
	39 1,2-Dichloroethane	62	3.863	3.850	(0.918)	102904	52.1671	52.2
*	40 Fluorobenzene	96	4.210	4.191	(1.000)	340354	50.0000	
	41 Trichloroethene	95	4.659	4.640	(1.107)	108415	53.3658	53.4
	139 Methylcyclohexane	55	4.877	4.857	(1.158)	147628	49.1576	49.2
	42 1,2-Dichloropropane	63	4.913	4.899	(1.167)	111690	52.6198	52.6
	43 Dibromomethane	93	5.052	5.028	(1.200)	65530	50.5562	50.6
	44 Methyl methacrylate	69	5.104	5.085	(1.212)	73010	43.9913	44.0
	143 2,2,4-Trimethylpentane	57	3.972	3.948	(0.944)	306335	46.5978	46.6
	144 1,4-Dioxane	88	5.099	5.095	(1.211)	22437	18462.5	18500(Q)
	45 Bromodichloromethane	83	5.249	5.230	(1.247)	122328	50.1900	50.2
	46 2-Chloroethyl vinyl ether	63	5.626	5.607	(0.758)	72595	22.1174	22.1
	47 cis-1,3-Dichloropropene	75	5.760	5.741	(0.776)	156649	51.5227	51.5
	48 4-Methyl-2-Pentanone	43	5.952	5.932	(0.802)	594173	243.004	243
$	49 Toluene-d8	98	6.039	6.026	(0.813)	310430	52.2931	52.3
	50 Toluene	91	6.112	6.098	(0.823)	429241	52.5174	52.5
	51 trans-1,3-Dichloropropene	75	6.370	6.356	(0.858)	125986	49.1710	49.2
	52 Ethyl Methacrylate	69	6.505	6.491	(0.876)	140531	45.8610	45.9
	53 1,1,2-Trichloroethane	83	6.551	6.537	(0.882)	79644	52.4663	52.5
	54 Tetrachloroethene	166	6.680	6.666	(0.900)	137208	46.9118	46.9
	55 1,3-Dichloropropane	76	6.711	6.692	(0.904)	159766	51.6198	51.6
	56 2-Hexanone	43	6.820	6.806	(0.919)	456815	284.248	284
	57 Dibromochloromethane	129	6.918	6.904	(0.932)	121857	50.9299	50.9
	58 1,2-Dibromoethane	107	7.006	6.992	(0.944)	115483	52.3999	52.4
*	59 Chlorobenzene-d5	117	7.425	7.411	(1.000)	301061	50.0000	
	60 Chlorobenzene	112	7.450	7.437	(1.003)	329194	51.3620	51.4
	61 1,1,1,2-Tetrachloroethane	131	7.528	7.514	(1.014)	118385	51.8426	51.8
	62 Ethylbenzene	106	7.554	7.540	(1.017)	168550	55.9148	55.9
	63 m&p-Xylene	106	7.652	7.638	(1.031)	422208	105.192	105
	65 o-Xylene	106	7.962	7.948	(1.072)	215945	54.0580	54.0
	66 Styrene	104	7.972	7.964	(1.074)	337703	50.2817	50.3
	67 Bromoform	173	8.107	8.093	(0.885)	72900	44.6582	44.6
	68 Isopropylbenzene	105	8.246	8.232	(1.111)	500605	53.9071	53.9
	69 trans-1,4-Dichloro-2-butene	53	8.505	8.496	(1.145)	31412	44.7805	44.8
	142 n-amyl acetate	70	8.143	8.129	(1.097)	364600	235972	236000(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
$ 70 4-Bromofluorobenzene	95	8.355	8.341	(1.125)	116087	49.7526	49.8
71 Bromobenzene	77	8.458	8.444	(1.139)	199899	61.1791	61.2
72 1,1,2,2-Tetrachloroethane	83	8.469	8.455	(0.924)	124840	54.6077	54.6
73 1,2,3-Trichloropropane	75	8.494	8.481	(0.927)	120005	51.2057	51.2
74 n-Propylbenzene	91	8.546	8.532	(0.933)	534343	59.8645	59.9
75 2-Chlorotoluene	91	8.598	8.589	(0.939)	311574	58.4143	58.4
77 1,3,5-Trimethylbenzene	105	8.670	8.656	(0.946)	359780	60.1871	60.2
76 4-Chlorotoluene	126	8.598	8.589	(0.939)	131499	58.1961	58.2
78 tert-Butylbenzene	119	8.892	8.884	(0.971)	407610	53.5709	53.6
79 1,2,4-Trimethylbenzene	105	8.929	8.915	(0.975)	359573	60.5494	60.5
80 sec-Butylbenzene	105	9.042	9.028	(0.987)	501492	59.0881	59.1
81 1,3-Dichlorobenzene	146	9.115	9.101	(0.995)	244845	55.2688	55.3
83 p-Isopropyltoluene	119	9.141	9.127	(0.998)	402517	57.0197	57.0
* 82 1,4-Dichlorobenzene-d4	152	9.161	9.147	(1.000)	129786	50.0000	
84 1,4-Dichlorobenzene	146	9.177	9.163	(1.002)	241371	53.9272	53.9
86 n-Butylbenzene	91	9.404	9.395	(1.027)	303703	57.7334	57.7
85 1,2-Dichlorobenzene	146	9.420	9.406	(1.028)	225371	54.9869	55.0
87 1,2-Dibromo-3-chloropropane	155	9.911	9.897	(1.082)	20785	42.2994	42.3
88 1,2,4-Trichlorobenzene	180	10.422	10.408	(1.138)	110693	43.8172	43.8
89 Hexachlorobutadiene	225	10.520	10.507	(1.148)	40190	45.0580	45.0
90 Naphthalene	128	10.572	10.558	(1.154)	303405	45.5958	45.6
91 1,2,3-Trichlorobenzene	180	10.422	10.408	(1.138)	110693	43.8134	43.8
92 2,methyl-naphthalene	142	11.254	11.241	(1.228)	54285	34.1384	34.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A02LCS.D
Lab Smp Id: 286316
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15588

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	340354	9.25
59 Chlorobenzene-d5	282684	141342	565368	301061	6.50
82 1,4-Dichlorobenze	140868	70434	281736	129786	-7.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.46
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.19
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 286316
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15588

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: lcs
Operator: amv
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	34.1	68.13	30-170
2 Chloromethane	50.0	46.1	92.26	35-147
3 Vinyl Chloride	50.0	50.2	100.35	55-141
4 Bromomethane	50.0	46.9	93.84	30-170
5 Chloroethane	50.0	64.7	129.33	56-153
6 Trichlorofluoromet	50.0	59.2	118.43	62-150
7 Diethyl ether	50.0	54.0	107.94	70-130
8 Acrolein	1000	133	13.34*	30-170
9 1,1-Dichloroethene	50.0	58.3	116.53	63-128
10 1,1,2trichlorotrif	50.0	69.1	138.22	74-153
11 Acetone	250	355	142.13	30-170
12 Iodomethane	100	160	160.30	41-170
13 Carbon Disulfide	100	115	115.29	58-152
14 allyl chloride	100	110	109.97	70-130
15 Methylene Chloride	50.0	51.4	102.87	32-164
16 Acrylonitrile	1000	1070	106.66	67-136
17 tert-Butyl Alcohol	100	122	122.20	50-150
18 1,2-Dichloroethene	50.0	58.7	117.36	71-126
19 Methyl-tert-butyl	100	100	100.46	66-147
20 n-Hexane	50.0	57.6	115.16	69-157
21 1,1-Dichloroethane	50.0	51.0	101.92	67-133
23 Vinyl Acetate	200	177	88.48	41-145
24 2,2-Dichloropropan	50.0	53.9	107.79	52-144
25 1,2-Dichloroethene	50.0	56.8	113.57	74-128
26 2-Butanone	250	278	111.22	47-189
28 1,2-dichlorotriflu	50.0	61.8	123.53	54-162
29 Bromochloromethane	50.0	59.9	119.87	54-162
31 Chloroform	50.0	56.1	112.13	74-131
33 1,1,1-Trichloroeth	50.0	52.8	105.57	69-136
35 Carbon Tetrachlori	50.0	55.1	110.25	62-143
36 1,1-Dichloropropen	50.0	51.7	103.44	75-134
37 Isobutyl alcohol	50.0	27.8	55.71	50-150
38 Benzene	50.0	49.9	99.84	78-127
39 1,2-Dichloroethane	50.0	52.2	104.33	69-139
41 Trichloroethene	50.0	53.4	106.73	74-130
42 1,2-Dichloropropan	50.0	52.6	105.24	76-129
43 Dibromomethane	50.0	50.6	101.11	73-133
44 Methyl methacrylat	50.0	44.0	87.98	70-130
45 Bromodichlorometha	50.0	50.2	100.38	69-133
47 cis-1,3-Dichloropr	50.0	51.5	103.05	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	243	97.20	61-135
50 Toluene	50.0	52.5	105.03	75-129
51 trans-1,3-Dichloro	50.0	49.2	98.34	54-123
52 Ethyl Methacrylate	50.0	45.9	91.72	59-138
53 1,1,2-Trichloroeth	50.0	52.5	104.93	77-132
54 Tetrachloroethene	50.0	46.9	93.82	60-119
55 1,3-Dichloropropan	50.0	51.6	103.24	74-126
56 2-Hexanone	250	284	113.70	57-167
57 Dibromochlorometha	50.0	50.9	101.86	66-131
58 1,2-Dibromoethane	50.0	52.4	104.80	75-126
60 Chlorobenzene	50.0	51.4	102.72	75-123
61 1,1,1,2-Tetrachlor	50.0	51.8	103.69	69-130
62 Ethylbenzene	50.0	55.9	111.83	81-126
63 m&p-Xylene	100	105	105.19	71-131
65 o-Xylene	50.0	54.0	108.12	72-127
66 Styrene	50.0	50.3	100.56	74-128
67 Bromoform	50.0	44.6	89.32	60-127
68 Isopropylbenzene	50.0	53.9	107.81	80-130
69 trans-1,4-Dichloro	50.0	44.8	89.56	50-150
71 Bromobenzene	50.0	61.2	122.36	62-139
72 1,1,2,2-Tetrachlor	50.0	54.6	109.22	69-130
73 1,2,3-Trichloropro	50.0	51.2	102.41	60-131
74 n-Propylbenzene	50.0	59.9	119.73	71-132
75 2-Chlorotoluene	50.0	58.4	116.83	72-128
76 4-Chlorotoluene	50.0	58.2	116.39	73-124
77 1,3,5-Trimethylben	50.0	60.2	120.37	74-130
78 tert-Butylbenzene	50.0	53.6	107.14	63-117
79 1,2,4-Trimethylben	50.0	60.5	121.10	73-130
80 sec-Butylbenzene	50.0	59.1	118.18	73-130
81 1,3-Dichlorobenzen	50.0	55.3	110.54	76-125
83 p-Isopropyltoluene	50.0	57.0	114.04	66-131
84 1,4-Dichlorobenzen	50.0	53.9	107.85	75-122
85 1,2-Dichlorobenzen	50.0	55.0	109.97	76-124
86 n-Butylbenzene	50.0	57.7	115.47	68-135
87 1,2-Dibromo-3-chlo	50.0	42.3	84.60	61-125
88 1,2,4-Trichloroben	50.0	43.8	87.63	60-130
89 Hexachlorobutadien	50.0	45.0	90.12	70-130
90 Naphthalene	50.0	45.6	91.19	61-135
91 1,2,3-Trichloroben	50.0	43.8	87.63	58-131
138 Methyl Acetate	50.0	68.8	137.57	30-170
34 cyclohexane	50.0	49.6	99.21	63-134
139 Methylcyclohexane	50.0	49.2	98.32	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.7	109.34	82-122
$ 49 Toluene-d8	50.0	52.3	104.59	80-120
$ 70 4-Bromofluorobenze	50.0	49.8	99.51	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286316
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15588

Client SDG: a041009.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	34.1	
74-87-3	Chloromethane	46.1	
75-01-4	Vinyl Chloride	50.2	
74-83-9	Bromomethane	46.9	
75-00-3	Chloroethane	64.7	
75-69-4	Trichlorofluoromethane	59.2	
354-23-4	1,2-dichlorotrifluoroethane	61.8	
60-29-7	Diethyl ether	54.0	
75-65-0	tert-Butyl Alcohol	122	
107-02-8	Acrolein	133	
76-13-1	1,1,2trichlorotrifluoroethan	69.1	
75-35-4	1,1-Dichloroethene	58.3	
67-64-1	Acetone	355	
	Iodomethane	160	
75-15-0	Carbon Disulfide	115	
107-05-1	allyl chloride	110	
75-05-8	Acetonitrile	1420	
79-20-9	Methyl Acetate	68.8	
75-09-2	Methylene Chloride	51.4	
107-13-1	Acrylonitrile	1070	
1634-04-4	Methyl-tert-butyl ether	100	
156-60-5	1,2-Dichloroethene (trans)	58.7	
	n-Hexane	57.6	
75-34-3	1,1-Dichloroethane	51.0	
108-05-4	Vinyl Acetate	177	
141-78-6	Ethyl acetate	495	
126-99-8	Chloroprene	50.2	
594-20-7	2,2-Dichloropropane	53.9	
156-59-2	1,2-Dichloroethene (cis)	56.8	
78-93-3	2-Butanone	278	
107-12-0	Propionitrile	45.3	
74-97-5	Bromochloromethane	59.9	
126-98-7	Methacrylonitrile	212	
67-66-3	Chloroform	56.1	
71-55-6	1,1,1-Trichloroethane	52.8	
	Tetrahydrofuran	21.6	
110-82-7	cyclohexane	49.6	
78-83-1	Isobutyl alcohol	27.8	
56-23-5	Carbon Tetrachloride	55.1	
563-58-6	1,1-Dichloropropene	51.7	
71-43-2	Benzene	49.9	
108-21-4	isopropyl acetate	278	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286316
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15588

Client SDG: a041009.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-06-2	1,2-Dichloroethane	52.2	
79-01-6	Trichloroethene	53.4	
108-87-2	Methylcyclohexane	49.2	
78-87-5	1,2-Dichloropropane	52.6	
74-95-3	Dibromomethane	50.6	
80-62-6	Methyl methacrylate	44.0	
540-84-1	2,2,4-Trimethylpentane	46.6	
	1,4-Dioxane	18500	
75-27-4	Bromodichloromethane	50.2	
110-75-8	2-Chloroethyl vinyl ether	22.1	
10061-01-5	cis-1,3-Dichloropropene	51.5	
108-10-1	4-Methyl-2-Pentanone	243	
108-88-3	Toluene	52.5	
10061-02-6	trans-1,3-Dichloropropene	49.2	
	Ethyl Methacrylate	45.9	
79-00-5	1,1,2-Trichloroethane	52.5	
127-18-4	Tetrachloroethene	46.9	
142-28-9	1,3-Dichloropropane	51.6	
591-78-6	2-Hexanone	284	
124-48-1	Dibromochloromethane	50.9	
106-93-4	1,2-Dibromoethane	52.4	
108-90-7	Chlorobenzene	51.4	
630-20-6	1,1,1,2-Tetrachloroethane	51.8	
100-41-4	Ethylbenzene	55.9	
7816-60-0	m&p-Xylene	105	
95-47-6	o-Xylene	54.0	
100-42-5	Styrene	50.3	
75-25-2	Bromoform	44.6	
98-82-8	Isopropylbenzene	53.9	
	trans-1,4-Dichloro-2-butene	44.8	
628-63-7	n-amyl acetate	236000	
108-86-1	Bromobenzene	61.2	
79-34-5	1,1,2,2-Tetrachloroethane	54.6	
96-18-4	1,2,3-Trichloropropane	51.2	
103-65-1	n-Propylbenzene	59.9	
95-49-8	2-Chlorotoluene	58.4	
108-67-8	1,3,5-Trimethylbenzene	60.2	
106-43-4	4-Chlorotoluene	58.2	
98-06-6	tert-Butylbenzene	53.6	
95-63-6	1,2,4-Trimethylbenzene	60.5	
135-98-8	sec-Butylbenzene	59.1	
541-73-1	1,3-Dichlorobenzene	55.3	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

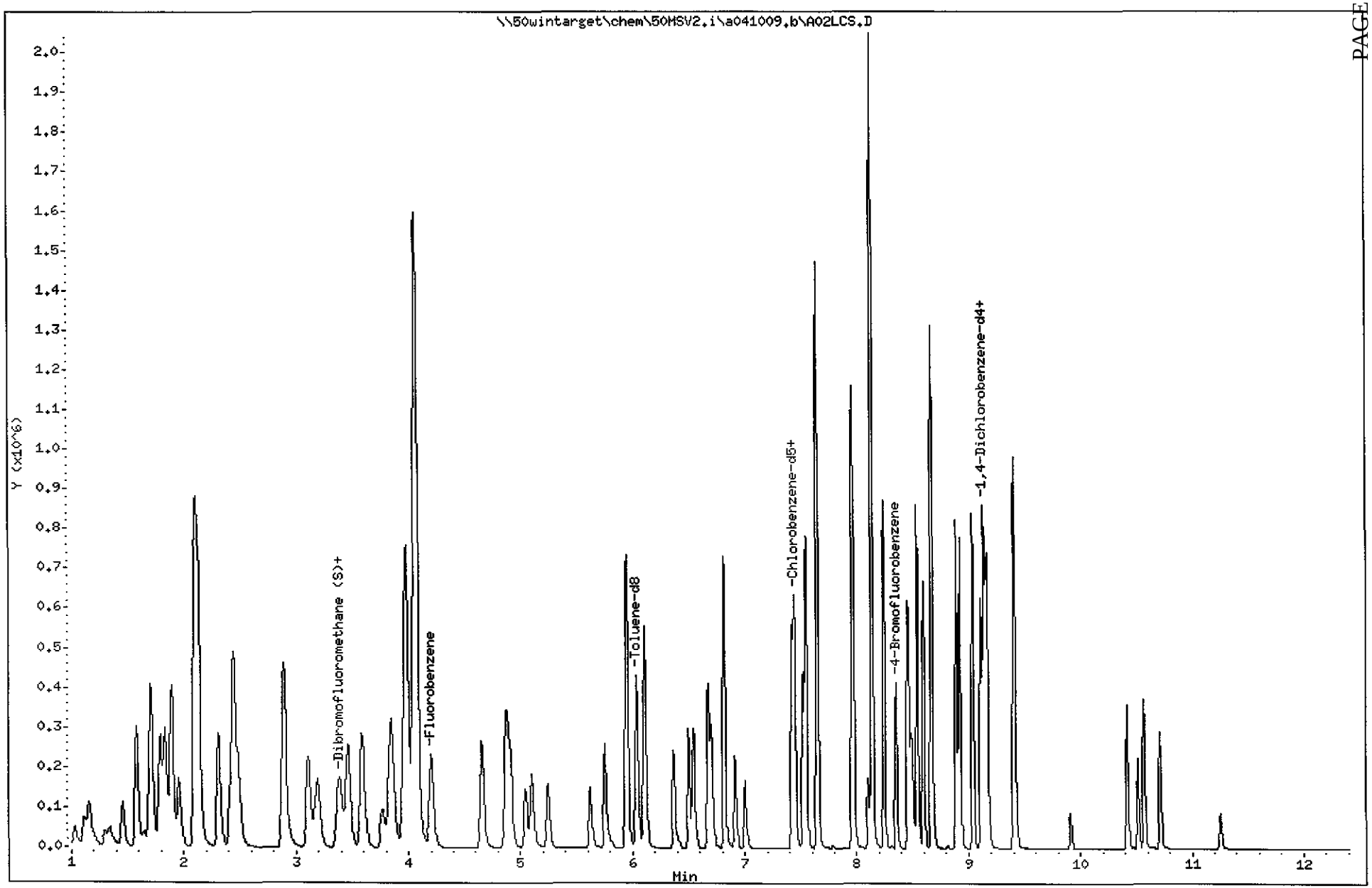
Client Name:
Lab Smp Id: 286316
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15588

Client SDG: a041009.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
99-87-6	p-Isopropyltoluene	57.0	
106-46-7	1,4-Dichlorobenzene	53.9	
104-51-8	n-Butylbenzene	57.7	
95-50-1	1,2-Dichlorobenzene	55.0	
96-12-8	1,2-Dibromo-3-chloropropane	42.3	
120-82-1	1,2,4-Trichlorobenzene	43.8	
87-68-3	Hexachlorobutadiene	45.0	
91-20-3	Naphthalene	45.6	
87-61-6	1,2,3-Trichlorobenzene	43.8	
	2,methyl-naphthalene	34.1	
1868-53-7	Dibromofluoromethane (S)	54.7	
2037-26-5	Toluene-d8	52.3	
460-00-4	4-Bromofluorobenzene	49.8	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A02LCS.D
Date : 10-APR-2009 13:17
Client ID: los
Sample Info: los
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A05.D
Lab Smp Id: 286314 Client Smp ID: ms50003
Inj Date : 10-APR-2009 14:58
Operator : amv Inst ID: 50MSV2.i
Smp Info : ms5025055003
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 11 QC Sample: MS
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	1.036	1.033	(0.246)	85836	33.6829	33.7
2 Chloromethane	50	1.119	1.121	(0.266)	162076	41.9892	42.0
3 Vinyl Chloride	62	1.165	1.162	(0.277)	136838	48.3804	48.4
4 Bromomethane	94	1.305	1.291	(0.310)	49052	45.6367	45.6
5 Chloroethane	64	1.346	1.348	(0.320)	69452	58.5361	58.5
6 Trichlorofluoromethane	101	1.460	1.457	(0.347)	115632	58.1915	58.2
28 1,2-dichlorotrifluoroethane	67	1.579	1.575	(0.375)	128284	61.2199	61.2
7 Diethyl ether	74	1.589	1.586	(0.378)	48799	50.0260	50.0
17 tert-Butyl Alcohol	59	1.589	1.586	(0.378)	81618	116.879	117
8 Acrolein	56	1.651	1.648	(0.392)	367568	1129.56	1130
10 1,1,2trichlorotrifluoroethane	101	1.703	1.694	(0.405)	100231	65.8942	65.9
9 1,1-Dichloroethene	96	1.708	1.705	(0.406)	87300	58.4443	58.4
11 Acetone	43	1.729	1.725	(0.411)	129184	211.857	212
12 Iodomethane	142	1.796	1.793	(0.427)	442199	152.764	153
13 Carbon Disulfide	76	1.843	1.834	(0.438)	614246	114.972	115
145 Acetonitrile	41	1.196	1.203	(0.284)	1480	2068.80	2070(Q)
138 Methyl Acetate	43	1.899	1.896	(0.451)	113828	59.6732	59.7
15 Methylene Chloride	84	1.961	1.958	(0.466)	89800	50.7142	50.7
16 Acrylonitrile	53	2.106	2.097	(0.500)	839151	989.445	989
19 Methyl-tert-butyl ether	73	2.137	2.128	(0.508)	431527	95.7395	95.7
18 1,2-Dichloroethene (trans)	96	2.132	2.128	(0.507)	105929	58.4732	58.5
20 n-Hexane	57	2.318	2.304	(0.551)	174871	55.7379	55.7
21 1,1-Dichloroethane	63	2.421	2.408	(0.575)	184802	49.8589	49.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.447	2.439	(0.581)	914659	166.026	166
	140 Ethyl acetate	88	2.494	2.480	(0.592)	94498	495.346	495(Q)
	147 Chloroprene	53	2.489	2.480	(0.591)	159943	50.3916	50.4
	24 2,2-Dichloropropane	77	2.892	2.883	(0.687)	118730	53.8495	53.8
	25 1,2-Dichloroethene (cis)	96	2.892	2.878	(0.687)	130770	55.7486	55.7
	26 2-Butanone	43	2.902	2.893	(0.689)	277149	223.684	224
	27 Propionitrile	54	2.959	2.950	(0.703)	16236	40.1084	40.1(Q)
	29 Bromochloromethane	49	3.119	3.100	(0.741)	124997	56.6859	56.7
	146 Methacrylonitrile	41	3.109	3.090	(0.739)	96489	164.168	164
	31 Chloroform	83	3.207	3.188	(0.762)	160178	54.2565	54.2
$	32 Dibromofluoromethane (S)	113	3.372	3.359	(0.801)	97074	52.5355	52.5
	33 1,1,1-Trichloroethane	97	3.398	3.384	(0.807)	132117	53.7493	53.7
	34 cyclohexane	56	3.471	3.446	(0.824)	203652	49.5655	49.6
	35 Carbon Tetrachloride	117	3.595	3.576	(0.854)	119663	55.7083	55.7
	36 1,1-Dichloropropene	75	3.595	3.576	(0.854)	130228	52.0997	52.1
	38 Benzene	78	3.848	3.829	(0.914)	402979	49.5106	49.5
	141 isopropyl acetate	61	3.874	3.873	(0.920)	15389	261.629	262(Q)
	39 1,2-Dichloroethane	62	3.874	3.850	(0.920)	107272	51.8711	51.9
*	40 Fluorobenzene	96	4.210	4.191	(1.000)	356881	50.0000	
	41 Trichloroethene	95	4.659	4.640	(1.107)	112163	52.6928	52.7
	139 Methylcyclohexane	55	4.876	4.857	(1.158)	152833	48.5630	48.6
	42 1,2-Dichloropropane	63	4.913	4.899	(1.167)	112402	50.6251	50.6
	43 Dibromomethane	93	5.047	5.028	(1.199)	66547	49.0384	49.0
	44 Methyl methacrylate	69	5.104	5.085	(1.212)	72674	41.8700	41.9
	143 2,2,4-Trimethylpentane	57	3.972	3.948	(0.944)	307121	44.6805	44.7
	144 1,4-Dioxane	88	5.104	5.095	(1.212)	21243	16814.2	16800(Q)
	45 Bromodichloromethane	83	5.249	5.230	(1.247)	125845	49.2971	49.3
	47 cis-1,3-Dichloropropene	75	5.760	5.741	(0.776)	156786	50.9392	50.9
	48 4-Methyl-2-Pentanone	43	5.951	5.932	(0.802)	626632	253.155	253
$	49 Toluene-d8	98	6.045	6.026	(0.814)	317418	52.8185	52.8
	50 Toluene	91	6.112	6.098	(0.823)	445774	53.8754	53.9
	51 trans-1,3-Dichloropropene	75	6.370	6.356	(0.858)	124218	47.8900	47.9
	52 Ethyl Methacrylate	69	6.505	6.491	(0.876)	145100	46.7219	46.7
	53 1,1,2-Trichloroethane	83	6.551	6.537	(0.882)	79571	51.8088	51.8
	54 Tetrachloroethene	166	6.680	6.666	(0.900)	139785	47.2193	47.2
	55 1,3-Dichloropropane	76	6.711	6.692	(0.904)	159813	51.0056	51.0
	56 2-Hexanone	43	6.820	6.806	(0.919)	430054	264.334	264
	57 Dibromochloromethane	129	6.918	6.904	(0.932)	121039	50.0326	50.0
	58 1,2-Dibromoethane	107	7.006	6.992	(0.944)	113352	50.8060	50.8
*	59 Chlorobenzene-d5	117	7.424	7.411	(1.000)	304776	50.0000	
	60 Chlorobenzene	112	7.450	7.437	(1.003)	330320	50.9094	50.9
	61 1,1,1,2-Tetrachloroethane	131	7.528	7.514	(1.014)	120470	52.1000	52.1
	62 Ethylbenzene	106	7.554	7.540	(1.017)	172877	56.6512	56.6
	63 m&p-Xylene	106	7.652	7.638	(1.031)	428534	105.466	105
	65 o-Xylene	106	7.962	7.948	(1.072)	214859	53.1305	53.1
	66 Styrene	104	7.978	7.964	(1.074)	338459	49.7800	49.8
	67 Bromoform	173	8.107	8.093	(0.885)	72856	43.9018	43.9
	68 Isopropylbenzene	105	8.246	8.232	(1.111)	507520	53.9860	54.0
	69 trans-1,4-Dichloro-2-butene	53	8.510	8.496	(1.146)	28961	41.0222	41.0
	142 n-amyl acetate	70	8.138	8.129	(1.096)	381143	243674	244000(Q)
$	70 4-Bromofluorobenzene	95	8.355	8.341	(1.125)	117957	49.9378	49.9
	71 Bromobenzene	77	8.453	8.444	(1.139)	197411	59.7123	59.7
	72 1,1,2,2-Tetrachloroethane	83	8.469	8.455	(0.924)	124655	53.4971	53.5
	73 1,2,3-Trichloropropane	75	8.489	8.481	(0.927)	119243	49.9197	49.9(Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.546	8.532	(0.933)	530754	58.3994	58.4
75 2-Chlorotoluene	91	8.598	8.589	(0.939)	310361	57.1563	57.2
77 1,3,5-Trimethylbenzene	105	8.670	8.656	(0.946)	359818	59.0744	59.1
76 4-Chlorotoluene	126	8.598	8.589	(0.939)	130186	56.5270	56.5
78 tert-Butylbenzene	119	8.892	8.884	(0.971)	409705	52.8465	52.8
79 1,2,4-Trimethylbenzene	105	8.929	8.915	(0.975)	354080	58.5521	58.6
80 sec-Butylbenzene	105	9.042	9.028	(0.987)	502346	58.1058	58.1
81 1,3-Dichlorobenzene	146	9.115	9.101	(0.995)	237730	52.7848	52.8
83 p-Isopropyltoluene	119	9.140	9.127	(0.998)	400694	55.7282	55.7
* 82 1,4-Dichlorobenzene-d4	152	9.161	9.147	(1.000)	132284	50.0000	
84 1,4-Dichlorobenzene	146	9.171	9.163	(1.001)	238290	52.3184	52.3
86 n-Butylbenzene	91	9.404	9.395	(1.027)	300314	56.0559	56.0
85 1,2-Dichlorobenzene	146	9.420	9.406	(1.028)	221762	53.1651	53.2
87 1,2-Dibromo-3-chloropropane	155	9.911	9.897	(1.082)	19901	40.2469	40.2
88 1,2,4-Trichlorobenzene	180	10.422	10.408	(1.138)	103826	40.7429	40.7
89 Hexachlorobutadiene	225	10.520	10.507	(1.148)	40007	44.1267	44.1
90 Naphthalene	128	10.572	10.558	(1.154)	291669	43.2366	43.2
91 1,2,3-Trichlorobenzene	180	10.422	10.408	(1.138)	103826	40.7413	40.7
92 2,methyl-naphthalene	142	11.254	11.241	(1.228)	47217	32.0357	32.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A05.D
Lab Smp Id: 286314
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: ms50003
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	356881	14.55
59 Chlorobenzene-d5	282684	141342	565368	304776	7.82
82 1,4-Dichlorobenze	140868	70434	281736	132284	-6.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.45
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.19
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 286314
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: ms50003
Operator: amv
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	33.7	67.37	30-170
2 Chloromethane	50.0	42.0	83.98	35-147
3 Vinyl Chloride	50.0	48.4	96.76	55-141
4 Bromomethane	50.0	45.6	91.27	30-170
5 Chloroethane	50.0	58.5	117.07	56-153
6 Trichlorofluoromet	50.0	58.2	116.38	62-150
7 Diethyl ether	50.0	50.0	100.05	70-130
8 Acrolein	1000	1130	112.96	30-170
9 1,1-Dichloroethene	50.0	58.4	116.89	63-128
10 1,1,2trichlorotrif	50.0	65.9	131.79	74-153
11 Acetone	250	212	84.74	30-170
12 Iodomethane	100	153	152.76	41-170
13 Carbon Disulfide	100	115	114.97	58-152
14 allyl chloride	100	0.000	*	70-130
15 Methylene Chloride	50.0	50.7	101.43	32-164
16 Acrylonitrile	1000	989	98.94	67-136
17 tert-Butyl Alcohol	100	117	116.88	50-150
18 1,2-Dichloroethene	50.0	58.5	116.95	71-126
19 Methyl-tert-butyl	100	95.7	95.74	66-147
20 n-Hexane	50.0	55.7	111.48	69-157
21 1,1-Dichloroethane	50.0	49.8	99.72	67-133
23 Vinyl Acetate	200	166	83.01	41-145
24 2,2-Dichloropropan	50.0	53.8	107.70	52-144
25 1,2-Dichloroethene	50.0	55.7	111.50	74-128
26 2-Butanone	250	224	89.47	47-189
28 1,2-dichlorotriflu	50.0	61.2	122.44	54-162
29 Bromochloromethane	50.0	56.7	113.37	54-162
31 Chloroform	50.0	54.2	108.51	74-131
33 1,1,1-Trichloroeth	50.0	53.7	107.50	69-136
35 Carbon Tetrachlori	50.0	55.7	111.42	62-143
36 1,1-Dichloropropen	50.0	52.1	104.20	75-134
37 Isobutyl alcohol	50.0	0.000	*	50-150
38 Benzene	50.0	49.5	99.02	78-127
39 1,2-Dichloroethane	50.0	51.9	103.74	69-139
41 Trichloroethene	50.0	52.7	105.39	74-130
42 1,2-Dichloropropan	50.0	50.6	101.25	76-129
43 Dibromomethane	50.0	49.0	98.08	73-133
44 Methyl methacrylat	50.0	41.9	83.74	70-130
45 Bromodichlorometha	50.0	49.3	98.59	69-133
47 cis-1,3-Dichloropr	50.0	50.9	101.88	54-123

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
48 4-Methyl-2-Pentano	250	253	101.26	61-135
50 Toluene	50.0	53.9	107.75	75-129
51 trans-1,3-Dichloro	50.0	47.9	95.78	54-123
52 Ethyl Methacrylate	50.0	46.7	93.44	59-138
53 1,1,2-Trichloroeth	50.0	51.8	103.62	77-132
54 Tetrachloroethene	50.0	47.2	94.44	60-119
55 1,3-Dichloropropan	50.0	51.0	102.01	74-126
56 2-Hexanone	250	264	105.73	57-167
57 Dibromochlorometha	50.0	50.0	100.07	66-131
58 1,2-Dibromoethane	50.0	50.8	101.61	75-126
60 Chlorobenzene	50.0	50.9	101.82	75-123
61 1,1,1,2-Tetrachlor	50.0	52.1	104.20	69-130
62 Ethylbenzene	50.0	56.6	113.30	81-126
63 m&p-Xylene	100	105	105.47	71-131
65 o-Xylene	50.0	53.1	106.26	72-127
66 Styrene	50.0	49.8	99.56	74-128
67 Bromoform	50.0	43.9	87.80	60-127
68 Isopropylbenzene	50.0	54.0	107.97	80-130
69 trans-1,4-Dichloro	50.0	41.0	82.04	50-150
71 Bromobenzene	50.0	59.7	119.42	62-139
72 1,1,2,2-Tetrachlor	50.0	53.5	106.99	69-130
73 1,2,3-Trichloropro	50.0	49.9	99.84	60-131
74 n-Propylbenzene	50.0	58.4	116.80	71-132
75 2-Chlorotoluene	50.0	57.2	114.31	72-128
76 4-Chlorotoluene	50.0	56.5	113.05	73-124
77 1,3,5-Trimethylben	50.0	59.1	118.15	74-130
78 tert-Butylbenzene	50.0	52.8	105.69	63-117
79 1,2,4-Trimethylben	50.0	58.6	117.10	73-130
80 sec-Butylbenzene	50.0	58.1	116.21	73-130
81 1,3-Dichlorobenzen	50.0	52.8	105.57	76-125
83 p-Isopropyltoluene	50.0	55.7	111.46	66-131
84 1,4-Dichlorobenzen	50.0	52.3	104.64	75-122
85 1,2-Dichlorobenzen	50.0	53.2	106.33	76-124
86 n-Butylbenzene	50.0	56.0	112.11	68-135
87 1,2-Dibromo-3-chlo	50.0	40.2	80.49	61-125
88 1,2,4-Trichloroben	50.0	40.7	81.49	60-130
89 Hexachlorobutadien	50.0	44.1	88.25	70-130
90 Naphthalene	50.0	43.2	86.47	61-135
91 1,2,3-Trichloroben	50.0	40.7	81.48	58-131
138 Methyl Acetate	50.0	59.7	119.35	30-170
34 cyclohexane	50.0	49.6	99.13	63-134
139 Methylcyclohexane	50.0	48.6	97.13	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.5	105.07	82-122
$ 49 Toluene-d8	50.0	52.8	105.64	80-120
$ 70 4-Bromofluorobenze	50.0	49.9	99.88	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286314
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: ms50003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	33.7	
74-87-3	Chloromethane	42.0	
75-01-4	Vinyl Chloride	48.4	
74-83-9	Bromomethane	45.6	
75-00-3	Chloroethane	58.5	
75-69-4	Trichlorofluoromethane	58.2	
354-23-4	1,2-dichlorotrifluoroethane	61.2	
60-29-7	Diethyl ether	50.0	
75-65-0	tert-Butyl Alcohol	117	
107-02-8	Acrolein	1130	
76-13-1	1,1,2trichlorotrifluoroethan	65.9	
75-35-4	1,1-Dichloroethene	58.4	
67-64-1	Acetone	212	
	Iodomethane	153	
75-15-0	Carbon Disulfide	115	
75-05-8	Acetonitrile	2070	
79-20-9	Methyl Acetate	59.7	
75-09-2	Methylene Chloride	50.7	
107-13-1	Acrylonitrile	989	
1634-04-4	Methyl-tert-butyl ether	95.7	
156-60-5	1,2-Dichloroethene (trans)	58.5	
	n-Hexane	55.7	
75-34-3	1,1-Dichloroethane	49.8	
108-05-4	Vinyl Acetate	166	
141-78-6	Ethyl acetate	495	
126-99-8	Chloroprene	50.4	
594-20-7	2,2-Dichloropropane	53.8	
156-59-2	1,2-Dichloroethene (cis)	55.7	
78-93-3	2-Butanone	224	
107-12-0	Propionitrile	40.1	
74-97-5	Bromochloromethane	56.7	
126-98-7	Methacrylonitrile	164	
67-66-3	Chloroform	54.2	
71-55-6	1,1,1-Trichloroethane	53.7	
110-82-7	cyclohexane	49.6	
56-23-5	Carbon Tetrachloride	55.7	
563-58-6	1,1-Dichloropropene	52.1	
71-43-2	Benzene	49.5	
108-21-4	isopropyl acetate	262	
107-06-2	1,2-Dichloroethane	51.9	
79-01-6	Trichloroethene	52.7	
108-87-2	Methylcyclohexane	48.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286314
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: ms50003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	50.6	
74-95-3	Dibromomethane	49.0	
80-62-6	Methyl methacrylate	41.9	
540-84-1	2,2,4-Trimethylpentane	44.7	
	1,4-Dioxane	16800	
75-27-4	Bromodichloromethane	49.3	
10061-01-5	cis-1,3-Dichloropropene	50.9	
108-10-1	4-Methyl-2-Pentanone	253	
108-88-3	Toluene	53.9	
10061-02-6	trans-1,3-Dichloropropene	47.9	
	Ethyl Methacrylate	46.7	
79-00-5	1,1,2-Trichloroethane	51.8	
127-18-4	Tetrachloroethene	47.2	
142-28-9	1,3-Dichloropropane	51.0	
591-78-6	2-Hexanone	264	
124-48-1	Dibromochloromethane	50.0	
106-93-4	1,2-Dibromoethane	50.8	
108-90-7	Chlorobenzene	50.9	
630-20-6	1,1,1,2-Tetrachloroethane	52.1	
100-41-4	Ethylbenzene	56.6	
7816-60-0	m&p-Xylene	105	
95-47-6	o-Xylene	53.1	
100-42-5	Styrene	49.8	
75-25-2	Bromoform	43.9	
98-82-8	Isopropylbenzene	54.0	
	trans-1,4-Dichloro-2-butene	41.0	
628-63-7	n-amyl acetate	244000	
108-86-1	Bromobenzene	59.7	
79-34-5	1,1,2,2-Tetrachloroethane	53.5	
96-18-4	1,2,3-Trichloropropane	49.9	
103-65-1	n-Propylbenzene	58.4	
95-49-8	2-Chlorotoluene	57.2	
108-67-8	1,3,5-Trimethylbenzene	59.1	
106-43-4	4-Chlorotoluene	56.5	
98-06-6	tert-Butylbenzene	52.8	
95-63-6	1,2,4-Trimethylbenzene	58.6	
135-98-8	sec-Butylbenzene	58.1	
541-73-1	1,3-Dichlorobenzene	52.8	
99-87-6	p-Isopropyltoluene	55.7	
106-46-7	1,4-Dichlorobenzene	52.3	
104-51-8	n-Butylbenzene	56.0	
95-50-1	1,2-Dichlorobenzene	53.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

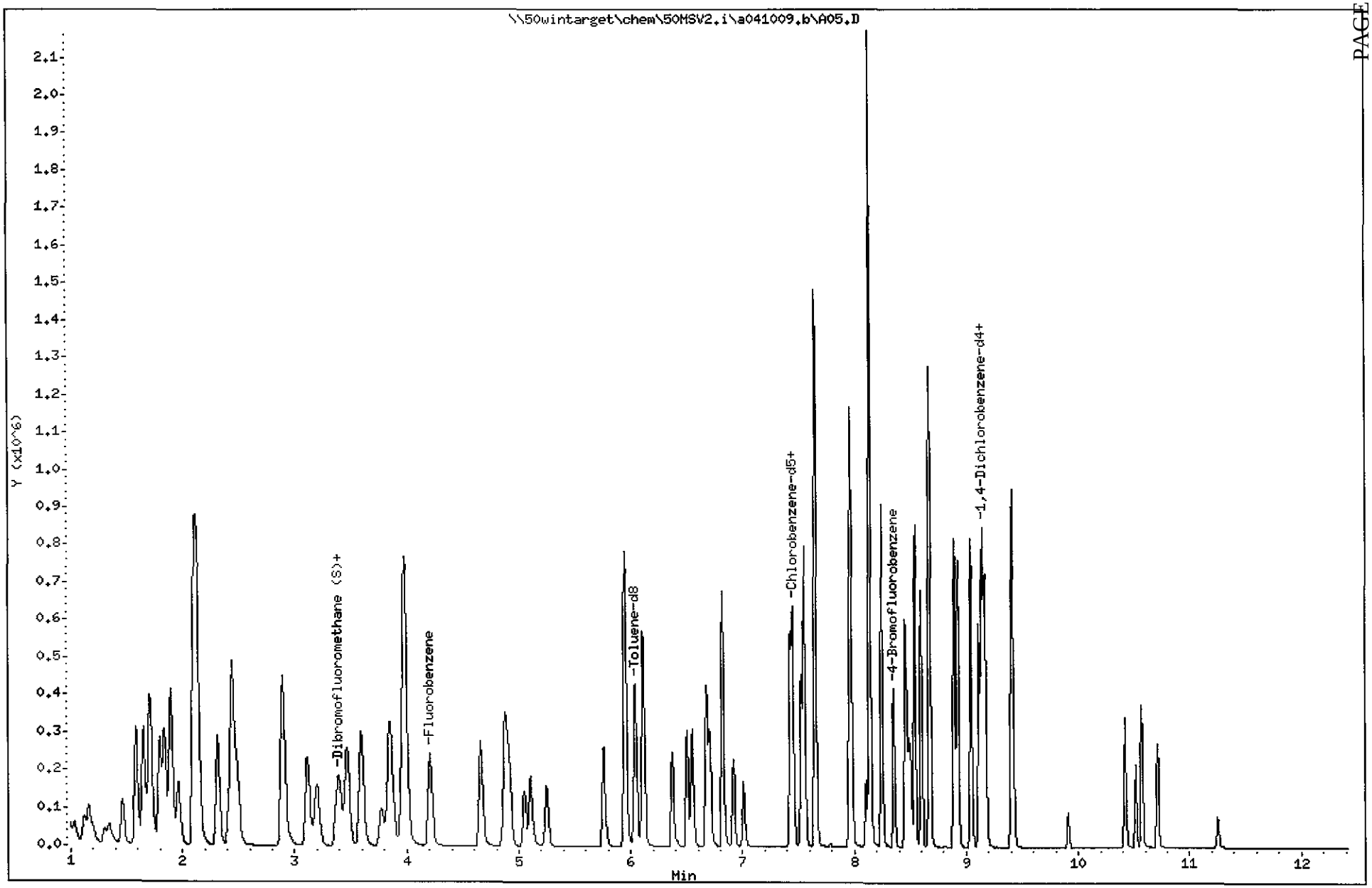
Client Name:
Lab Smp Id: 286314
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: ms50003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	40.2	
120-82-1	1,2,4-Trichlorobenzene	40.7	
87-68-3	Hexachlorobutadiene	44.1	
91-20-3	Naphthalene	43.2	
87-61-6	1,2,3-Trichlorobenzene	40.7	
	2,methyl-naphthalene	32.0	
1868-53-7	Dibromofluoromethane (S)	52.5	
2037-26-5	Toluene-d8	52.8	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A05.D
Date : 10-APR-2009 14:58
Client ID: ms50003
Sample Info: ms5025055003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



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Section 5: Method Blank Data

** Method Blanks*

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\A03MB.D
Lab Smp Id: 285649 Client Smp ID: mb
Inj Date : 09-APR-2009 12:44
Operator : amv Inst ID: 50MSV2.i
Smp Info : mb
Misc Info : 15548
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 7 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)
$ 32 Dibromofluoromethane (S)	113	3.373	3.362	(0.802)	101922	52.8616	52.9
* 40 Fluorobenzene	96	4.205	4.194	(1.000)	372393	50.0000	
143 2,2,4-Trimethylpentane	57	3.972	3.961	(0.945)	992	3.01551	3.02
$ 49 Toluene-d8	98	6.040	6.034	(0.813)	336002	53.9027	53.9
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	316131	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	122225	49.8861	49.9
74 n-Propylbenzene	91	8.546	8.535	(0.933)	1922	2.53611	2.54
77 1,3,5-Trimethylbenzene	105	8.670	8.665	(0.947)	1475	1.16116	1.16
78 tert-Butylbenzene	119	8.893	8.887	(0.971)	1713	1.43346	1.43
79 1,2,4-Trimethylbenzene	105	8.929	8.918	(0.975)	1438	1.79875	1.80
80 sec-Butylbenzene	105	9.043	9.037	(0.988)	3064	2.34136	2.34
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	141428	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A03MB.D
Lab Smp Id: 285649
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	372393	19.53
59 Chlorobenzene-d5	282684	141342	565368	316131	11.83
82 1,4-Dichlorobenze	140868	70434	281736	141428	0.40

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.26
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285649
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: mb
Operator: amv
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.9	105.72	82-122
$ 49 Toluene-d8	50.0	53.9	107.81	80-120
$ 70 4-Bromofluorobenze	50.0	49.9	99.77	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

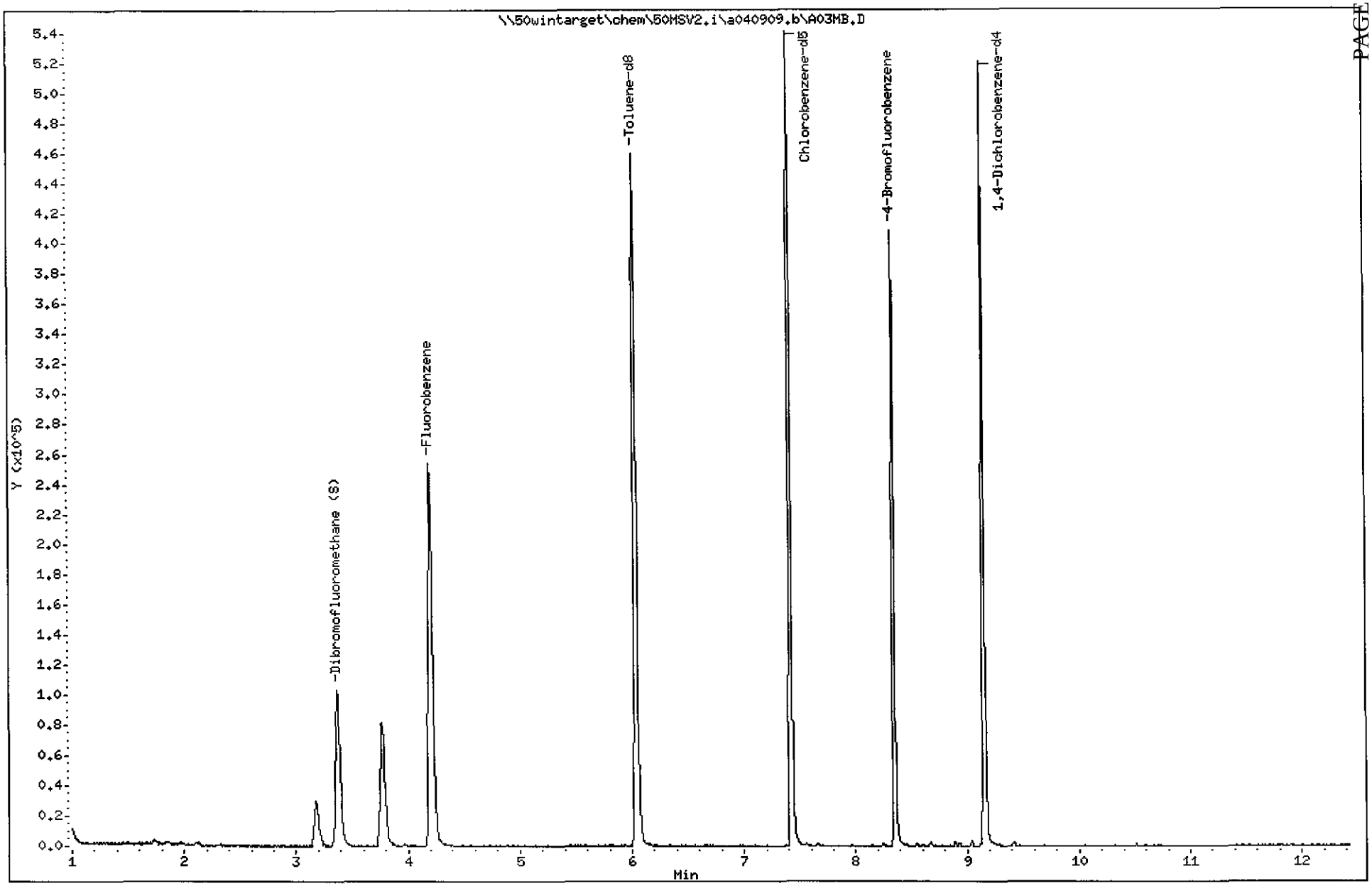
Client Name:
Lab Smp Id: 285649
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
540-84-1	2,2,4-Trimethylpentane	3.02	
103-65-1	n-Propylbenzene	2.54	
108-67-8	1,3,5-Trimethylbenzene	1.16	
98-06-6	tert-Butylbenzene	1.43	
95-63-6	1,2,4-Trimethylbenzene	1.80	
135-98-8	sec-Butylbenzene	2.34	
1868-53-7	Dibromofluoromethane (S)	52.9	
2037-26-5	Toluene-d8	53.9	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A03MB.D
Date : 09-APR-2009 12:44
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C03MB.D
Lab Smp Id: 285655 Client Smp ID: mb
Inj Date : 10-APR-2009 01:04
Operator : amv Inst ID: 50MSV2.i
Smp Info : mb
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 49 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)
$ 32 Dibromofluoromethane (S)	113	3.372	3.362	(0.802)	100316	52.5886	52.6
* 40 Fluorobenzene	96	4.204	4.194	(1.000)	368428	50.0000	
$ 49 Toluene-d8	98	6.039	6.034	(0.814)	336400	54.5525	54.6
* 59 Chlorobenzene-d5	117	7.419	7.419	(1.000)	312735	50.0000	
$ 70 4-Bromofluorobenzene	95	8.349	8.349	(1.125)	122916	50.7129	50.7
77 1,3,5-Trimethylbenzene	105	8.670	8.665	(0.947)	1341	1.13819	1.14
78 tert-Butylbenzene	119	8.892	8.887	(0.972)	1831	1.44448	1.44
79 1,2,4-Trimethylbenzene	105	8.928	8.918	(0.976)	1428	1.79437	1.79
80 sec-Butylbenzene	105	9.042	9.037	(0.988)	3329	2.36438	2.36
83 p-Isopropyltoluene	119	9.135	9.135	(0.998)	2480	1.96405	1.96
* 82 1,4-Dichlorobenzene-d4	152	9.151	9.150	(1.000)	143348	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C03MB.D
Lab Smp Id: 285655
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	368428	18.26
59 Chlorobenzene-d5	282684	141342	565368	312735	10.63
82 1,4-Dichlorobenze	140868	70434	281736	143348	1.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.25
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.00
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 285655
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: mb
Operator: amv
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.6	105.18	82-122
$ 49 Toluene-d8	50.0	54.6	109.11	80-120
$ 70 4-Bromofluorobenze	50.0	50.7	101.43	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

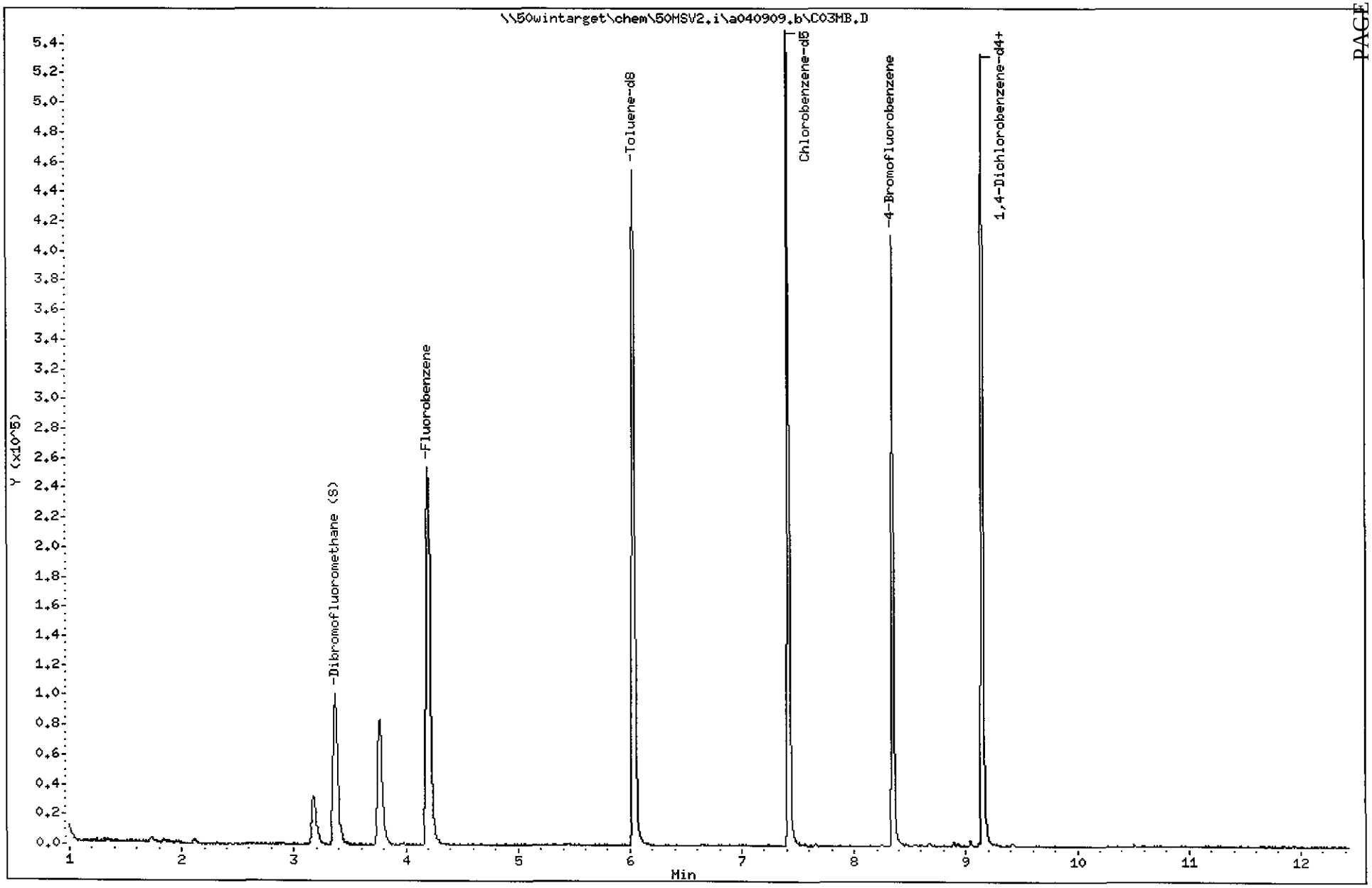
Client Name:
Lab Smp Id: 285655
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-67-8	1,3,5-Trimethylbenzene	1.14	
98-06-6	tert-Butylbenzene	1.44	
95-63-6	1,2,4-Trimethylbenzene	1.79	
135-98-8	sec-Butylbenzene	2.36	
99-87-6	p-Isopropyltoluene	1.96	
1868-53-7	Dibromofluoromethane (S)	52.6	
2037-26-5	Toluene-d8	54.6	
460-00-4	4-Bromofluorobenzene	50.7	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C03MB.D
Date : 10-APR-2009 01:04
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A03MB.D
Lab Smp Id: 286315 Client Smp ID: mb
Inj Date : 10-APR-2009 13:50
Operator : amv Inst ID: 50MSV2.i
Smp Info : mb
Misc Info : 15588
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 7 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)
$ 32 Dibromofluoromethane (S)	113	3.378	3.359	(0.802)	104177	52.4236	52.4
* 40 Fluorobenzene	96	4.210	4.191	(1.000)	383812	50.0000	
143 2,2,4-Trimethylpentane	57	3.967	3.948	(0.942)	22642	5.75116	5.75
$ 49 Toluene-d8	98	6.045	6.026	(0.814)	344107	56.8163	56.8
* 59 Chlorobenzene-d5	117	7.424	7.411	(1.000)	307154	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.341	(1.125)	109351	45.9360	45.9
74 n-Propylbenzene	91	8.551	8.532	(0.934)	1907	2.62982	2.63
77 1,3,5-Trimethylbenzene	105	8.675	8.656	(0.948)	1397	1.25606	1.26
78 tert-Butylbenzene	119	8.898	8.884	(0.972)	1905	1.56952	1.57
79 1,2,4-Trimethylbenzene	105	8.929	8.915	(0.975)	1268	1.86960	1.87
80 sec-Butylbenzene	105	9.047	9.028	(0.988)	3029	2.49755	2.50
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.147	(1.000)	93951	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A03MB.D
Lab Smp Id: 286315
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15588

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	383812	23.20
59 Chlorobenzene-d5	282684	141342	565368	307154	8.66
82 1,4-Dichlorobenze	140868	70434	281736	93951	-33.31

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.45
59 Chlorobenzene-d5	7.41	6.91	7.91	7.42	0.19
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 286315
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15588

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: mb
Operator: amv
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.4	104.85	82-122
$ 49 Toluene-d8	50.0	56.8	113.63	80-120
$ 70 4-Bromofluorobenze	50.0	45.9	91.87	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

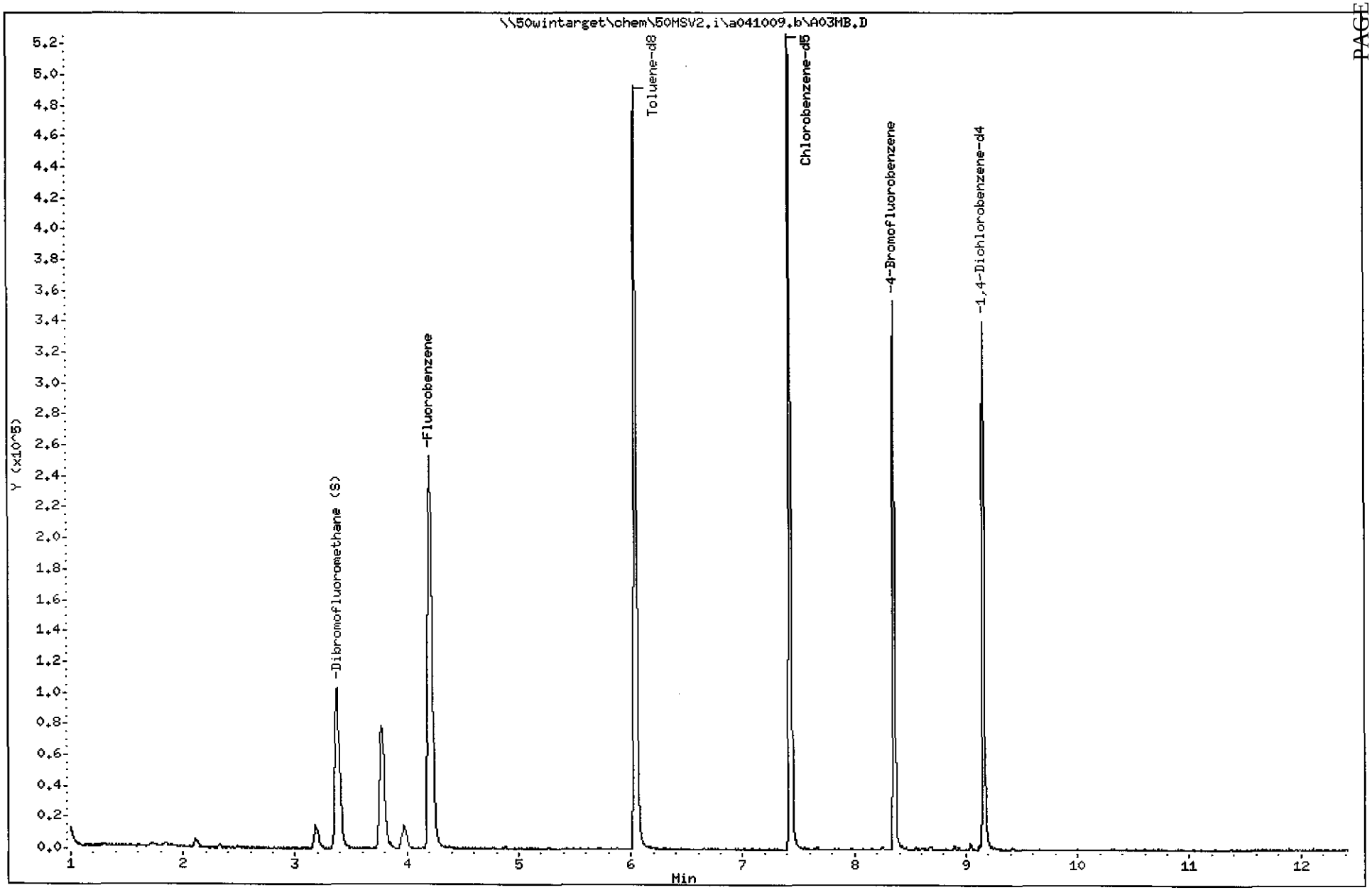
Client Name:
Lab Smp Id: 286315
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15588

Client SDG: a041009.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
540-84-1	2,2,4-Trimethylpentane	5.75	
103-65-1	n-Propylbenzene	2.63	
108-67-8	1,3,5-Trimethylbenzene	1.26	
98-06-6	tert-Butylbenzene	1.57	
95-63-6	1,2,4-Trimethylbenzene	1.87	
135-98-8	sec-Butylbenzene	2.50	
1868-53-7	Dibromofluoromethane (S)	52.4	
2037-26-5	Toluene-d8	56.8	
460-00-4	4-Bromofluorobenzene	45.9	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A03MB.D
Date : 10-APR-2009 13:50
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



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VOA 8260B
GC/MS Volatiles

Section 6: Client Sample Data

** Client Sample Raw Data*
** Dilutions or Reruns of Client Samples*
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C04.D
Lab Smp Id: 5025055001 Client Smp ID: 55001
Inj Date : 10-APR-2009 01:38
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055001
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 51
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)
$ 32 Dibromofluoromethane (S)	113	3.373	3.362	(0.802)	105373	53.8177	53.8
* 40 Fluorobenzene	96	4.205	4.194	(1.000)	378162	50.0000	
$ 49 Toluene-d8	98	6.039	6.034	(0.813)	343552	55.2290	55.2
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	315472	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	123016	50.3138	50.3
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	141452	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C04.D
Lab Smp Id: 5025055001
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55001
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	378162	21.39
59 Chlorobenzene-d5	282684	141342	565368	315472	11.60
82 1,4-Dichlorobenze	140868	70434	281736	141452	0.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.26
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055001
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55001
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.64	82-122
$ 49 Toluene-d8	50.0	55.2	110.46	80-120
$ 70 4-Bromofluorobenze	50.0	50.3	100.63	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

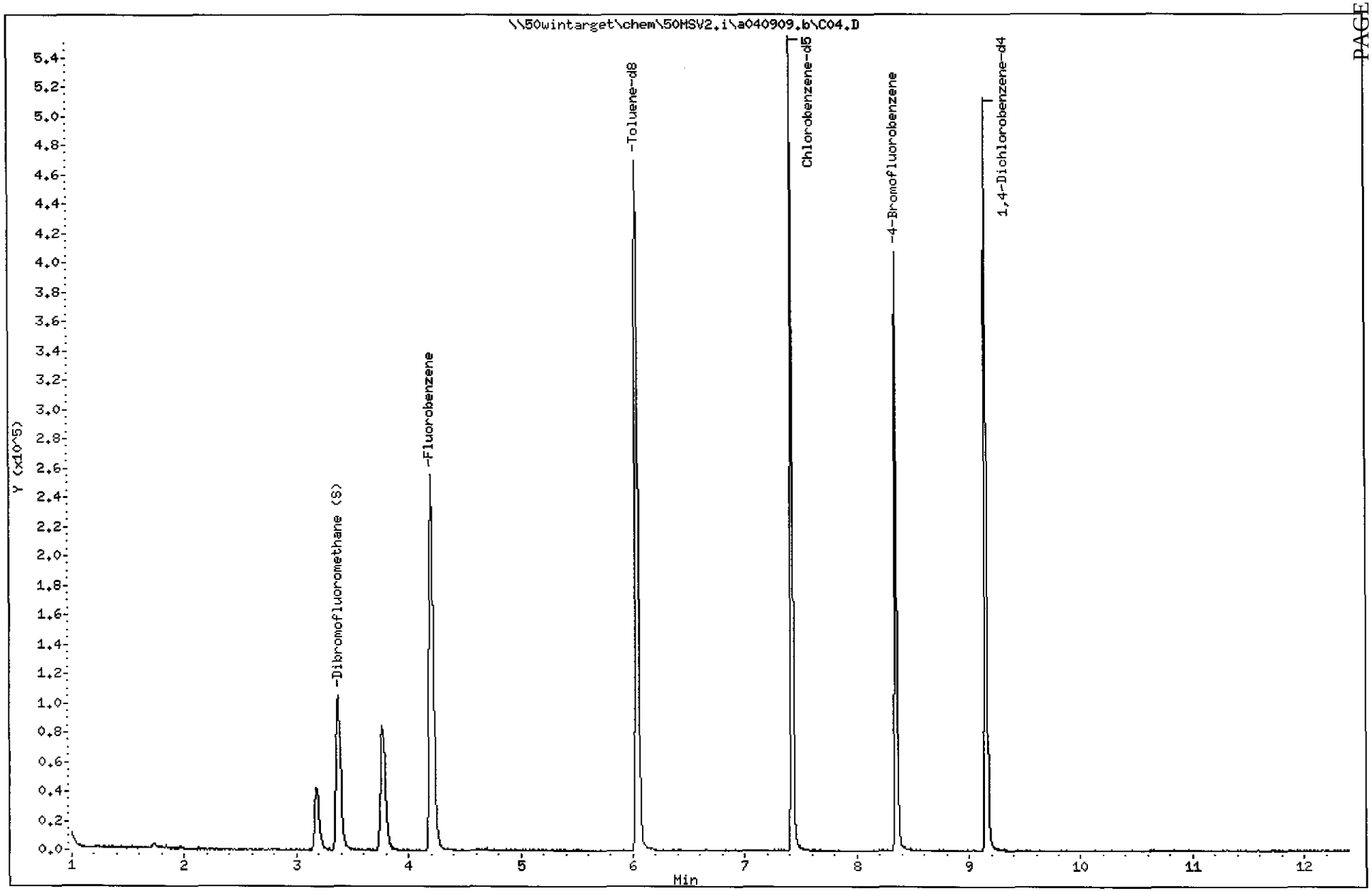
Client Name:
Lab Smp Id: 5025055001
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	55.2	
460-00-4	4-Bromofluorobenzene	50.3	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C04.D
Date : 10-APR-2009 01:38
Client ID: 55001
Sample Info: 5025055001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C05.D
Lab Smp Id: 5025055002 Client Smp ID: 55002
Inj Date : 10-APR-2009 02:12
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055002
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 53
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)
$ 32 Dibromofluoromethane (S)	113	3.378	3.362	(0.802)	103268	53.6147	53.6
* 40 Fluorobenzene	96	4.210	4.194	(1.000)	372011	50.0000	
$ 49 Toluene-d8	98	6.040	6.034	(0.813)	341888	54.1123	54.1
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	320423	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	125396	50.4948	50.5
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	141856	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C05.D
Lab Smp Id: 5025055002
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55002
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	372011	19.41
59 Chlorobenzene-d5	282684	141342	565368	320423	13.35
82 1,4-Dichlorobenze	140868	70434	281736	141856	0.70

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.39
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055002
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55002
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.6	107.23	82-122
$ 49 Toluene-d8	50.0	54.1	108.22	80-120
$ 70 4-Bromofluorobenze	50.0	50.5	100.99	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

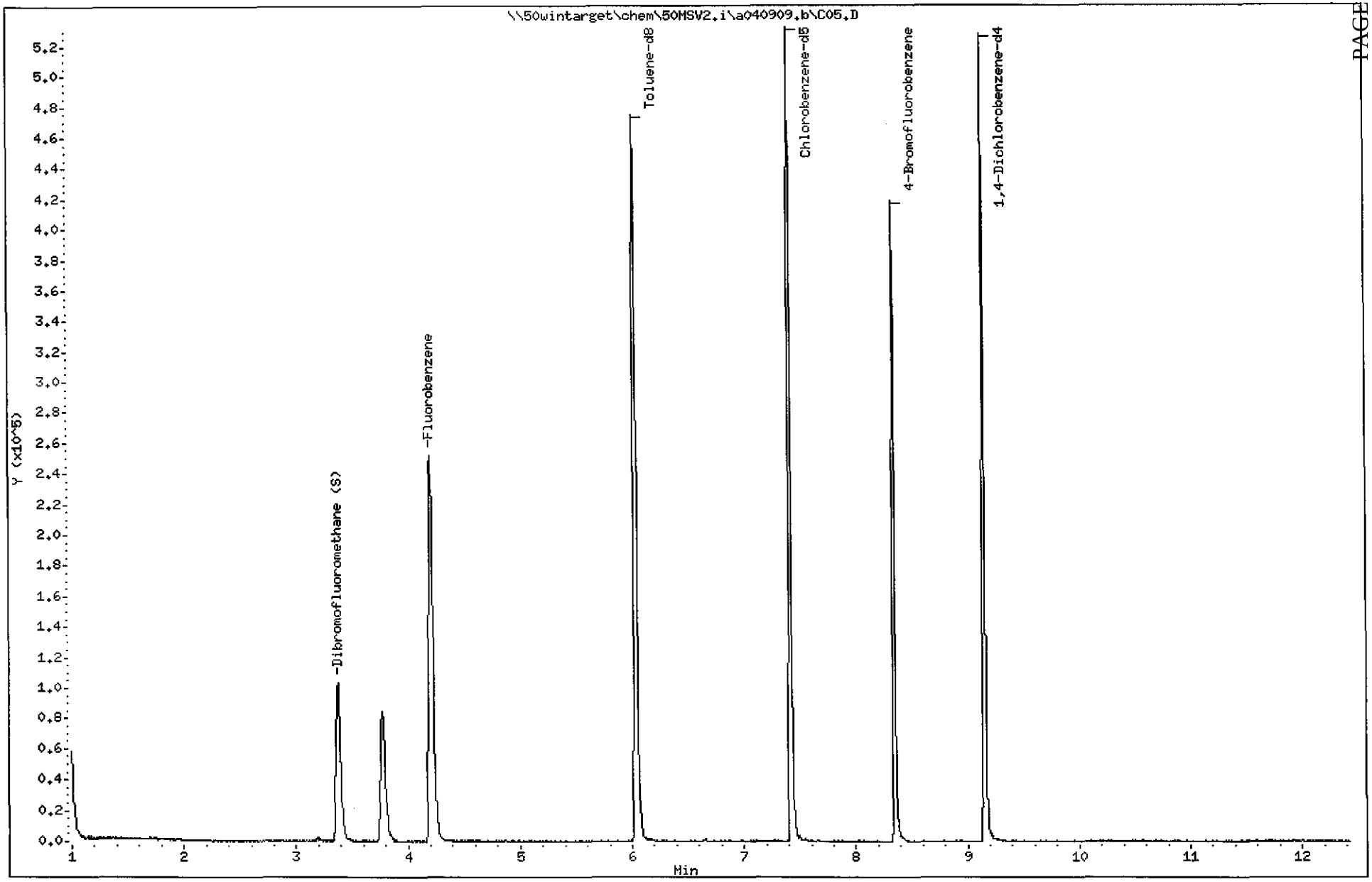
Client Name:
Lab Smp Id: 5025055002
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55002
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.6	
2037-26-5	Toluene-d8	54.1	
460-00-4	4-Bromofluorobenzene	50.5	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C05.D
Date : 10-APR-2009 02:12
Client ID: 55002
Sample Info: 5025055002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A04.D
Lab Smp Id: 5025055003 Client Smp ID: 55003
Inj Date : 10-APR-2009 14:24
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055003
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 9
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)
$ 32 Dibromofluoromethane (S)	113	3.384	3.359	(0.803)	102172	53.9258	53.9
* 40 Fluorobenzene	96	4.217	4.191	(1.000)	365939	50.0000	
$ 49 Toluene-d8	98	6.046	6.026	(0.814)	330328	54.3598	54.4
* 59 Chlorobenzene-d5	117	7.426	7.411	(1.000)	308179	50.0000	
$ 70 4-Bromofluorobenzene	95	8.357	8.341	(1.125)	118995	49.8210	49.8
* 82 1,4-Dichlorobenzene-d4	152	9.158	9.147	(1.000)	137773	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A04.D
Lab Smp Id: 5025055003
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: 55003
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	365939	17.46
59 Chlorobenzene-d5	282684	141342	565368	308179	9.02
82 1,4-Dichlorobenze	140868	70434	281736	137773	-2.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.62
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.21
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055003
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: 55003
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.9	107.85	82-122
$ 49 Toluene-d8	50.0	54.4	108.72	80-120
$ 70 4-Bromofluorobenze	50.0	49.8	99.64	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

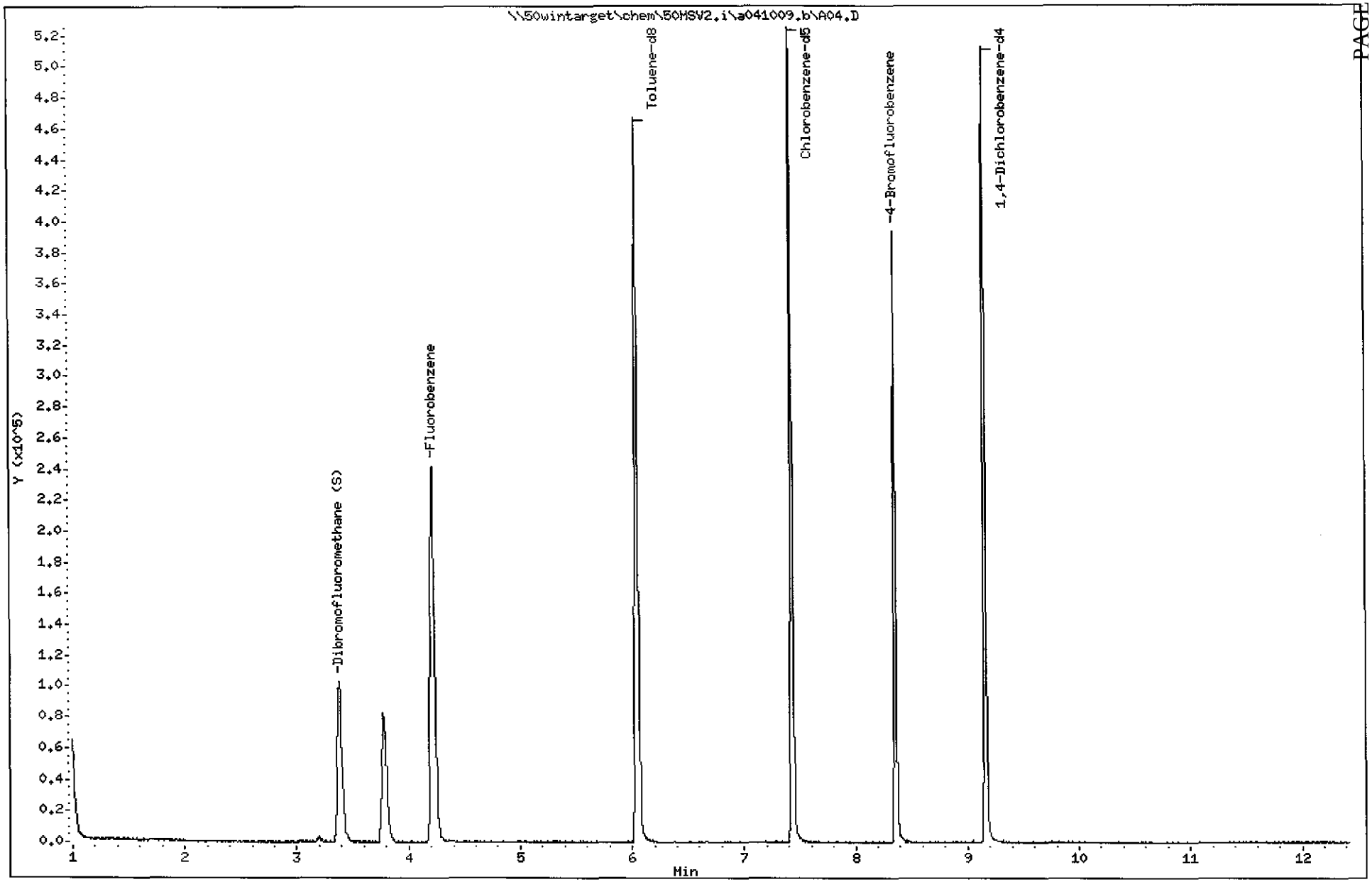
Client Name:
Lab Smp Id: 5025055003
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: 55003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.9	
2037-26-5	Toluene-d8	54.4	
460-00-4	4-Bromofluorobenzene	49.8	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A04.D
Date : 10-APR-2009 14:24
Client ID: 55003
Sample Info: 5025055003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C06.D
Lab Smp Id: 5025055004 Client Smp ID: 55004
Inj Date : 10-APR-2009 02:45
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055004
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 55
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)
$ 32 Dibromofluoromethane (S)	113	3.368	3.362	(0.802)	106291	53.7407	53.7
* 40 Fluorobenzene	96	4.200	4.194	(1.000)	382003	50.0000	
$ 49 Toluene-d8	98	6.035	6.034	(0.813)	344966	53.3635	53.4
* 59 Chlorobenzene-d5	117	7.420	7.419	(1.000)	327844	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	126761	49.8890	49.9
* 82 1,4-Dichlorobenzene-d4	152	9.151	9.150	(1.000)	147523	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C06.D
Lab Smp Id: 5025055004
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55004
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	382003	22.62
59 Chlorobenzene-d5	282684	141342	565368	327844	15.98
82 1,4-Dichlorobenze	140868	70434	281736	147523	4.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.14
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.01
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055004
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55004
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.7	107.48	82-122
$ 49 Toluene-d8	50.0	53.4	106.73	80-120
$ 70 4-Bromofluorobenze	50.0	49.9	99.78	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025055004
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55004
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.7	
2037-26-5	Toluene-d8	53.4	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C06.D

Page 5

Date : 10-APR-2009 02:45

Client ID: 55004

Instrument: 50MSV2.i

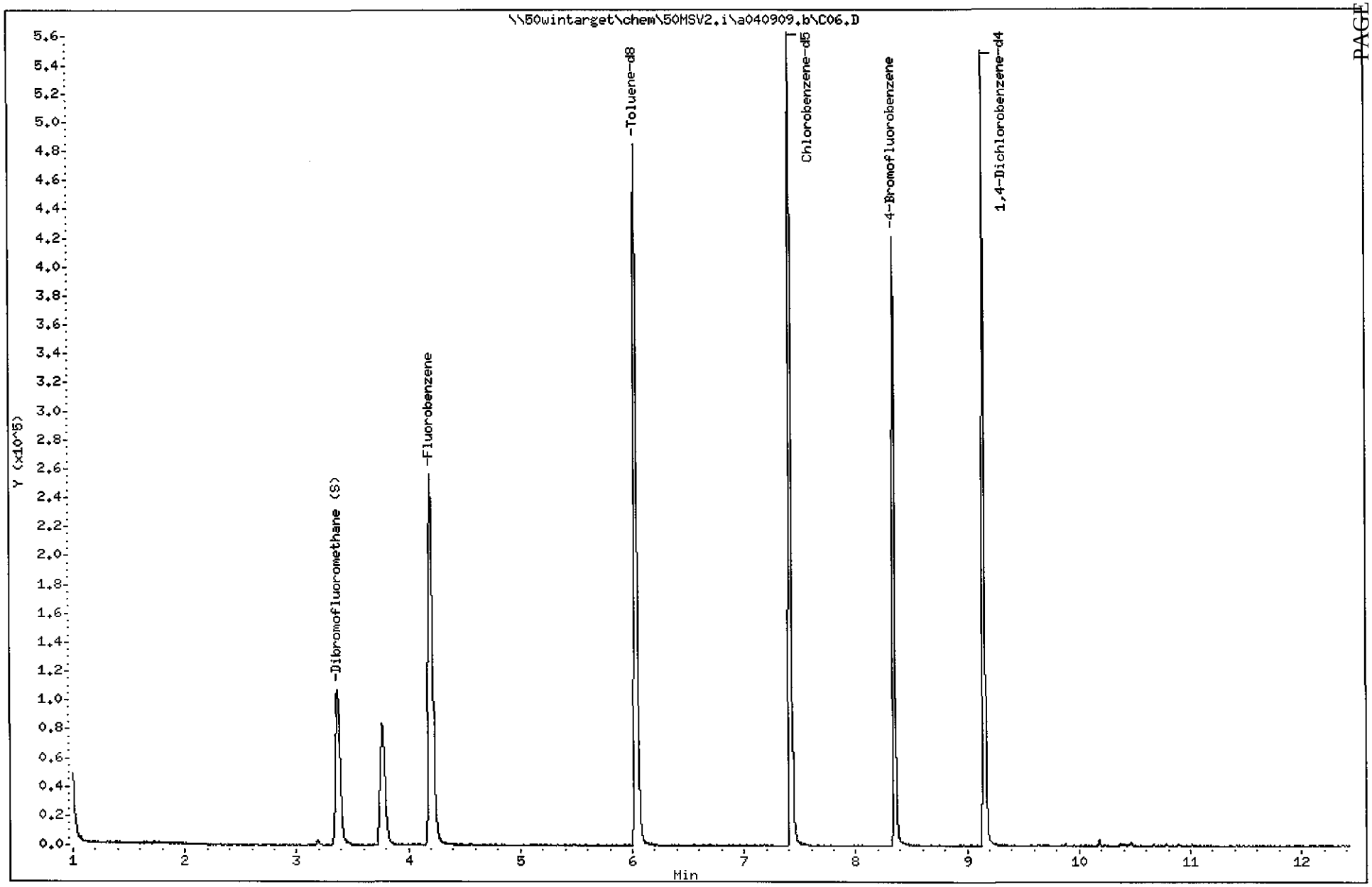
Sample Info: 5025055004

Purge Volume: 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C07.D
Lab Smp Id: 5025055005 Client Smp ID: 55005
Inj Date : 10-APR-2009 03:19
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055005
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 57
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)
$ 32 Dibromofluoromethane (S)	113	3.373	3.362	(0.802)	104328	54.5680	54.6
* 40 Fluorobenzene	96	4.205	4.194	(1.000)	369264	50.0000	
$ 49 Toluene-d8	98	6.040	6.034	(0.814)	338382	55.1267	55.1
* 59 Chlorobenzene-d5	117	7.420	7.419	(1.000)	311301	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	125868	52.1700	52.2
78 tert-Butylbenzene	119	8.893	8.887	(0.971)	1567	1.41296	1.41
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	144002	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C07.D
Lab Smp Id: 5025055005
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55005
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	369264	18.53
59 Chlorobenzene-d5	282684	141342	565368	311301	10.12
82 1,4-Dichlorobenze	140868	70434	281736	144002	2.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.27
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.01
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055005
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55005
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.6	109.14	82-122
$ 49 Toluene-d8	50.0	55.1	110.25	80-120
$ 70 4-Bromofluorobenze	50.0	52.2	104.34	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

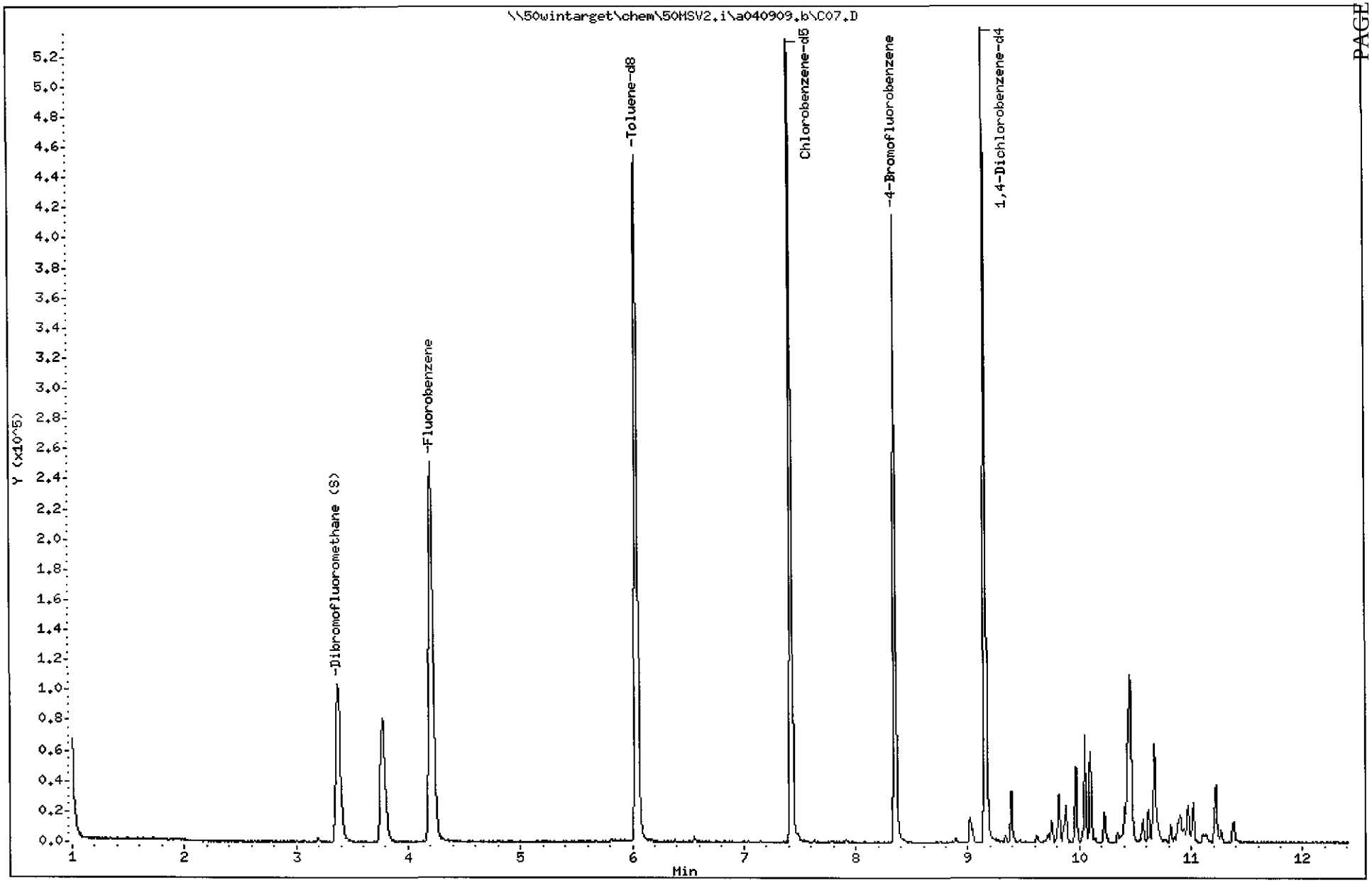
Client Name:
Lab Smp Id: 5025055005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
98-06-6	tert-Butylbenzene	1.41	
1868-53-7	Dibromofluoromethane (S)	54.6	
2037-26-5	Toluene-d8	55.1	
460-00-4	4-Bromofluorobenzene	52.2	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C07.D
Date : 10-APR-2009 03:19
Client ID: 55005
Sample Info: 5025055005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A06.D
Lab Smp Id: 5025055006 Client Smp ID: 55006
Inj Date : 10-APR-2009 15:31
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055006
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 13
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)
$ 32 Dibromofluoromethane (S)	113	3.379	3.359	(0.801)	97806	52.7775	52.8
* 40 Fluorobenzene	96	4.217	4.191	(1.000)	357924	50.0000	
$ 49 Toluene-d8	98	6.046	6.026	(0.814)	324542	54.5962	54.6
* 59 Chlorobenzene-d5	117	7.431	7.411	(1.000)	301470	50.0000	
$ 70 4-Bromofluorobenzene	95	8.357	8.341	(1.124)	118218	50.5971	50.6
77 1,3,5-Trimethylbenzene	105	8.682	8.656	(0.948)	734	1.05749	1.06
79 1,2,4-Trimethylbenzene	105	8.930	8.915	(0.975)	1126	1.76450	1.76
* 82 1,4-Dichlorobenzene-d4	152	9.158	9.147	(1.000)	131562	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A06.D
Lab Smp Id: 5025055006
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: 55006
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	357924	14.89
59 Chlorobenzene-d5	282684	141342	565368	301470	6.65
82 1,4-Dichlorobenze	140868	70434	281736	131562	-6.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.62
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.28
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055006
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: 55006
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.8	105.55	82-122
$ 49 Toluene-d8	50.0	54.6	109.19	80-120
$ 70 4-Bromofluorobenze	50.0	50.6	101.19	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

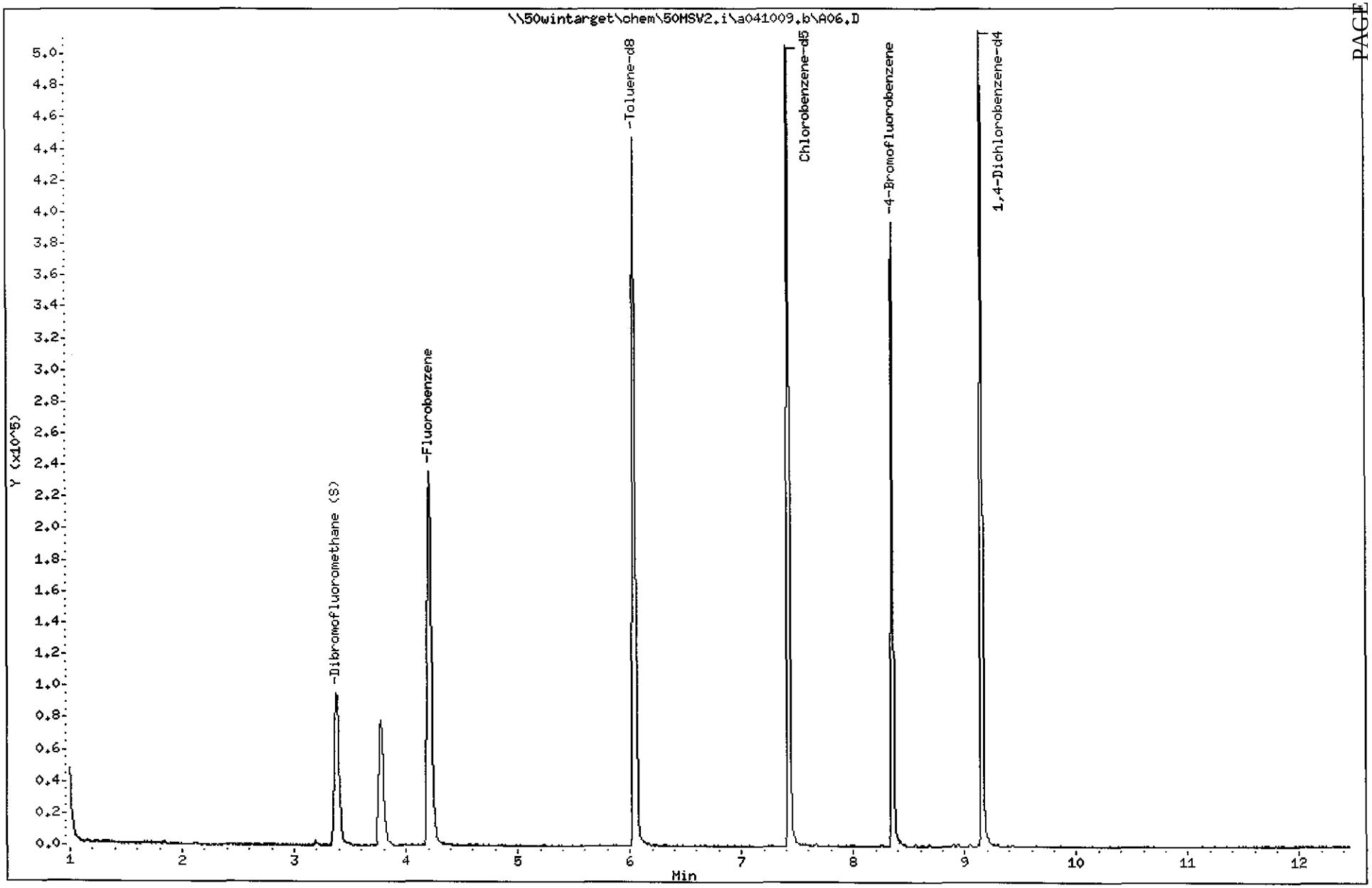
Client Name:
Lab Smp Id: 5025055006
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: 55006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-67-8	1,3,5-Trimethylbenzene	1.06	
95-63-6	1,2,4-Trimethylbenzene	1.76	
1868-53-7	Dibromofluoromethane (S)	52.8	
2037-26-5	Toluene-d8	54.6	
460-00-4	4-Bromofluorobenzene	50.6	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A06.D
Date : 10-APR-2009 15:31
Client ID: 55006
Sample Info: 5025055006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\A19.D
Lab Smp Id: 5025055007 Client Smp ID: 55007
Inj Date : 09-APR-2009 21:41
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055007
Misc Info : 15548
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 39
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)
$ 32 Dibromofluoromethane (S)	113	3.368	3.362	(0.802)	106165	53.8358	53.8
* 40 Fluorobenzene	96	4.200	4.194	(1.000)	380876	50.0000	
41 Trichloroethene	95	4.670	4.649	(1.112)	3577	4.40332	4.40
$ 49 Toluene-d8	98	6.035	6.034	(0.813)	345697	54.3360	54.3
* 59 Chlorobenzene-d5	117	7.420	7.419	(1.000)	322659	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	124037	49.6014	49.6
* 82 1,4-Dichlorobenzene-d4	152	9.151	9.150	(1.000)	140736	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A19.D
Lab Smp Id: 5025055007
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55007
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	380876	22.26
59 Chlorobenzene-d5	282684	141342	565368	322659	14.14
82 1,4-Dichlorobenze	140868	70434	281736	140736	-0.09

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.20	0.15
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.01
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055007
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15548

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55007
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.67	82-122
$ 49 Toluene-d8	50.0	54.3	108.67	80-120
$ 70 4-Bromofluorobenze	50.0	49.6	99.20	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

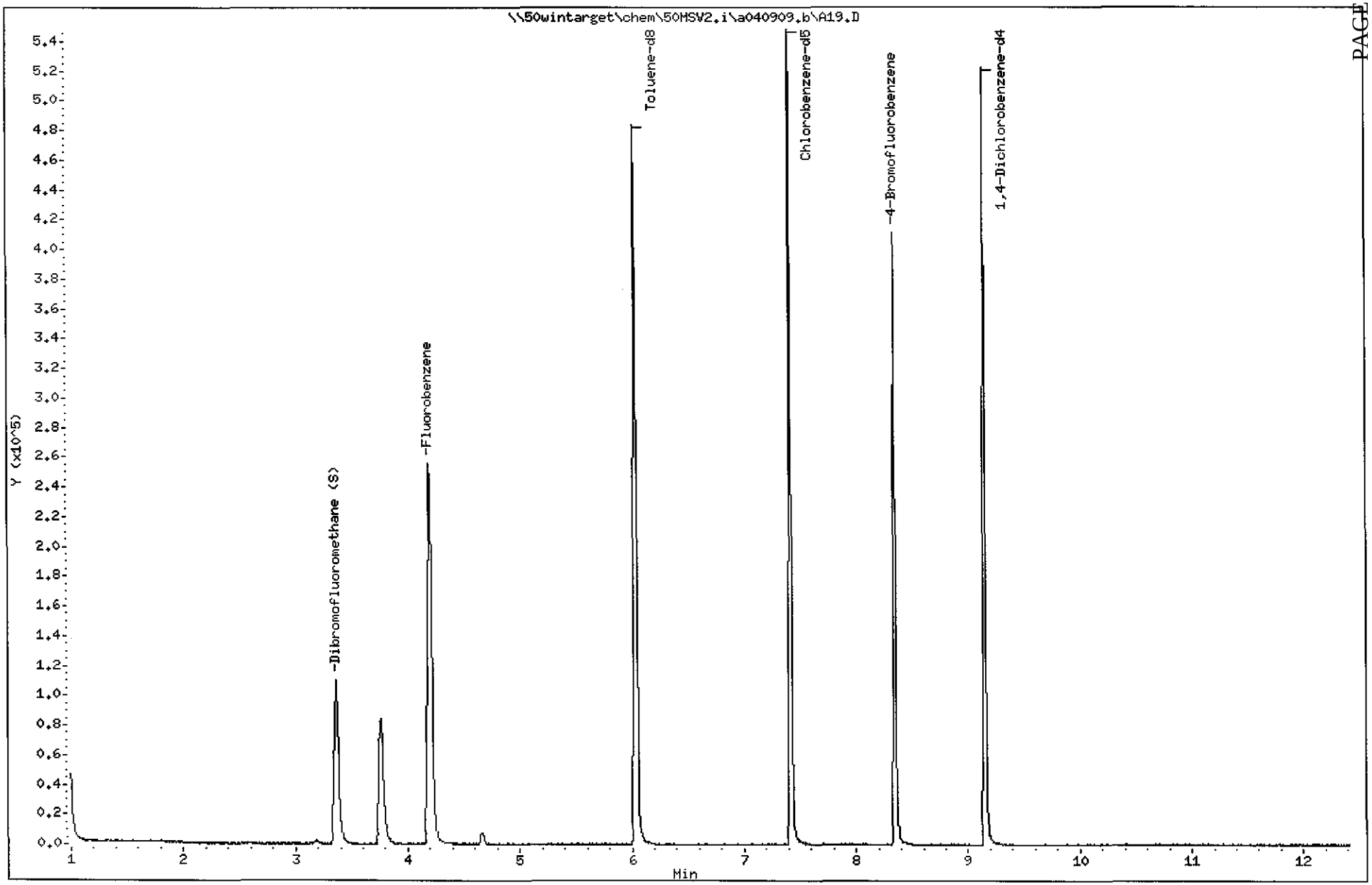
Client Name:
Lab Smp Id: 5025055007
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15548

Client SDG: a040909.b
Client Smp ID: 55007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	4.40	
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	54.3	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\A19.D
Date : 09-APR-2009 21:41
Client ID: 55007
Sample Info: 5025055007
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C08.D
Lab Smp Id: 5025055008 Client Smp ID: 55008
Inj Date : 10-APR-2009 03:53
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055008
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 59
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)
$ 32 Dibromofluoromethane (S)	113	3.378	3.362	(0.802)	102875	53.7508	53.8
* 40 Fluorobenzene	96	4.210	4.194	(1.000)	369657	50.0000	
$ 49 Toluene-d8	98	6.040	6.034	(0.813)	339410	54.1658	54.2
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	317786	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	126095	51.1976	51.2
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	147382	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C08.D
Lab Smp Id: 5025055008
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55008
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	369657	18.66
59 Chlorobenzene-d5	282684	141342	565368	317786	12.42
82 1,4-Dichlorobenze	140868	70434	281736	147382	4.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.39
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055008
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55008
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.50	82-122
$ 49 Toluene-d8	50.0	54.2	108.33	80-120
$ 70 4-Bromofluorobenze	50.0	51.2	102.40	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

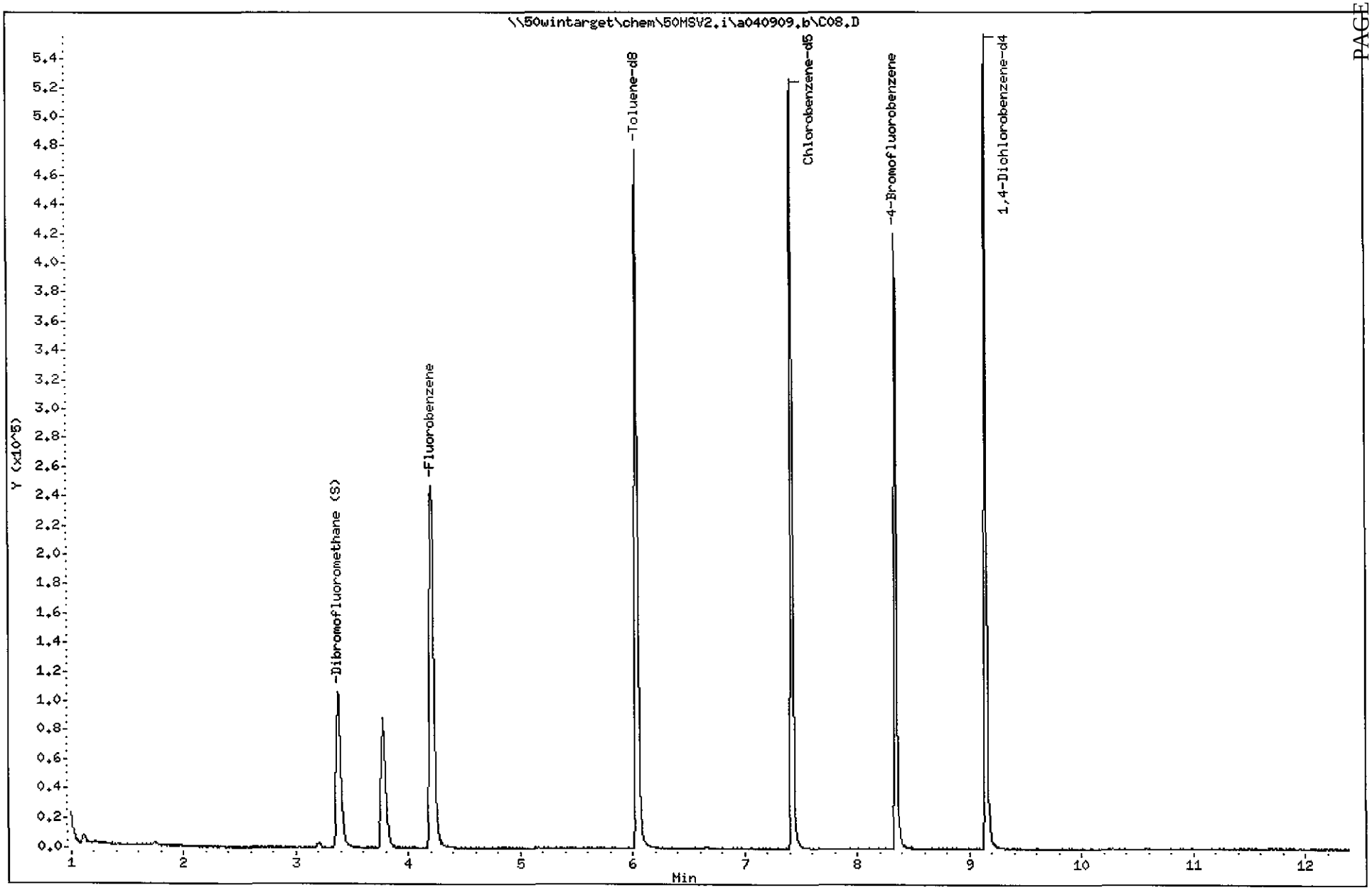
Client Name:
Lab Smp Id: 5025055008
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55008
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	54.2	
460-00-4	4-Bromofluorobenzene	51.2	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C08.D
Date : 10-APR-2009 03:53
Client ID: 55008
Sample Info: 5025055008
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amw
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C09.D
Lab Smp Id: 5025055009 Client Smp ID: 55009
Inj Date : 10-APR-2009 04:26
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055009
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 61
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)
$ 32 Dibromofluoromethane (S)	113	3.377	3.362	(0.802)	108296	54.2868	54.3
* 40 Fluorobenzene	96	4.210	4.194	(1.000)	385294	50.0000	
$ 49 Toluene-d8	98	6.039	6.034	(0.813)	349484	54.1445	54.1
* 59 Chlorobenzene-d5	117	7.424	7.419	(1.000)	327347	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	126833	49.9931	50.0
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	147726	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C09.D
Lab Smp Id: 5025055009
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55009
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	385294	23.67
59 Chlorobenzene-d5	282684	141342	565368	327347	15.80
82 1,4-Dichlorobenze	140868	70434	281736	147726	4.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.38
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.07
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055009
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55009
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.3	108.57	82-122
$ 49 Toluene-d8	50.0	54.1	108.29	80-120
$ 70 4-Bromofluorobenze	50.0	50.0	99.99	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

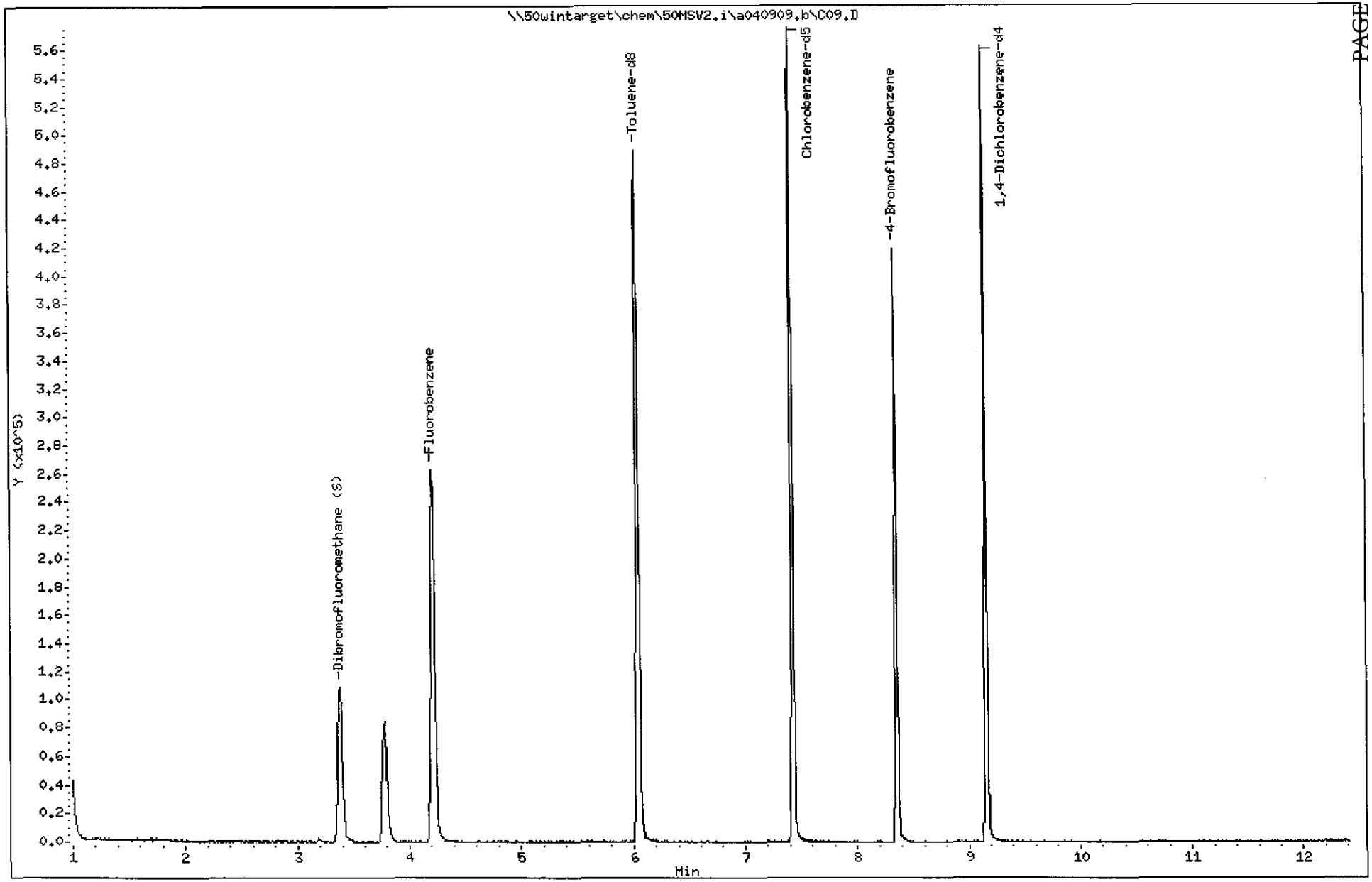
Client Name:
Lab Smp Id: 5025055009
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55009
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	54.3	
2037-26-5	Toluene-d8	54.1	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C09.D
Date : 10-APR-2009 04:26
Client ID: 55009
Sample Info: 5025055009
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C10.D
Lab Smp Id: 5025055010 Client Smp ID: 55010
Inj Date : 10-APR-2009 05:00
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055010
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 63
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)
$ 32 Dibromofluoromethane (S)	113	3.374	3.362	(0.802)	106838	53.9513	54.0
* 40 Fluorobenzene	96	4.206	4.194	(1.000)	382470	50.0000	
$ 49 Toluene-d8	98	6.041	6.034	(0.814)	346053	54.8485	54.8
* 59 Chlorobenzene-d5	117	7.421	7.419	(1.000)	319973	50.0000	
$ 70 4-Bromofluorobenzene	95	8.352	8.349	(1.125)	124117	50.0500	50.0
* 82 1,4-Dichlorobenzene-d4	152	9.153	9.150	(1.000)	143883	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C10.D
Lab Smp Id: 5025055010
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55010
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	382470	22.77
59 Chlorobenzene-d5	282684	141342	565368	319973	13.19
82 1,4-Dichlorobenze	140868	70434	281736	143883	2.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.30
59 Chlorobenzene-d5	7.42	6.92	7.92	7.42	0.03
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.15	0.03

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055010
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55010
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.0	107.90	82-122
$ 49 Toluene-d8	50.0	54.8	109.70	80-120
$ 70 4-Bromofluorobenze	50.0	50.0	100.10	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

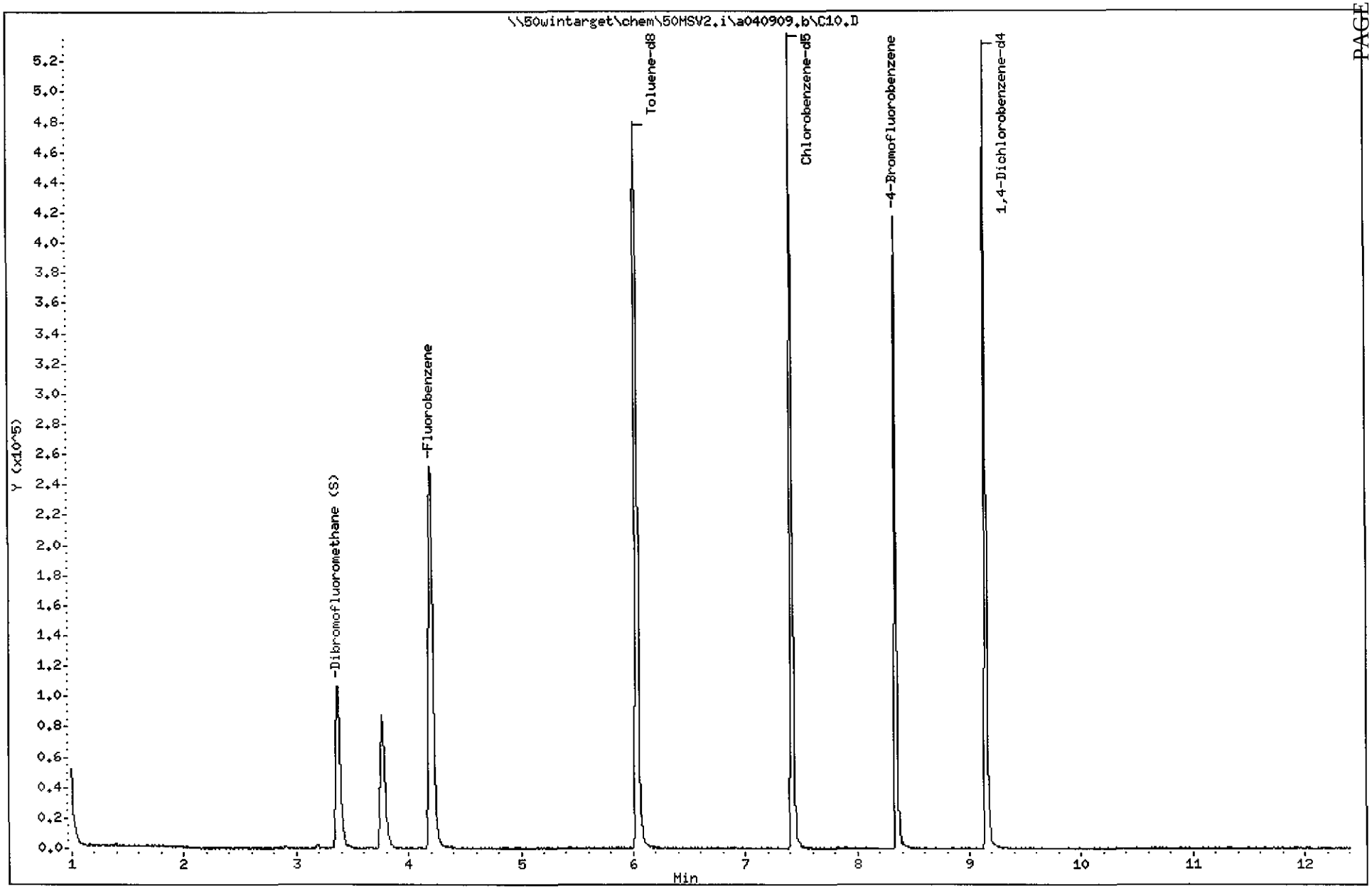
Client Name:
Lab Smp Id: 5025055010
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	54.0	
2037-26-5	Toluene-d8	54.8	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C10.D
Date : 10-APR-2009 05:00
Client ID: 55010
Sample Info: 5025055010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C13.D
Lab Smp Id: 5025055011 Client Smp ID: 55011
Inj Date : 10-APR-2009 06:41
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055011
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 69
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)
$ 32 Dibromofluoromethane (S)	113	3.376	3.362	(0.801)	104354	53.8427	53.8
* 40 Fluorobenzene	96	4.213	4.194	(1.000)	374331	50.0000	
143 2,2,4-Trimethylpentane	57	3.981	3.961	(0.945)	1358	3.06233	3.06
$ 49 Toluene-d8	98	6.043	6.034	(0.814)	337663	54.2469	54.2
* 59 Chlorobenzene-d5	117	7.428	7.419	(1.000)	315678	50.0000	
$ 70 4-Bromofluorobenzene	95	8.353	8.349	(1.125)	122353	50.0100	50.0
77 1,3,5-Trimethylbenzene	105	8.674	8.665	(0.947)	1156	1.11422	1.11
79 1,2,4-Trimethylbenzene	105	8.932	8.918	(0.975)	1671	1.83565	1.84
* 82 1,4-Dichlorobenzene-d4	152	9.159	9.150	(1.000)	140404	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C13.D
Lab Smp Id: 5025055011
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55011
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	374331	20.16
59 Chlorobenzene-d5	282684	141342	565368	315678	11.67
82 1,4-Dichlorobenze	140868	70434	281736	140404	-0.33

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.46
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.12
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055011
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55011
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.69	82-122
$ 49 Toluene-d8	50.0	54.2	108.49	80-120
$ 70 4-Bromofluorobenze	50.0	50.0	100.02	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

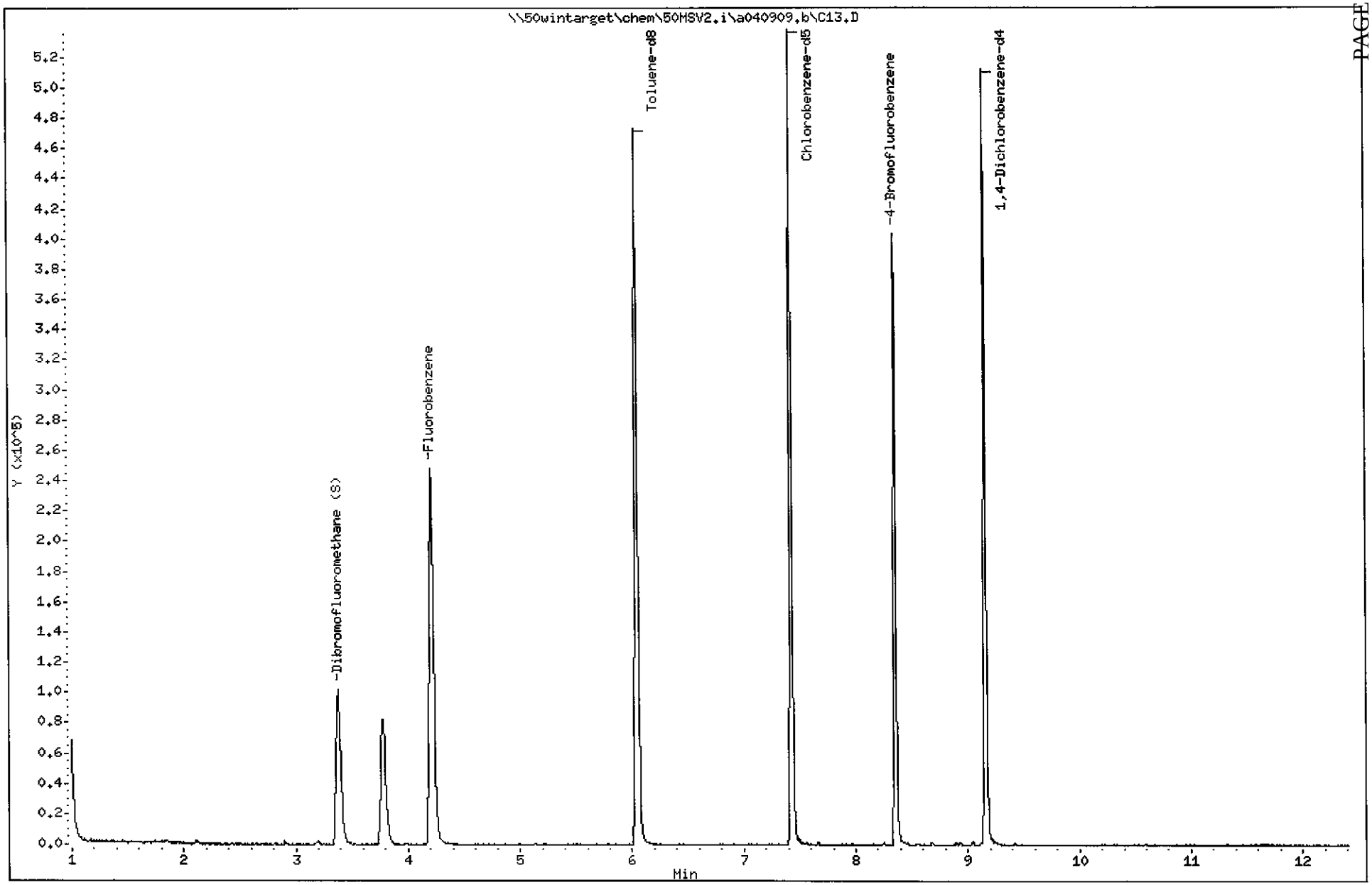
Client Name:
Lab Smp Id: 5025055011
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55011
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
540-84-1	2,2,4-Trimethylpentane	3.06	
108-67-8	1,3,5-Trimethylbenzene	1.11	
95-63-6	1,2,4-Trimethylbenzene	1.84	
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	54.2	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C13.D
Date : 10-APR-2009 06:41
Client ID: 55011
Sample Info: 5025055011
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C14.D
Lab Smp Id: 5025055012 Client Smp ID: 55012
Inj Date : 10-APR-2009 07:15
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055012
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 71
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)
15 Methylene Chloride	84	1.977	1.956	(0.469)	1391	1.69891	1.70
$ 32 Dibromofluoromethane (S)	113	3.383	3.362	(0.803)	103535	52.9395	52.9
* 40 Fluorobenzene	96	4.215	4.194	(1.000)	377730	50.0000	
$ 49 Toluene-d8	98	6.045	6.034	(0.814)	341711	54.5829	54.6
50 Toluene	91	6.117	6.101	(0.823)	2067	0.23981	0.240
* 59 Chlorobenzene-d5	117	7.430	7.419	(1.000)	317496	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.349	(1.125)	126572	51.4382	51.4
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	141733	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C14.D
Lab Smp Id: 5025055012
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55012
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	377730	21.25
59 Chlorobenzene-d5	282684	141342	565368	317496	12.31
82 1,4-Dichlorobenze	140868	70434	281736	141733	0.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.51
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.15
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055012
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55012
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.9	105.88	82-122
$ 49 Toluene-d8	50.0	54.6	109.17	80-120
$ 70 4-Bromofluorobenze	50.0	51.4	102.88	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

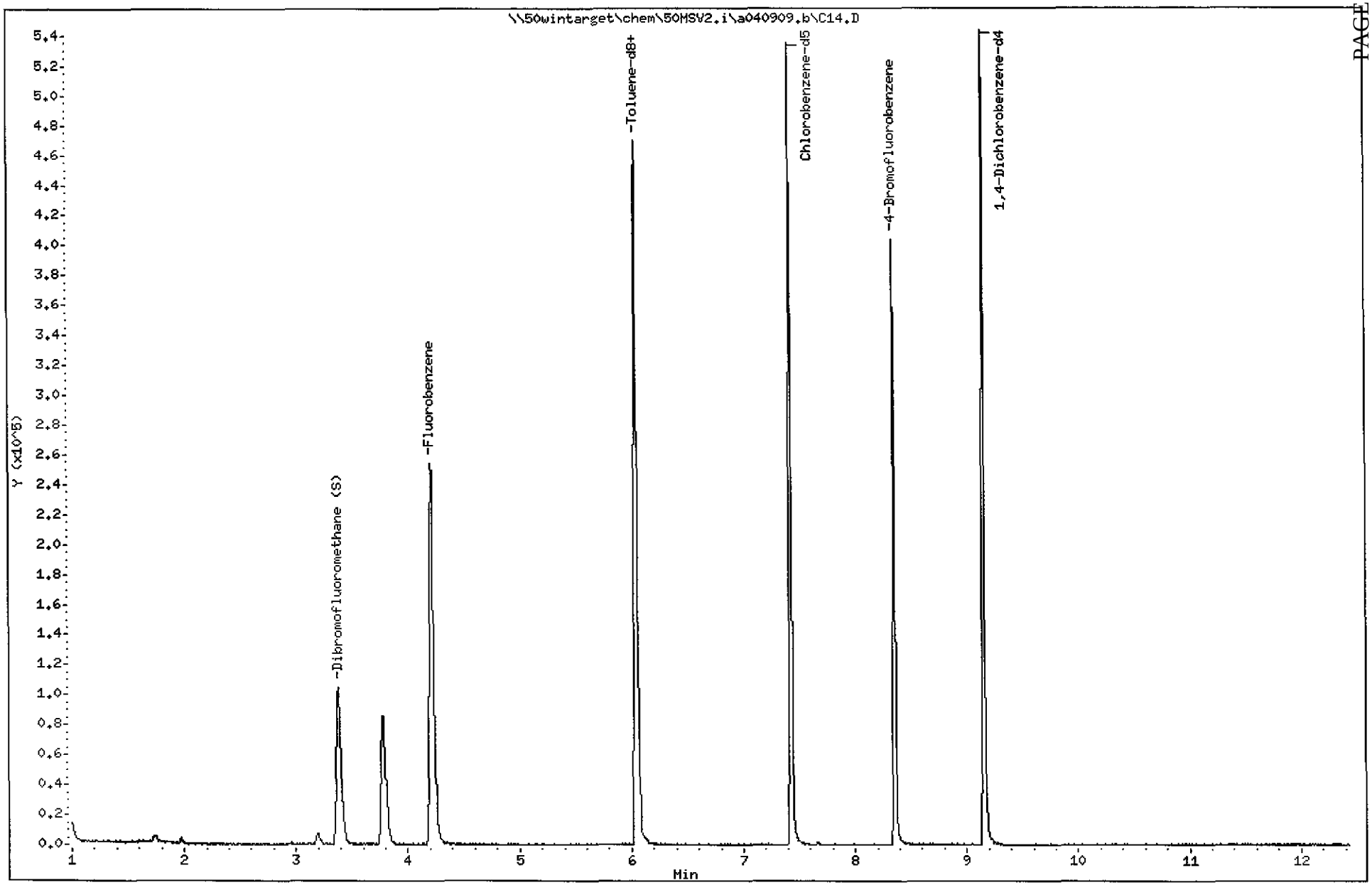
Client Name:
Lab Smp Id: 5025055012
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55012
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-09-2	Methylene Chloride	1.70	
108-88-3	Toluene	0.240	
1868-53-7	Dibromofluoromethane (S)	52.9	
2037-26-5	Toluene-d8	54.6	
460-00-4	4-Bromofluorobenzene	51.4	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C14.D
Date : 10-APR-2009 07:15
Client ID: 55012
Sample Info: 5025055012
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C15.D
Lab Smp Id: 5025055013 Client Smp ID: 55013
Inj Date : 10-APR-2009 07:48
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055013
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 73
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)
$ 32 Dibromofluoromethane (S)	113	3.378	3.362	(0.803)	104797	52.5700	52.6
* 40 Fluorobenzene	96	4.205	4.194	(1.000)	385021	50.0000	
$ 49 Toluene-d8	98	6.040	6.034	(0.813)	347527	54.7361	54.7
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	321996	50.0000	
$ 70 4-Bromofluorobenzene	95	8.350	8.349	(1.125)	126047	50.5090	50.5
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	143000	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C15.D
Lab Smp Id: 5025055013
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55013
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	385021	23.59
59 Chlorobenzene-d5	282684	141342	565368	321996	13.91
82 1,4-Dichlorobenze	140868	70434	281736	143000	1.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.27
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055013
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55013
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.6	105.14	82-122
$ 49 Toluene-d8	50.0	54.7	109.47	80-120
$ 70 4-Bromofluorobenze	50.0	50.5	101.02	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

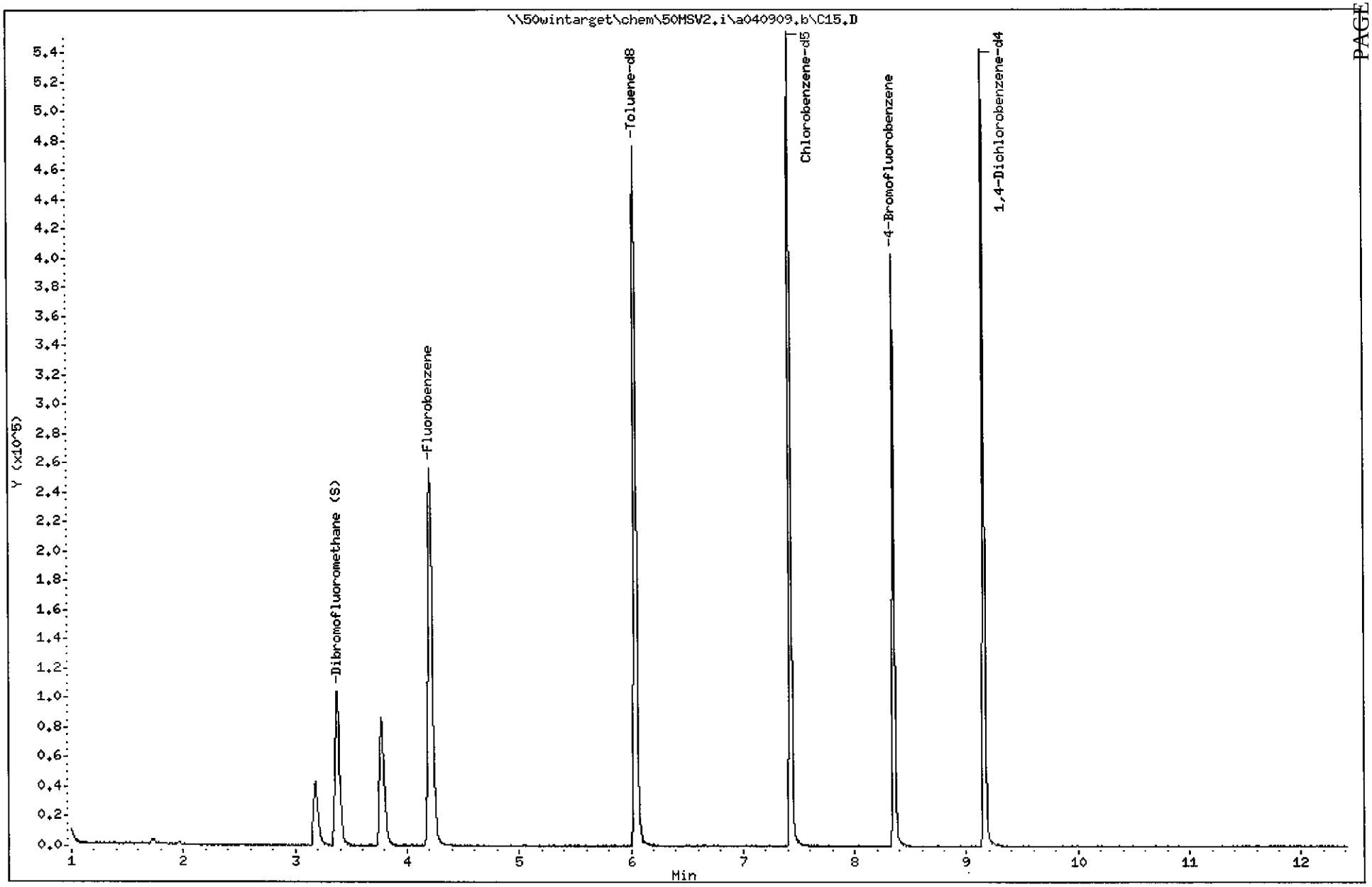
Client Name:
Lab Smp Id: 5025055013
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55013
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	52.6	
2037-26-5	Toluene-d8	54.7	
460-00-4	4-Bromofluorobenzene	50.5	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C15.D
Date : 10-APR-2009 07:48
Client ID: 55013
Sample Info: 5025055013
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C20.D
Lab Smp Id: 5025055014 Client Smp ID: 55014
Inj Date : 10-APR-2009 10:38
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055014
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 83
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)
$ 32 Dibromofluoromethane (S)	113	3.383	3.362	(0.802)	105267	53.3875	53.4
* 40 Fluorobenzene	96	4.220	4.194	(1.000)	380826	50.0000	
$ 49 Toluene-d8	98	6.050	6.034	(0.814)	348597	54.7026	54.7
* 59 Chlorobenzene-d5	117	7.430	7.419	(1.000)	323185	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.349	(1.125)	126368	50.4513	50.4
* 82 1,4-Dichlorobenzene-d4	152	9.162	9.150	(1.000)	142133	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C20.D
Lab Smp Id: 5025055014
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55014
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	380826	22.24
59 Chlorobenzene-d5	282684	141342	565368	323185	14.33
82 1,4-Dichlorobenze	140868	70434	281736	142133	0.90

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.64
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.15
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055014
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55014
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.4	106.77	82-122
$ 49 Toluene-d8	50.0	54.7	109.41	80-120
$ 70 4-Bromofluorobenze	50.0	50.4	100.90	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

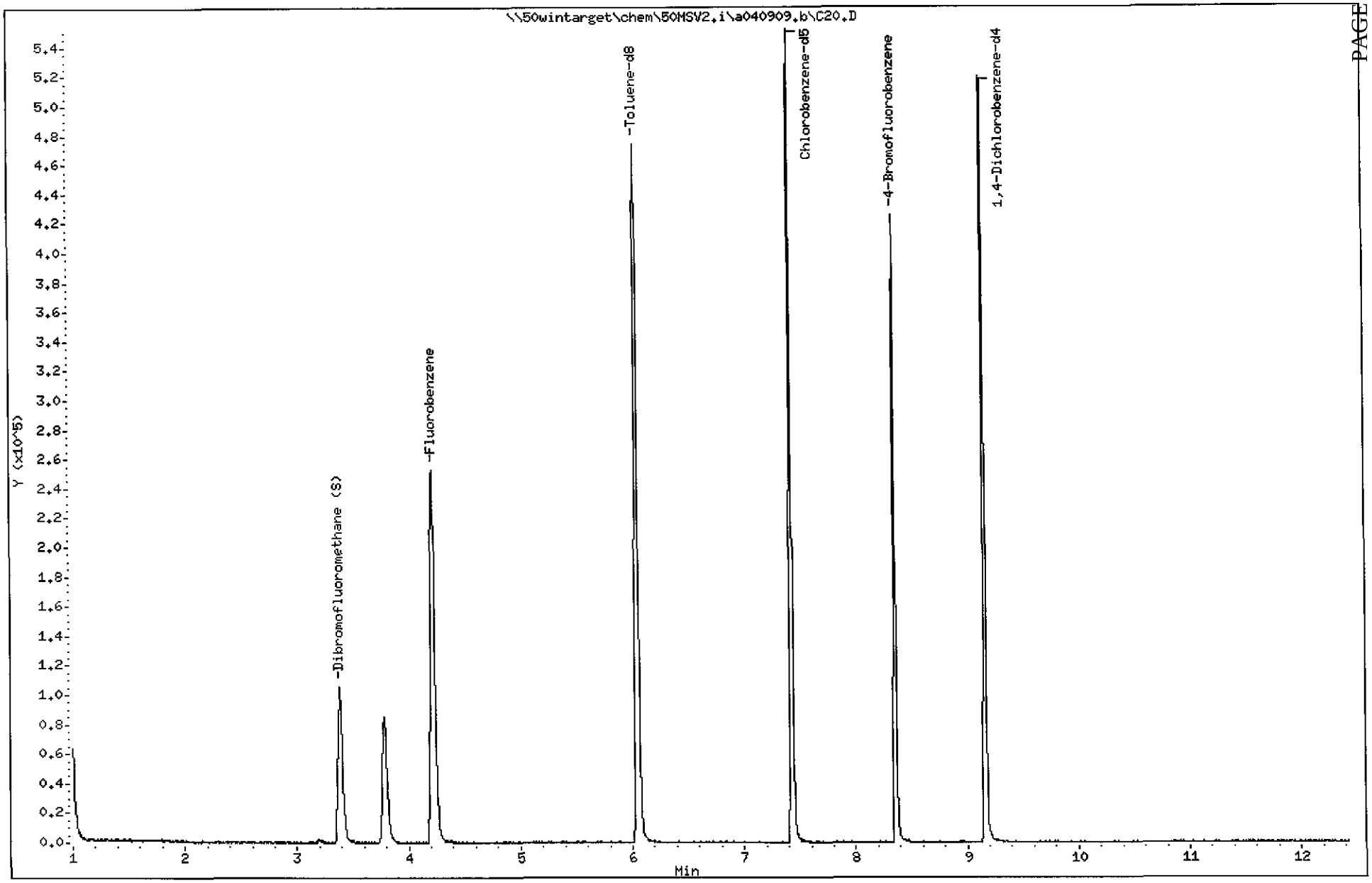
Client Name:
Lab Smp Id: 5025055014
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.4	
2037-26-5	Toluene-d8	54.7	
460-00-4	4-Bromofluorobenzene	50.4	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C20.D
Date : 10-APR-2009 10:38
Client ID: 55014
Sample Info: 5025055014
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A07.D
Lab Smp Id: 5025055015 Client Smp ID: 55015
Inj Date : 10-APR-2009 16:05
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055015
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 15
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)
$ 32 Dibromofluoromethane (S)	113	3.372	3.359	(0.801)	104201	53.5626	53.6
* 40 Fluorobenzene	96	4.210	4.191	(1.000)	375737	50.0000	
$ 49 Toluene-d8	98	6.045	6.026	(0.814)	343052	54.7946	54.8
* 59 Chlorobenzene-d5	117	7.430	7.411	(1.000)	317510	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.341	(1.125)	125050	50.8174	50.8
* 82 1,4-Dichlorobenzene-d4	152	9.161	9.147	(1.000)	136440	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A07.D
Lab Smp Id: 5025055015
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: 55015
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	375737	20.61
59 Chlorobenzene-d5	282684	141342	565368	317510	12.32
82 1,4-Dichlorobenze	140868	70434	281736	136440	-3.14

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.45
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.26
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055015
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: 55015
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.6	107.13	82-122
$ 49 Toluene-d8	50.0	54.8	109.59	80-120
$ 70 4-Bromofluorobenze	50.0	50.8	101.63	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

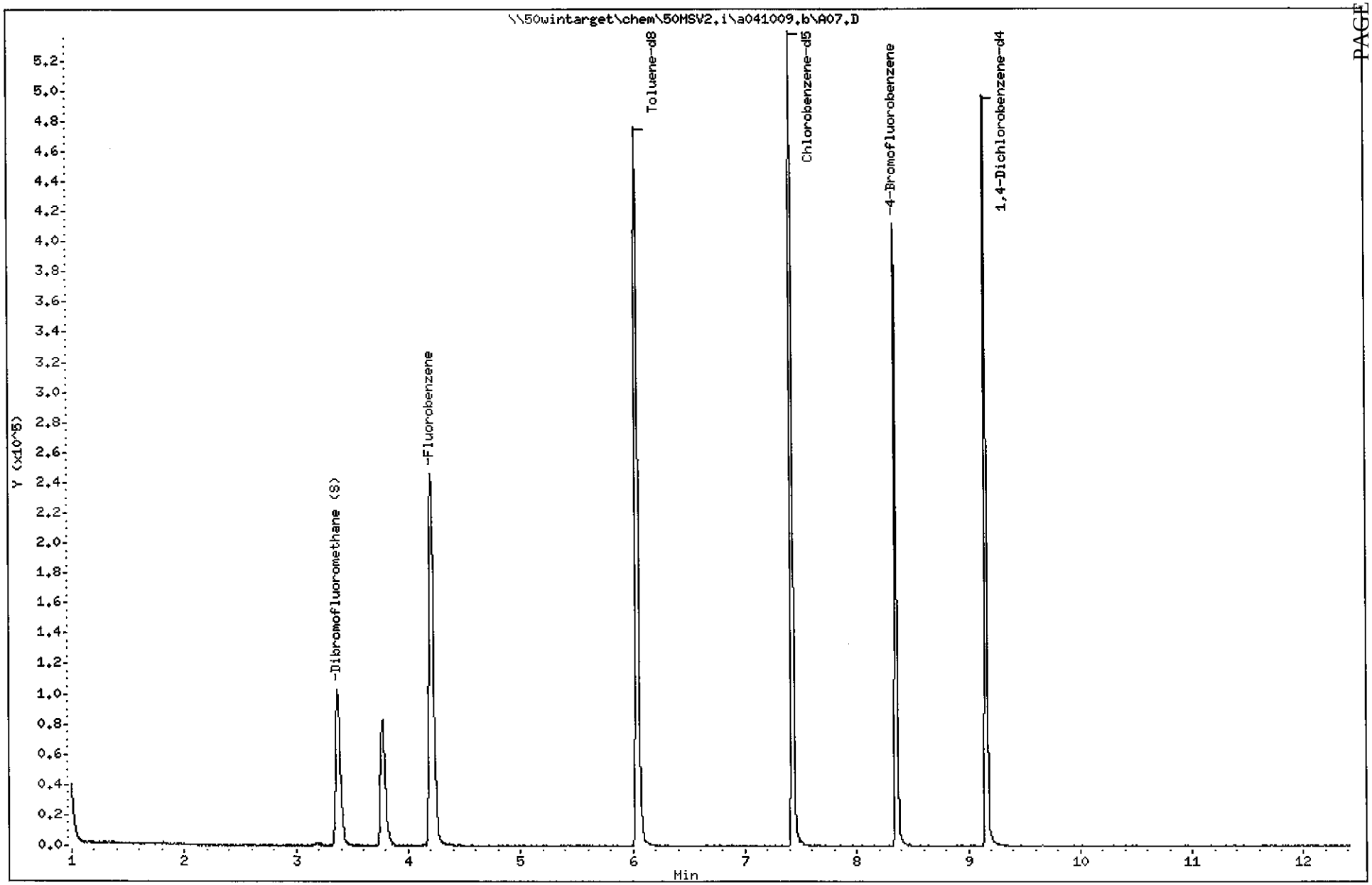
Client Name:
Lab Smp Id: 5025055015
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: 55015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.6	
2037-26-5	Toluene-d8	54.8	
460-00-4	4-Bromofluorobenzene	50.8	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A07.D
Date : 10-APR-2009 16:05
Client ID: 55015
Sample Info: 5025055015
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C16.D
Lab Smp Id: 5025055016 Client Smp ID: 55016
Inj Date : 10-APR-2009 08:22
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055016
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 75
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)
$ 32 Dibromofluoromethane (S)	113	3.388	3.362	(0.803)	101976	52.9456	52.9
* 40 Fluorobenzene	96	4.220	4.194	(1.000)	371999	50.0000	
$ 49 Toluene-d8	98	6.045	6.034	(0.814)	336681	54.6586	54.6
* 59 Chlorobenzene-d5	117	7.430	7.419	(1.000)	312389	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.349	(1.125)	121579	50.2168	50.2
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	141674	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C16.D
Lab Smp Id: 5025055016
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55016
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	371999	19.41
59 Chlorobenzene-d5	282684	141342	565368	312389	10.51
82 1,4-Dichlorobenze	140868	70434	281736	141674	0.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.63
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.15
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055016
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55016
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.9	105.89	82-122
$ 49 Toluene-d8	50.0	54.6	109.32	80-120
$ 70 4-Bromofluorobenze	50.0	50.2	100.43	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025055016
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55016
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	52.9	
2037-26-5	Toluene-d8	54.6	
460-00-4	4-Bromofluorobenzene	50.2	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C16.D

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Date : 10-APR-2009 08:22

Client ID: 55016

Instrument: 50MSV2.i

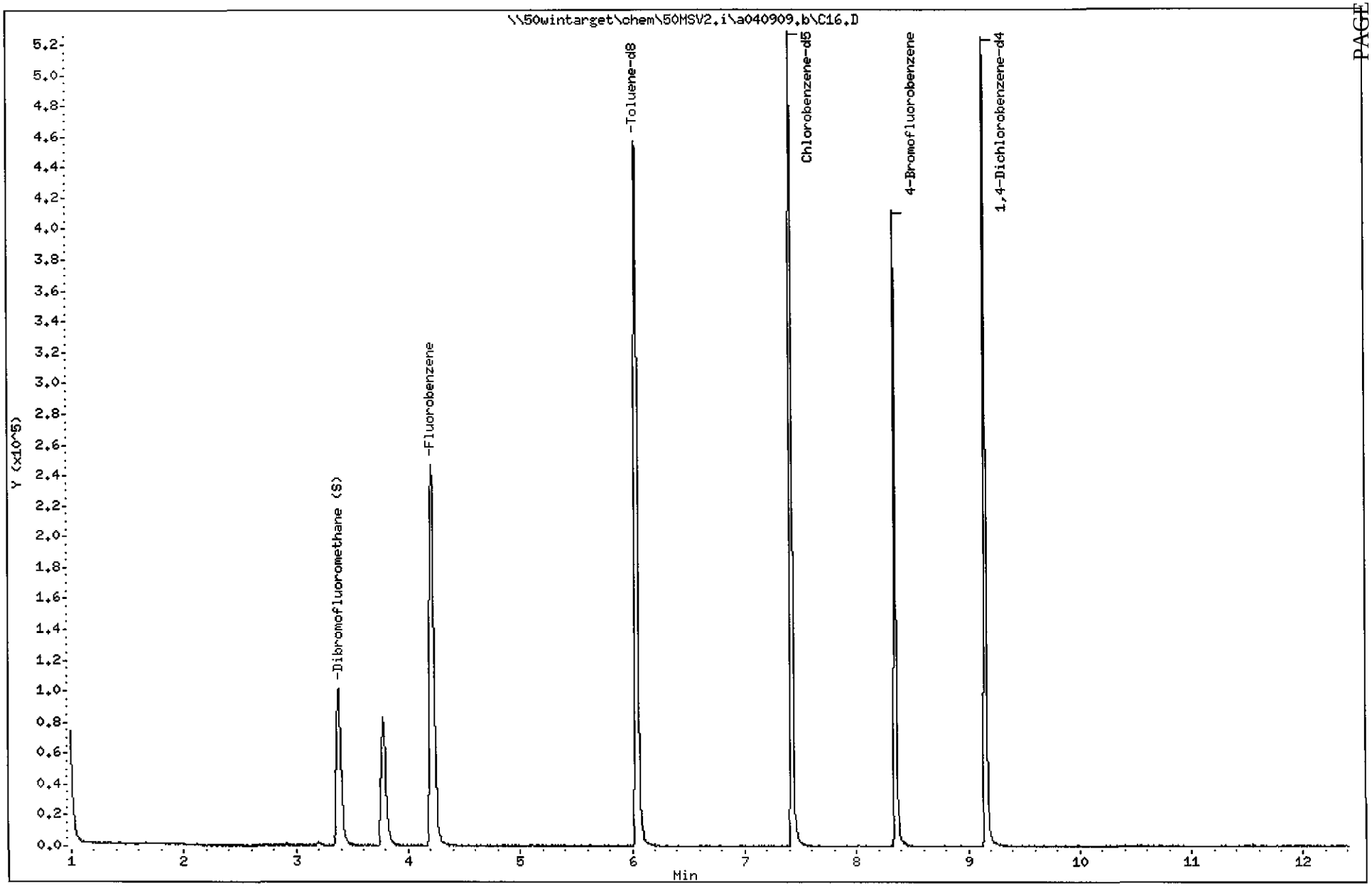
Sample Info: 5025055016

Purge Volume: 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C17.D
Lab Smp Id: 5025055017 Client Smp ID: 55017
Inj Date : 10-APR-2009 08:56
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055017
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 77
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)
$ 32 Dibromofluoromethane (S)	113	3.367	3.362	(0.800)	108802	53.7813	53.8
* 40 Fluorobenzene	96	4.210	4.194	(1.000)	390732	50.0000	
$ 49 Toluene-d8	98	6.040	6.034	(0.813)	352291	54.4870	54.5
* 59 Chlorobenzene-d5	117	7.425	7.419	(1.000)	327902	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.349	(1.125)	127693	50.2469	50.2
* 82 1,4-Dichlorobenzene-d4	152	9.156	9.150	(1.000)	142641	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C17.D
Lab Smp Id: 5025055017
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55017
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	390732	25.42
59 Chlorobenzene-d5	282684	141342	565368	327902	16.00
82 1,4-Dichlorobenze	140868	70434	281736	142641	1.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.38
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.08
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055017
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55017
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.56	82-122
$ 49 Toluene-d8	50.0	54.5	108.97	80-120
$ 70 4-Bromofluorobenze	50.0	50.2	100.49	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

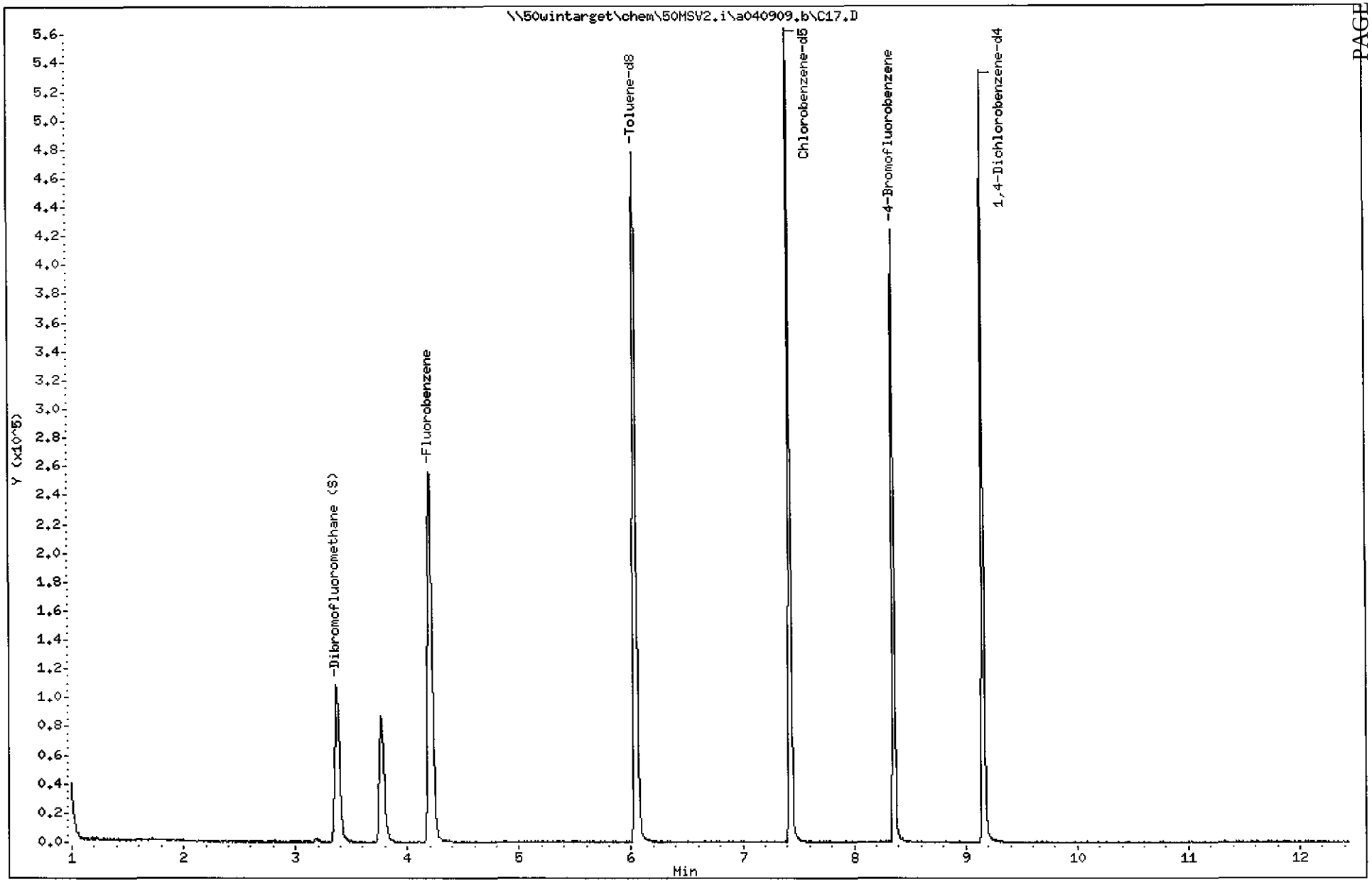
Client Name:
Lab Smp Id: 5025055017
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55017
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	54.5	
460-00-4	4-Bromofluorobenzene	50.2	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C17.D
Date : 10-APR-2009 08:56
Client ID: 55017
Sample Info: 5025055017
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A08.D
Lab Smp Id: 5025055018 Client Smp ID: 55018
Inj Date : 10-APR-2009 16:38
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055018
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 17
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)
25 1,2-Dichloroethene (cis)	96	2.913	2.878	(0.690)	2418	0.99097	0.991
$ 32 Dibromofluoromethane (S)	113	3.389	3.359	(0.803)	103802	54.0050	54.0
* 40 Fluorobenzene	96	4.221	4.191	(1.000)	371232	50.0000	
$ 49 Toluene-d8	98	6.045	6.026	(0.814)	340236	54.3320	54.3
* 59 Chlorobenzene-d5	117	7.430	7.411	(1.000)	317585	50.0000	
$ 70 4-Bromofluorobenzene	95	8.356	8.341	(1.125)	122374	49.7182	49.7
* 82 1,4-Dichlorobenzene-d4	152	9.162	9.147	(1.000)	140225	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A08.D
Lab Smp Id: 5025055018
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: 55018
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	371232	19.16
59 Chlorobenzene-d5	282684	141342	565368	317585	12.35
82 1,4-Dichlorobenze	140868	70434	281736	140225	-0.46

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.72
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.27
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.16

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055018
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: 55018
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.0	108.01	82-122
$ 49 Toluene-d8	50.0	54.3	108.66	80-120
$ 70 4-Bromofluorobenze	50.0	49.7	99.44	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

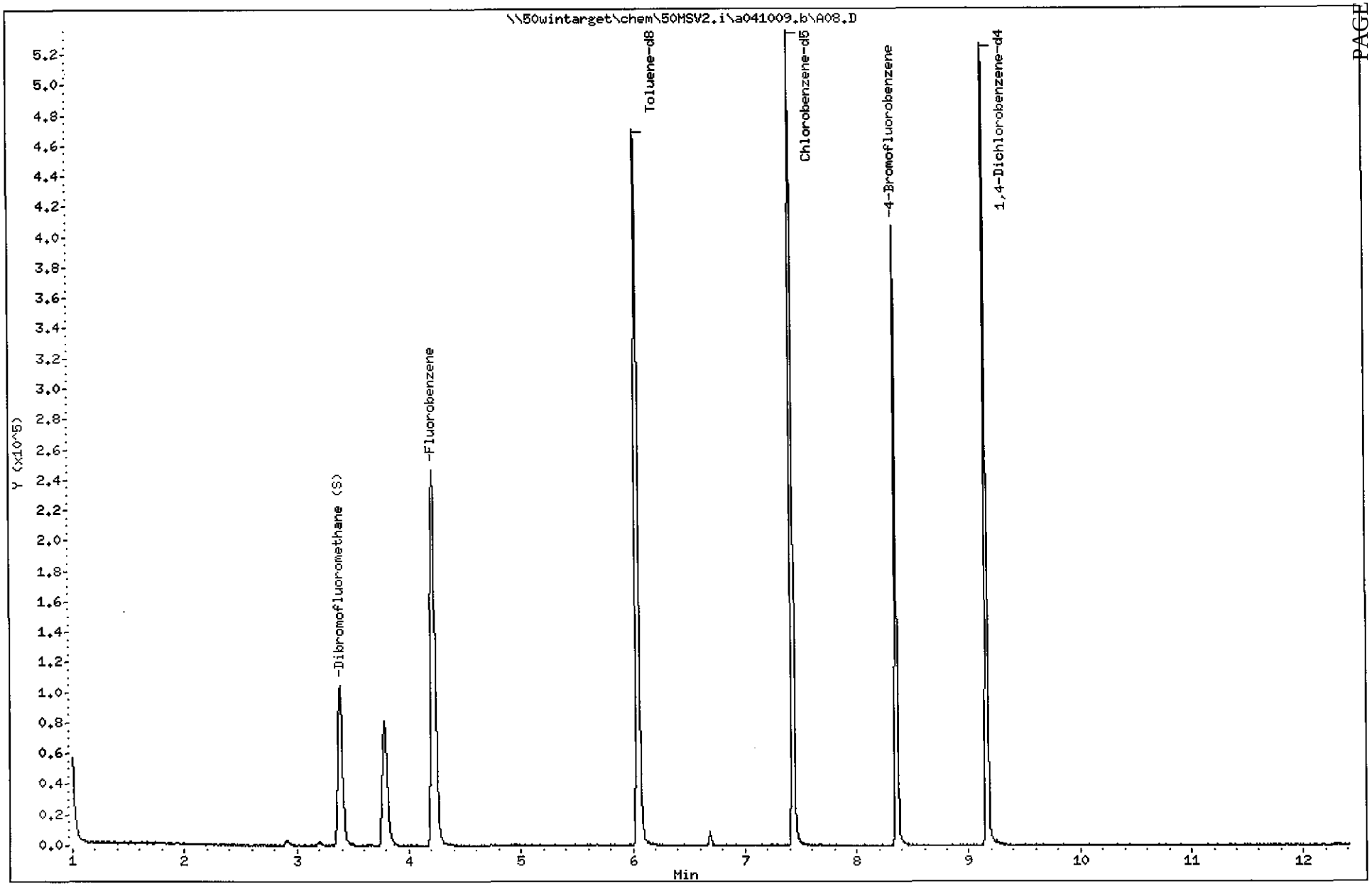
Client Name:
Lab Smp Id: 5025055018
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: 55018
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	0.991	
1868-53-7	Dibromofluoromethane (S)	54.0	
2037-26-5	Toluene-d8	54.3	
460-00-4	4-Bromofluorobenzene	49.7	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A08.D
Date : 10-APR-2009 16:38
Client ID: 55018
Sample Info: 5025055018
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A09.D
Lab Smp Id: 5025055019 Client Smp ID: 55019
Inj Date : 10-APR-2009 17:12
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055019
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 19
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)
$ 32 Dibromofluoromethane (S)	113	3.378	3.359	(0.802)	101374	53.0002	53.0
* 40 Fluorobenzene	96	4.210	4.191	(1.000)	369422	50.0000	
$ 49 Toluene-d8	98	6.045	6.026	(0.814)	334589	54.7409	54.7
* 59 Chlorobenzene-d5	117	7.430	7.411	(1.000)	309981	50.0000	
$ 70 4-Bromofluorobenzene	95	8.355	8.341	(1.125)	119137	49.5904	49.6
* 82 1,4-Dichlorobenzene-d4	152	9.157	9.147	(1.000)	129063	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A09.D
Lab Smp Id: 5025055019
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: 55019
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	369422	18.58
59 Chlorobenzene-d5	282684	141342	565368	309981	9.66
82 1,4-Dichlorobenze	140868	70434	281736	129063	-8.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.47
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.26
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.10

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055019
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: 55019
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.0	106.00	82-122
$ 49 Toluene-d8	50.0	54.7	109.48	80-120
$ 70 4-Bromofluorobenze	50.0	49.6	99.18	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

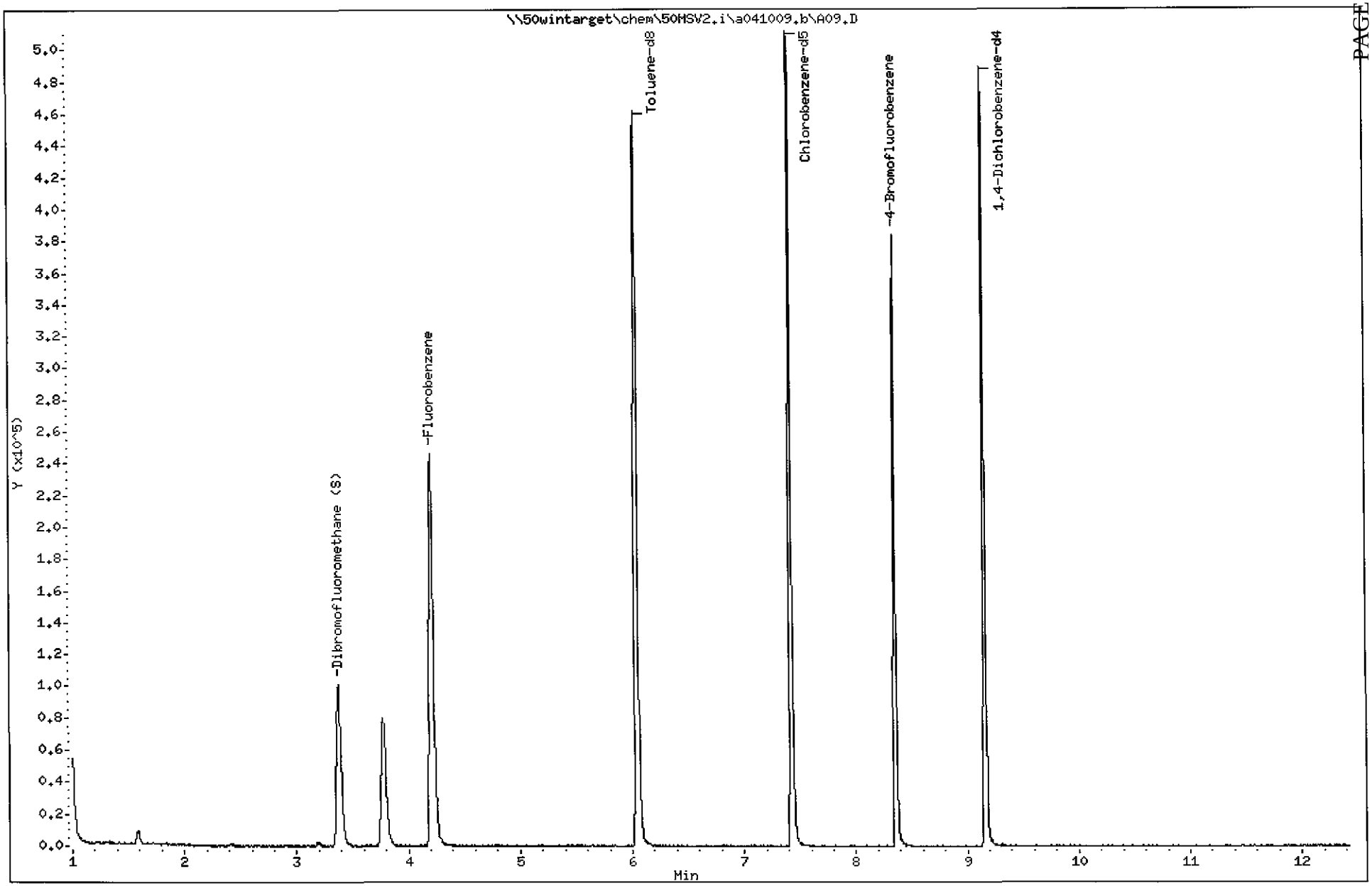
Client Name:
Lab Smp Id: 5025055019
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: 55019
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.0	
2037-26-5	Toluene-d8	54.7	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A09.D
Date : 10-APR-2009 17:12
Client ID: 55019
Sample Info: 5025055019
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C18.D
Lab Smp Id: 5025055020 Client Smp ID: 55020
Inj Date : 10-APR-2009 09:30
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055020
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 79
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)
$ 32 Dibromofluoromethane (S)	113	3.384	3.362	(0.803)	103587	52.6469	52.6
* 40 Fluorobenzene	96	4.216	4.194	(1.000)	380020	50.0000	
$ 49 Toluene-d8	98	6.046	6.034	(0.814)	339645	54.1260	54.1
* 59 Chlorobenzene-d5	117	7.431	7.419	(1.000)	318240	50.0000	
$ 70 4-Bromofluorobenzene	95	8.356	8.349	(1.124)	119755	48.5540	48.6
* 82 1,4-Dichlorobenzene-d4	152	9.157	9.150	(1.000)	135518	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C18.D
Lab Smp Id: 5025055020
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55020
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	380020	21.98
59 Chlorobenzene-d5	282684	141342	565368	318240	12.58
82 1,4-Dichlorobenze	140868	70434	281736	135518	-3.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.22	0.53
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.16
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055020
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55020
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.6	105.29	82-122
$ 49 Toluene-d8	50.0	54.1	108.25	80-120
$ 70 4-Bromofluorobenze	50.0	48.6	97.11	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025055020
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55020
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	52.6	
2037-26-5	Toluene-d8	54.1	
460-00-4	4-Bromofluorobenzene	48.6	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C18.D

Date : 10-APR-2009 09:30

Client ID: 55020

Instrument: 50MSV2.i

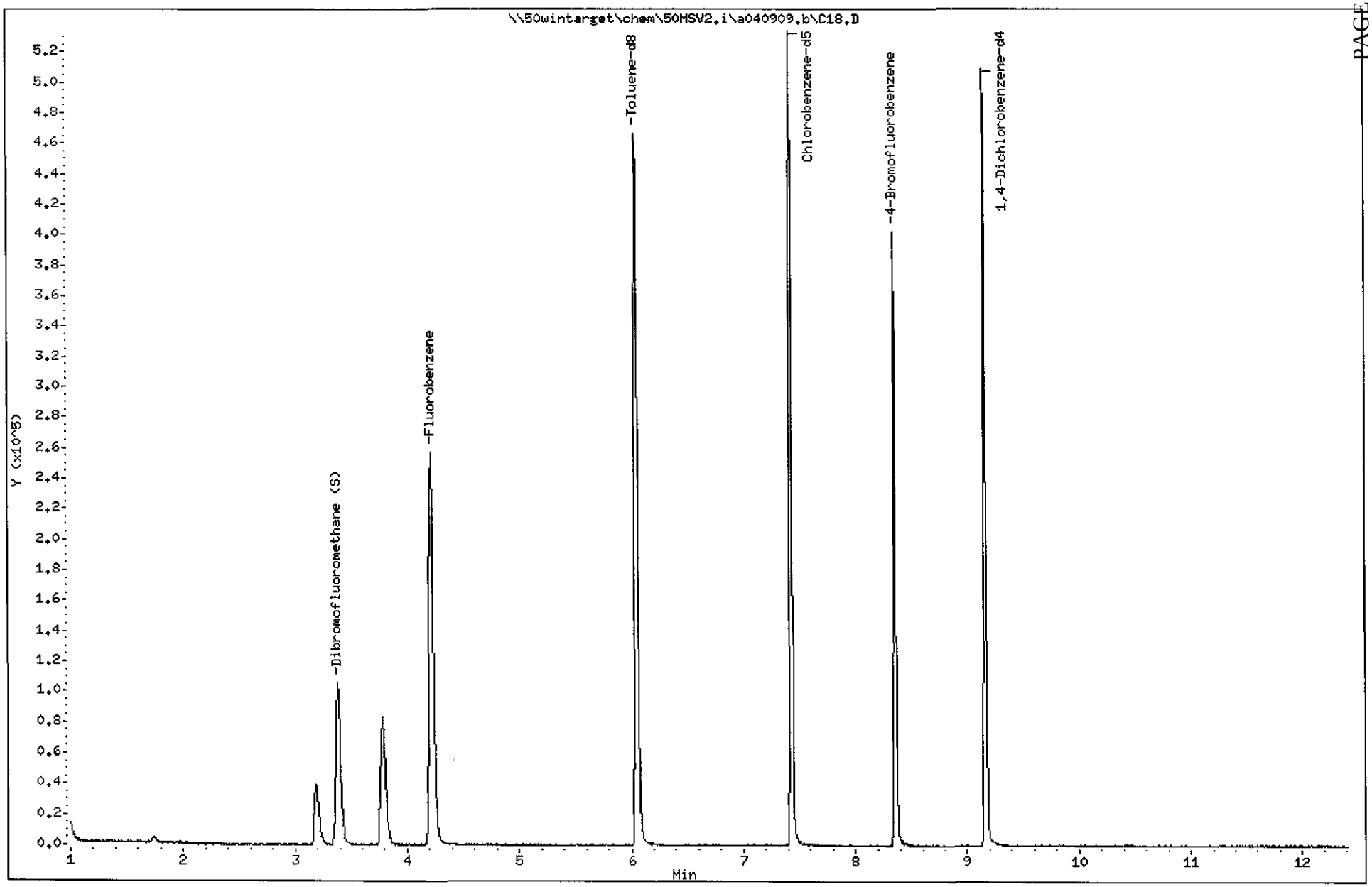
Sample Info: 5025055020

Purge Volume: 5.0

Operator: amv

Column phase: DB-624

Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a041009.b\A10.D
Lab Smp Id: 5025055021 Client Smp ID: 55021
Inj Date : 10-APR-2009 17:46
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055021
Misc Info : 15587
Comment :
Method : \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:26 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 21
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)
$ 32 Dibromofluoromethane (S)	113	3.379	3.359	(0.802)	104602	53.4814	53.5
* 40 Fluorobenzene	96	4.211	4.191	(1.000)	377756	50.0000	
41 Trichloroethene	95	4.681	4.640	(1.112)	2607	4.00892	4.01
$ 49 Toluene-d8	98	6.046	6.026	(0.814)	343468	54.0012	54.0
* 59 Chlorobenzene-d5	117	7.426	7.411	(1.000)	322566	50.0000	
$ 70 4-Bromofluorobenzene	95	8.356	8.341	(1.125)	124138	49.6561	49.6
* 82 1,4-Dichlorobenzene-d4	152	9.157	9.147	(1.000)	141738	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: A10.D
Lab Smp Id: 5025055021
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Calibration Date: 11-APR-2009
Calibration Time: 01:06
Client Smp ID: 55021
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	377756	21.25
59 Chlorobenzene-d5	282684	141342	565368	322566	14.11
82 1,4-Dichlorobenze	140868	70434	281736	141738	0.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.48
59 Chlorobenzene-d5	7.41	6.91	7.91	7.43	0.20
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055021
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a041009.b\-8260-c1.m
Misc Info: 15587

Client SDG: a041009.b
Fraction: VOA
Client Smp ID: 55021
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.5	106.96	82-122
$ 49 Toluene-d8	50.0	54.0	108.00	80-120
$ 70 4-Bromofluorobenze	50.0	49.6	99.31	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

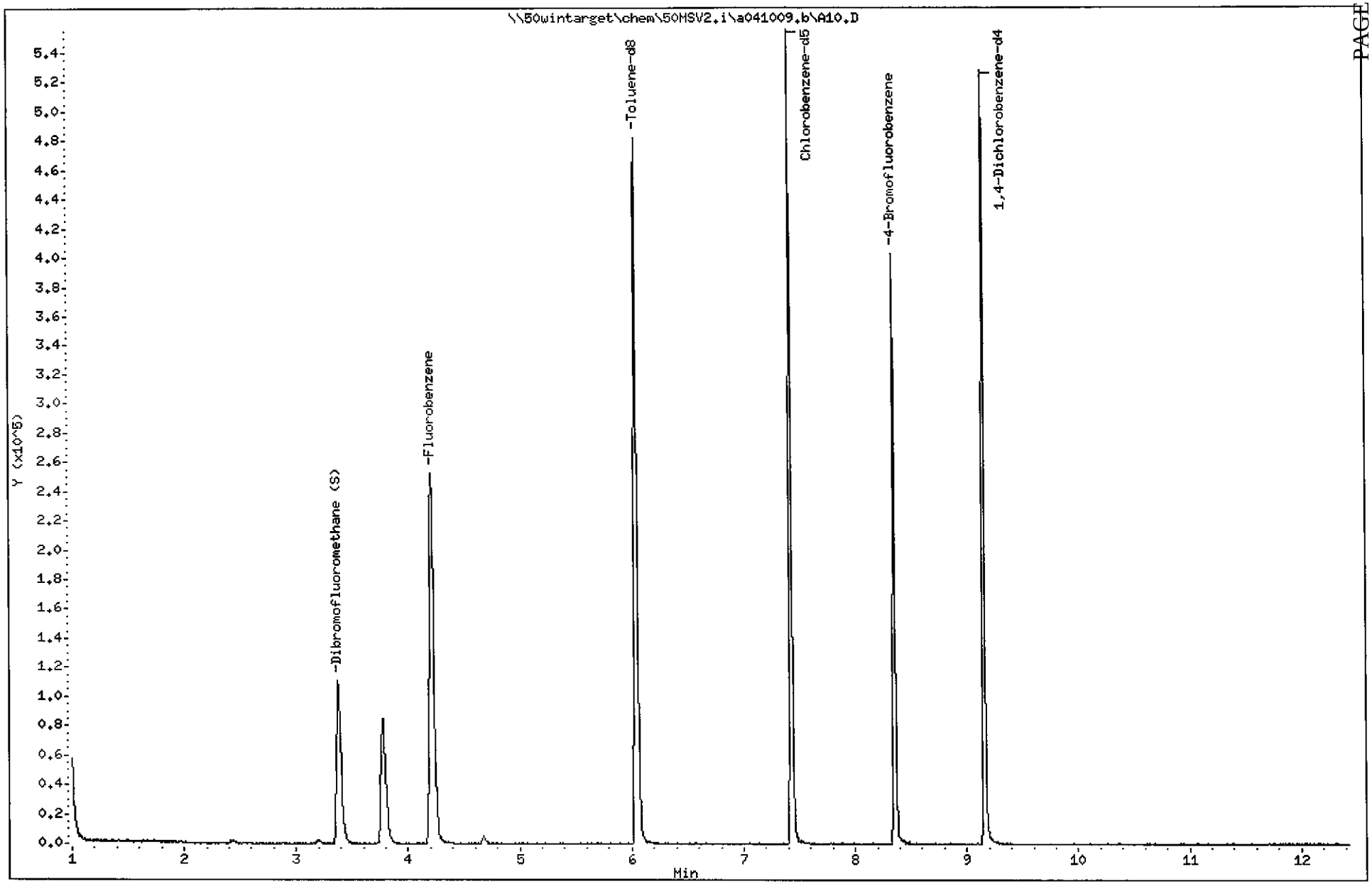
Client Name:
Lab Smp Id: 5025055021
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15587

Client SDG: a041009.b
Client Smp ID: 55021
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	4.01	
1868-53-7	Dibromofluoromethane (S)	53.5	
2037-26-5	Toluene-d8	54.0	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50wintarget\chem\50MSV2.i\a041009.b\A10.D
Date : 10-APR-2009 17:46
Client ID: 55021
Sample Info: 5025055021
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV2.i\a040909.b\C19.D
Lab Smp Id: 5025055022 Client Smp ID: 55022
Inj Date : 10-APR-2009 10:04
Operator : amv Inst ID: 50MSV2.i
Smp Info : 5025055022
Misc Info : 15549
Comment :
Method : \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Meth Date : 22-Apr-2009 10:23 avasquez Quant Type: ISTD
Cal Date : 30-MAR-2009 20:46 Cal File: A05CCV.D
Als bottle: 81
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)
3 Vinyl Chloride	62	1.165	1.160	(0.277)	102007	33.8551	33.8
9 1,1-Dichloroethene	96	1.718	1.703	(0.408)	9906	5.24118	5.24
18 1,2-Dichloroethene (trans)	96	2.142	2.126	(0.508)	9906	6.01659	6.02
21 1,1-Dichloroethane	63	2.426	2.411	(0.576)	19708	4.99125	4.99
25 1,2-Dichloroethene (cis)	96	2.896	2.886	(0.687)	179778	71.9438	71.9
$ 32 Dibromofluoromethane (S)	113	3.382	3.362	(0.803)	104523	53.0998	53.1
* 40 Fluorobenzene	96	4.214	4.194	(1.000)	380183	50.0000	
$ 49 Toluene-d8	98	6.044	6.034	(0.814)	345015	53.7045	53.7
* 59 Chlorobenzene-d5	117	7.429	7.419	(1.000)	325809	50.0000	
$ 70 4-Bromofluorobenzene	95	8.354	8.349	(1.125)	126352	50.0386	50.0
* 82 1,4-Dichlorobenzene-d4	152	9.161	9.150	(1.000)	143482	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV2.i
Lab File ID: C19.D
Lab Smp Id: 5025055022
Analysis Type: VOA
Quant Type: ISTD
Operator: amv
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Calibration Date: 09-APR-2009
Calibration Time: 23:56
Client Smp ID: 55022
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	311539	155770	623078	380183	22.03
59 Chlorobenzene-d5	282684	141342	565368	325809	15.26
82 1,4-Dichlorobenze	140868	70434	281736	143482	1.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.19	3.69	4.69	4.21	0.49
59 Chlorobenzene-d5	7.42	6.92	7.92	7.43	0.14
82 1,4-Dichlorobenze	9.15	8.65	9.65	9.16	0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025055022
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV2.i\a040909.b\-8260-c1.m
Misc Info: 15549

Client SDG: a040909.b
Fraction: VOA
Client Smp ID: 55022
Operator: amv
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.1	106.20	82-122
$ 49 Toluene-d8	50.0	53.7	107.41	80-120
$ 70 4-Bromofluorobenze	50.0	50.0	100.08	73-120

Pace Analytical Services, Inc.

TARGET COMPOUNDS

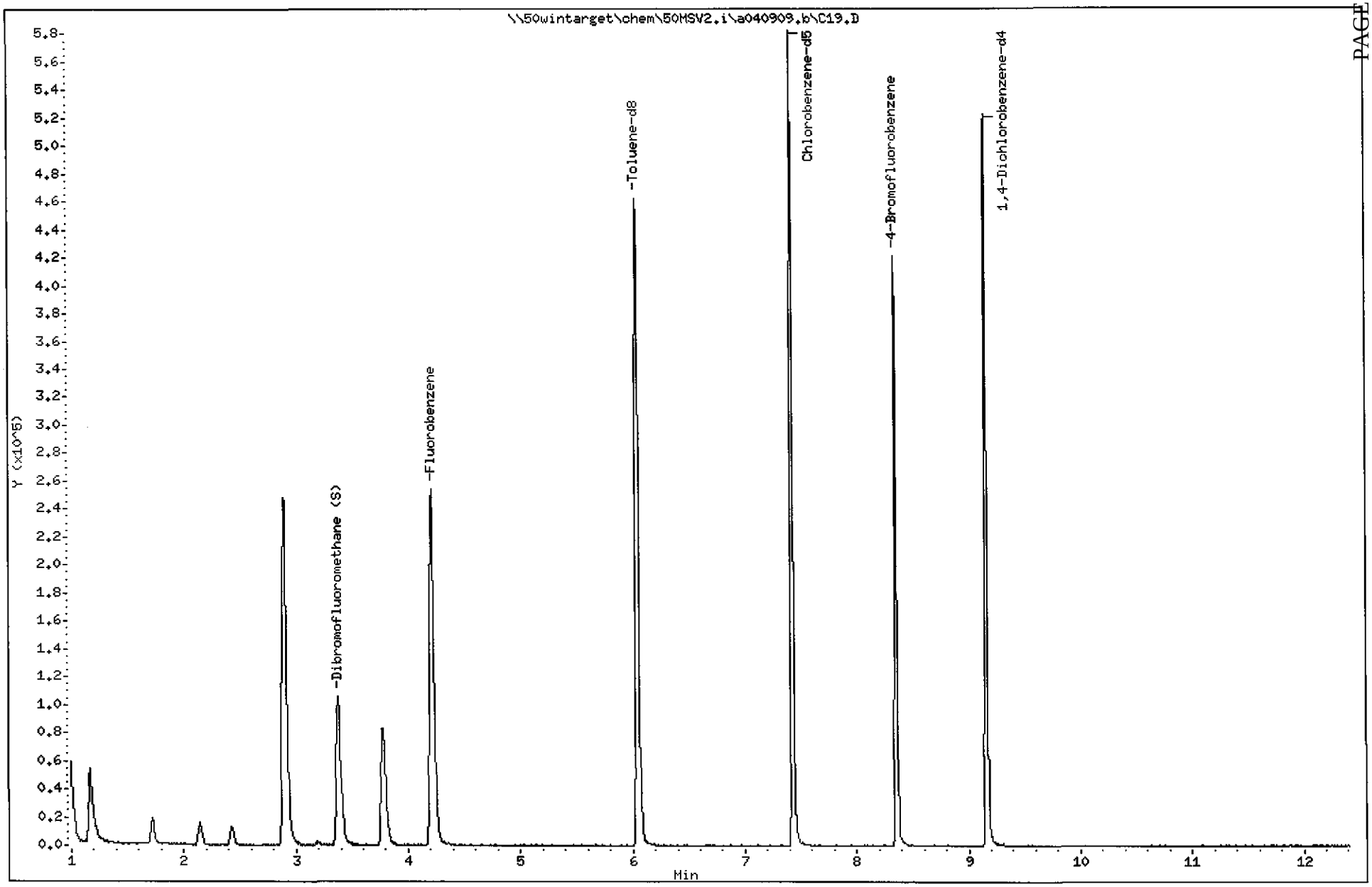
Client Name:
Lab Smp Id: 5025055022
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15549

Client SDG: a040909.b
Client Smp ID: 55022
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: amv

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	33.8	
75-35-4	1,1-Dichloroethene	5.24	
156-60-5	1,2-Dichloroethene (trans)	6.02	
75-34-3	1,1-Dichloroethane	4.99	
156-59-2	1,2-Dichloroethene (cis)	71.9	
1868-53-7	Dibromofluoromethane (S)	53.1	
2037-26-5	Toluene-d8	53.7	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV2.i\a040909.b\C19.D
Date : 10-APR-2009 10:04
Client ID: 55022
Sample Info: 5025055022
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV2.i
Operator: amv
Column diameter: 0.18



Pace Analytical Services, Inc.
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(317)875-5894

April 21, 2009

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

RE: Project: Allison Transmission
Pace Project No.: 5025166

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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May 1, 2009

Case Narrative- Level Project Review
Project 5025166 (Conestoga-Rovers & 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 'DF'. 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

The laboratory control samples listed on pages 97-98, 101-102 and 105-106 have one footnote (L0) indicating Acetone was outside the laboratory control limits. All other quality control indicators for this project (method blank and matrix spike) are within laboratory acceptance limits.

GC/MS Semi-Volatiles- Method 8270C

The LCS listed on pages 93-94 has one footnote (L0) indicating three compounds were outside the laboratory control limits. The project specific spike set is listed on pages 94-95 for sample 5025166036. There are two footnotes (M0 and R1) indicating three compounds were outside the control limits for recovery and all compounds were outside the RPD control limits. All other quality control indicators for this project (method blank) are within laboratory acceptance limits.

ICP-Method 6010B

All quality control indicators for this project (method blank, matrix spike and LCS results) are within laboratory acceptance limits.

The review of this project and the associated case narrative are part of a review process for final reports that require a complete set of data deliverables. This process is completed by a member of the Quality Department as part of Pace Analytical's Indiana state requirements.

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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.
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SAMPLE SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025166001	**TB-1(041009)**	Water	04/10/09 09:00	04/10/09 16:00
5025166002	**MW-24-S2A(041009)**	Water	04/10/09 09:45	04/10/09 16:00
5025166003	**MW-0419-S3(041009)**	Water	04/10/09 10:30	04/10/09 16:00
5025166004	**MW-0419-S2B(041009)**	Water	04/10/09 11:00	04/10/09 16:00
5025166005	**MW-0202-S3(041009)**	Water	04/10/09 12:05	04/10/09 16:00
5025166006	**MW-0202-S2B(041009)**	Water	04/10/09 12:35	04/10/09 16:00
5025166007	**MW-0202-S2A(041009)**	Water	04/10/09 13:10	04/10/09 16:00
5025166008	**MW-0406-S2B(041009)**	Water	04/10/09 14:00	04/10/09 16:00
5025166009	**FD-1(041009)-TK**	Water	04/10/09 08:00	04/10/09 16:00
5025166010	**MW-S3-0501(041009)**	Water	04/10/09 15:10	04/10/09 16:00
5025166011	**PZ-0801-S2(040909)**	Water	04/09/09 10:25	04/10/09 16:00
5025166012	**PZ-42-0702-S2A(040909)**	Water	04/09/09 12:52	04/10/09 16:00
5025166013	**MW-0707-S2B(040909)**	Water	04/09/09 15:15	04/10/09 16:00
5025166014	**MW-0620-S1(041009)**	Water	04/10/09 09:50	04/10/09 16:00
5025166015	**MW-0408-S2(041009)**	Water	04/10/09 11:10	04/10/09 16:00
5025166016	**MW-0803-S3(041009)**	Water	04/10/09 12:30	04/10/09 16:00
5025166017	**MW-0817-S2B(041009)**	Water	04/10/09 14:00	04/10/09 16:00
5025166018	**MW-0817-S3(041009)**	Water	04/10/09 14:35	04/10/09 16:00
5025166019	**EB-1(041009)-MAH**	Water	04/10/09 10:10	04/10/09 16:00
5025166020	**EB-2(041009)-MAH**	Water	04/10/09 11:30	04/10/09 16:00
5025166021	**FD-1(041009)-MAH**	Water	04/10/09 08:00	04/10/09 16:00
5025166022	**FD-2(041009)-MAH**	Water	04/10/09 08:00	04/10/09 16:00
5025166023	**TB-1(040909)-MAH**	Water	04/09/09 08:00	04/10/09 16:00
5025166024	**MW-S2-0601(041009)**	Water	04/10/09 15:15	04/10/09 16:00
5025166025	**MW-0811-S2(040909)**	Water	04/09/09 09:20	04/10/09 16:00
5025166026	**TB-1(040909)RW**	Water	04/09/09 08:00	04/10/09 16:00
5025166027	**EB-1(040909)RW**	Water	04/09/09 08:00	04/10/09 16:00
5025166028	**MW-0802-S2(040909)**	Water	04/09/09 10:22	04/10/09 16:00
5025166029	**FD-1(040909)RW**	Water	04/09/09 08:00	04/10/09 16:00
5025166030	**MW-0809-S2(040909)**	Water	04/09/09 11:38	04/10/09 16:00
5025166031	**MW-0701-S2(040909)**	Water	04/09/09 12:58	04/10/09 16:00
5025166032	**MW-0644-S2(040909)**	Water	04/09/09 13:37	04/10/09 16:00
5025166033	**MW-0801-S2(040909)**	Water	04/09/09 14:30	04/10/09 16:00
5025166034	**EB-2(040909)RW**	Water	04/09/09 08:00	04/10/09 16:00
5025166035	**FD-2(040909)RW**	Water	04/09/09 08:00	04/10/09 16:00
5025166036	**MW-0702-S2(040909)**	Water	04/09/09 15:30	04/10/09 16:00
5025166037	**MW-0616-S2(040909)**	Water	04/09/09 16:31	04/10/09 16:00

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SAMPLE SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025166038	**MW-0420-S2(041009)**	Water	04/10/09 09:04	04/10/09 16:00
5025166039	**MW-3-9-S2(041009)**	Water	04/10/09 09:46	04/10/09 16:00
5025166040	**MW-23-S2(041009)**	Water	04/10/09 10:29	04/10/09 16:00
5025166041	**MW-31-S2(041009)**	Water	04/10/09 11:37	04/10/09 16:00
5025166042	**MW-0116-S2(041009)**	Water	04/10/09 12:28	04/10/09 16:00
5025166043	**MW-0426-S2(041009)**	Water	04/10/09 13:29	04/10/09 16:00
5025166044	**MW-S2A-0501(041009)**	Water	04/10/09 14:40	04/10/09 16:00

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SAMPLE ANALYTE COUNT

Project: Allison Transmission
Pace Project No.: 5025166

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5025166001	TB-1(041009)	EPA 8260	ALA	51
5025166002	MW-24-S2A(041009)	EPA 8260	ALA	51
5025166003	MW-0419-S3(041009)	EPA 8260	ALA	51
5025166004	MW-0419-S2B(041009)	EPA 8260	ALA	51
5025166005	MW-0202-S3(041009)	EPA 8260	ALA	51
5025166006	MW-0202-S2B(041009)	EPA 8260	ALA	51
5025166007	MW-0202-S2A(041009)	EPA 8260	ALA	51
5025166008	MW-0406-S2B(041009)	EPA 8260	ALA	51
5025166009	FD-1(041009)-TK	EPA 8260	ALA	51
5025166010	MW-S3-0501(041009)	EPA 8260	ALA	51
5025166011	PZ-0801-S2(040909)	EPA 8260	ALA	51
5025166012	PZ-42-0702-S2A(040909)	EPA 8260	ALA	51
5025166013	MW-0707-S2B(040909)	EPA 8260	ALA	51
5025166014	MW-0620-S1(041009)	EPA 6010	FRW	1
		EPA 8260	ALA	51
5025166015	MW-0408-S2(041009)	EPA 6010	FRW	1
		EPA 8260	ALA	51
5025166016	MW-0803-S3(041009)	EPA 8260	ALA	51
5025166017	MW-0817-S2B(041009)	EPA 8260	ALA	51
5025166018	MW-0817-S3(041009)	EPA 8260	ALA	51
5025166019	EB-1(041009)-MAH	EPA 6010	FRW	1
5025166020	EB-2(041009)-MAH	EPA 6010	FRW	1
5025166021	FD-1(041009)-MAH	EPA 6010	FRW	1
5025166022	FD-2(041009)-MAH	EPA 6010	FRW	1
5025166023	TB-1(040909)-MAH	EPA 8260	ALA	51
5025166024	MW-S2-0601(041009)	EPA 8260	ALA	51
5025166025	MW-0811-S2(040909)	EPA 8260	ALA	51
5025166026	TB-1(040909)RW	EPA 8260	ALA	51
5025166027	EB-1(040909)RW	EPA 8260	ALA	51
5025166028	MW-0802-S2(040909)	EPA 8260	ALA	51
5025166029	FD-1(040909)RW	EPA 8260	ALA	51
5025166030	MW-0809-S2(040909)	EPA 8260	ALA	51
5025166031	MW-0701-S2(040909)	EPA 8260	ALA	51
5025166032	MW-0644-S2(040909)	EPA 8260	ALA	51
5025166033	MW-0801-S2(040909)	EPA 8260	ALA	51
5025166034	EB-2(040909)RW	EPA 8270	KES	57
5025166035	FD-2(040909)RW	EPA 8270	KES	57

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SAMPLE ANALYTE COUNT

Project: Allison Transmission
Pace Project No.: 5025166

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5025166036	**MW-0702-S2(040909)**	EPA 8260	ALA	51
		EPA 8270	KES	57
5025166037	**MW-0616-S2(040909)**	EPA 8260	ALA	51
5025166038	**MW-0420-S2(041009)**	EPA 8260	ALA	51
5025166039	**MW-3-9-S2(041009)**	EPA 8260	ALA	51
5025166040	**MW-23-S2(041009)**	EPA 8260	ALA	51
5025166041	**MW-31-S2(041009)**	EPA 8260	ALA	51
5025166042	**MW-0116-S2(041009)**	EPA 8260	ALA	51
5025166043	**MW-0426-S2(041009)**	EPA 8260	ALA	51
5025166044	**MW-S2A-0501(041009)**	EPA 8260	ALA	51

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: TB-1(041009) **Lab ID: 5025166001** Collected: 04/10/09 09:00 Received: 04/10/09 16:00 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		04/15/09 13:16	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 13:16	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 13:16	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 13:16	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 13:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 13:16	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 13:16	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 13:16	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 13:16	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 13:16	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 13:16	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 13:16	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 13:16	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 13:16	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 13:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 13:16	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 13:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 13:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 13:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 13:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 13:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 13:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 13:16	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 13:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 13:16	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 13:16	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 13:16	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 13:16	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 13:16	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 13:16	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 13:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 13:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 13:16	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 13:16	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 13:16	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 13:16	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 13:16	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 13:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 13:16	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 13:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 13:16	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 13:16	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 13:16	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: TB-1(041009) **Lab ID: 5025166001** Collected: 04/10/09 09:00 Received: 04/10/09 16:00 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		04/15/09 13:16	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/15/09 13:16	1868-53-7	
4-Bromofluorobenzene (S)	86	%	70-126	1		04/15/09 13:16	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 13:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-24-S2A(041009) **Lab ID: 5025166002** Collected: 04/10/09 09:45 Received: 04/10/09 16:00 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		04/15/09 13:53	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 13:53	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 13:53	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 13:53	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 13:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 13:53	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 13:53	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 13:53	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 13:53	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 13:53	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 13:53	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 13:53	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 13:53	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 13:53	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 13:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 13:53	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 13:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 13:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 13:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 13:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 13:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 13:53	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 13:53	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 13:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 13:53	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 13:53	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 13:53	591-78-6	
Isopropylbenzene (Cumene)	**4.2J**	ug/L	5.0	1		04/15/09 13:53	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 13:53	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 13:53	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 13:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 13:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 13:53	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 13:53	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 13:53	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 13:53	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 13:53	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 13:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 13:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 13:53	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 13:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 13:53	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 13:53	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 13:53	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-24-S2A(041009) **Lab ID: 5025166002** Collected: 04/10/09 09:45 Received: 04/10/09 16:00 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		04/15/09 13:53	1330-20-7	
Dibromofluoromethane (S)	115	%	80-123	1		04/15/09 13:53	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		04/15/09 13:53	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/15/09 13:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0419-S3(041009) **Lab ID: 5025166003** Collected: 04/10/09 10:30 Received: 04/10/09 16:00 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		04/15/09 14:29	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 14:29	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 14:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 14:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 14:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 14:29	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 14:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 14:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 14:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 14:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 14:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 14:29	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 14:29	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 14:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 14:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 14:29	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 14:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 14:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 14:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 14:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 14:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 14:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 14:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 14:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 14:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 14:29	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 14:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 14:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 14:29	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 14:29	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 14:29	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 14:29	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 14:29	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 14:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 14:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 14:29	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 14:29	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 14:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 14:29	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 14:29	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 14:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 14:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 14:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 14:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 14:29	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 14:29	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 14:29	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0419-S3(041009) **Lab ID: 5025166003** Collected: 04/10/09 10:30 Received: 04/10/09 16:00 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		04/15/09 14:29	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		04/15/09 14:29	1868-53-7	
4-Bromofluorobenzene (S)	102	%	70-126	1		04/15/09 14:29	460-00-4	
Toluene-d8 (S)	93	%	80-116	1		04/15/09 14:29	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0419-S2B(041009) **Lab ID: 5025166004** Collected: 04/10/09 11:00 Received: 04/10/09 16:00 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		04/15/09 15:06	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 15:06	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 15:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 15:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 15:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 15:06	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 15:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 15:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 15:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 15:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 15:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 15:06	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 15:06	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 15:06	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 15:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 15:06	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 15:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 15:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 15:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 15:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 15:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 15:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 15:06	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 15:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 15:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 15:06	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 15:06	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 15:06	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 15:06	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 15:06	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 15:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 15:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 15:06	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 15:06	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 15:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 15:06	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 15:06	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 15:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 15:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 15:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 15:06	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 15:06	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 15:06	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0419-S2B(041009) **Lab ID: 5025166004** Collected: 04/10/09 11:00 Received: 04/10/09 16:00 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		04/15/09 15:06	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/15/09 15:06	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		04/15/09 15:06	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 15:06	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0202-S3(041009) **Lab ID: 5025166005** Collected: 04/10/09 12:05 Received: 04/10/09 16:00 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		04/15/09 15:43	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 15:43	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 15:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 15:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 15:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 15:43	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 15:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 15:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 15:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 15:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 15:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 15:43	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 15:43	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 15:43	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 15:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 15:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 15:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 15:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 15:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 15:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 15:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 15:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 15:43	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 15:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 15:43	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 15:43	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 15:43	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 15:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 15:43	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 15:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 15:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 15:43	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 15:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 15:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 15:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 15:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 15:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 15:43	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 15:43	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0202-S3(041009) **Lab ID: 5025166005** Collected: 04/10/09 12:05 Received: 04/10/09 16:00 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		04/15/09 15:43	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/15/09 15:43	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		04/15/09 15:43	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 15:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0202-S2B(041009) **Lab ID: 5025166006** Collected: 04/10/09 12:35 Received: 04/10/09 16:00 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		04/15/09 16:19	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 16:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 16:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 16:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 16:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 16:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 16:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 16:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 16:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 16:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 16:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 16:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 16:19	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 16:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 16:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 16:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 16:19	75-71-8	
1,1-Dichloroethane	**9.9**	ug/L	5.0	1		04/15/09 16:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 16:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:19	75-35-4	
cis-1,2-Dichloroethene	**10**	ug/L	5.0	1		04/15/09 16:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 16:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 16:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 16:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 16:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 16:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 16:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 16:19	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 16:19	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 16:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 16:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 16:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 16:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 16:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 16:19	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 16:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 16:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 16:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 16:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 16:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 16:19	76-13-1	
Vinyl chloride	**3.4**	ug/L	2.0	1		04/15/09 16:19	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0202-S2B(041009) **Lab ID: 5025166006** Collected: 04/10/09 12:35 Received: 04/10/09 16:00 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		04/15/09 16:19	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/15/09 16:19	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		04/15/09 16:19	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		04/15/09 16:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0202-S2A(041009) **Lab ID: 5025166007** Collected: 04/10/09 13:10 Received: 04/10/09 16:00 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		04/15/09 16:56	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 16:56	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 16:56	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 16:56	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 16:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 16:56	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 16:56	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 16:56	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 16:56	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 16:56	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 16:56	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 16:56	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 16:56	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 16:56	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 16:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 16:56	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 16:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 16:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 16:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 16:56	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 16:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 16:56	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 16:56	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 16:56	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 16:56	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 16:56	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 16:56	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 16:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 16:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 16:56	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 16:56	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 16:56	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 16:56	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 16:56	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 16:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 16:56	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 16:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 16:56	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 16:56	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 16:56	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0202-S2A(041009) **Lab ID: 5025166007** Collected: 04/10/09 13:10 Received: 04/10/09 16:00 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		04/15/09 16:56	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/15/09 16:56	1868-53-7	
4-Bromofluorobenzene (S)	90	%	70-126	1		04/15/09 16:56	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 16:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0406-S2B(041009) **Lab ID: 5025166008** Collected: 04/10/09 14:00 Received: 04/10/09 16:00 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		04/15/09 17:32	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 17:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 17:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 17:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 17:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 17:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 17:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 17:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 17:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 17:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 17:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 17:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 17:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 17:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 17:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 17:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 17:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 17:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 17:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 17:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 17:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 17:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 17:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 17:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 17:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 17:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 17:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 17:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 17:32	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 17:32	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 17:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 17:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 17:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 17:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 17:32	79-34-5	
Tetrachloroethene	**7.2**	ug/L	5.0	1		04/15/09 17:32	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 17:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 17:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 17:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 17:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 17:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 17:32	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 17:32	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0406-S2B(041009) **Lab ID: 5025166008** Collected: 04/10/09 14:00 Received: 04/10/09 16:00 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		04/15/09 17:32	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/15/09 17:32	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		04/15/09 17:32	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		04/15/09 17:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-1(041009)-TK **Lab ID: 5025166009** Collected: 04/10/09 08:00 Received: 04/10/09 16:00 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		04/15/09 18:09	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 18:09	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 18:09	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 18:09	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 18:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 18:09	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 18:09	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 18:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 18:09	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 18:09	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 18:09	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 18:09	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 18:09	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 18:09	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 18:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 18:09	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 18:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:09	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 18:09	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:09	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 18:09	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 18:09	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 18:09	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 18:09	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 18:09	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 18:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 18:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 18:09	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 18:09	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 18:09	79-34-5	
Tetrachloroethene	**7.3**	ug/L	5.0	1		04/15/09 18:09	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 18:09	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:09	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 18:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 18:09	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 18:09	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 18:09	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-1(041009)-TK **Lab ID: 5025166009** Collected: 04/10/09 08:00 Received: 04/10/09 16:00 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		04/15/09 18:09	1330-20-7	
Dibromofluoromethane (S)	116	%	80-123	1		04/15/09 18:09	1868-53-7	
4-Bromofluorobenzene (S)	87	%	70-126	1		04/15/09 18:09	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		04/15/09 18:09	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-S3-0501(041009) **Lab ID: 5025166010** Collected: 04/10/09 15:10 Received: 04/10/09 16:00 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		04/15/09 18:46	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 18:46	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 18:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 18:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 18:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 18:46	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 18:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 18:46	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 18:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 18:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 18:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 18:46	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 18:46	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 18:46	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 18:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 18:46	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 18:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:46	75-35-4	
cis-1,2-Dichloroethene	**2.5J**	ug/L	5.0	1		04/15/09 18:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 18:46	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 18:46	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 18:46	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 18:46	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 18:46	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 18:46	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 18:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 18:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 18:46	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 18:46	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 18:46	79-34-5	
Tetrachloroethene	**78.1**	ug/L	5.0	1		04/15/09 18:46	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 18:46	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:46	79-00-5	
Trichloroethene	**41.8**	ug/L	5.0	1		04/15/09 18:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 18:46	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 18:46	76-13-1	
Vinyl chloride	**3.4**	ug/L	2.0	1		04/15/09 18:46	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-S3-0501(041009) **Lab ID: 5025166010** Collected: 04/10/09 15:10 Received: 04/10/09 16:00 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		04/15/09 18:46	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/15/09 18:46	1868-53-7	
4-Bromofluorobenzene (S)	88	%	70-126	1		04/15/09 18:46	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 18:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: PZ-0801-S2(040909) **Lab ID: 5025166011** Collected: 04/09/09 10:25 Received: 04/10/09 16:00 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		04/15/09 19:22	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 19:22	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 19:22	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 19:22	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 19:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 19:22	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 19:22	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 19:22	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 19:22	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 19:22	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 19:22	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 19:22	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 19:22	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 19:22	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 19:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 19:22	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 19:22	75-71-8	
1,1-Dichloroethane	**16.6**	ug/L	5.0	1		04/15/09 19:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:22	75-35-4	
cis-1,2-Dichloroethene	**184**	ug/L	5.0	1		04/15/09 19:22	156-59-2	
trans-1,2-Dichloroethene	**9.9**	ug/L	5.0	1		04/15/09 19:22	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 19:22	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:22	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 19:22	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 19:22	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 19:22	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 19:22	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 19:22	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 19:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 19:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 19:22	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 19:22	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 19:22	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 19:22	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 19:22	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:22	120-82-1	
1,1,1-Trichloroethane	**8.0**	ug/L	5.0	1		04/15/09 19:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:22	79-00-5	
Trichloroethene	**168**	ug/L	5.0	1		04/15/09 19:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 19:22	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 19:22	76-13-1	
Vinyl chloride	**4.2**	ug/L	2.0	1		04/15/09 19:22	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: PZ-0801-S2(040909) **Lab ID: 5025166011** Collected: 04/09/09 10:25 Received: 04/10/09 16:00 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		04/15/09 19:22	1330-20-7	
Dibromofluoromethane (S)	112	%	80-123	1		04/15/09 19:22	1868-53-7	
4-Bromofluorobenzene (S)	89	%	70-126	1		04/15/09 19:22	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		04/15/09 19:22	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: PZ-42-0702-S2A(040909) **Lab ID: 5025166012** Collected: 04/09/09 12:52 Received: 04/10/09 16:00 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		04/15/09 19:59	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 19:59	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 19:59	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 19:59	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 19:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 19:59	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 19:59	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 19:59	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 19:59	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 19:59	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 19:59	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 19:59	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 19:59	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 19:59	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 19:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 19:59	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 19:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:59	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 19:59	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:59	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 19:59	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 19:59	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 19:59	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 19:59	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 19:59	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 19:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 19:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 19:59	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 19:59	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 19:59	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 19:59	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 19:59	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:59	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 19:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 19:59	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 19:59	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 19:59	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: PZ-42-0702-S2A(040909) **Lab ID: 5025166012** Collected: 04/09/09 12:52 Received: 04/10/09 16:00 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		04/15/09 19:59	1330-20-7	
Dibromofluoromethane (S)	114	%	80-123	1		04/15/09 19:59	1868-53-7	
4-Bromofluorobenzene (S)	87	%	70-126	1		04/15/09 19:59	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/15/09 19:59	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0707-S2B(040909) **Lab ID: 5025166013** Collected: 04/09/09 15:15 Received: 04/10/09 16:00 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		04/15/09 20:35	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 20:35	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 20:35	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 20:35	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 20:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 20:35	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 20:35	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 20:35	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 20:35	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 20:35	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 20:35	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 20:35	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 20:35	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 20:35	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 20:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 20:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 20:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 20:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 20:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:35	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 20:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 20:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 20:35	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 20:35	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 20:35	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 20:35	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 20:35	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 20:35	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 20:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 20:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 20:35	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 20:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 20:35	79-34-5	
Tetrachloroethene	**7.0**	ug/L	5.0	1		04/15/09 20:35	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 20:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 20:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 20:35	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 20:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 20:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 20:35	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 20:35	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0707-S2B(040909) **Lab ID: 5025166013** Collected: 04/09/09 15:15 Received: 04/10/09 16:00 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		04/15/09 20:35	1330-20-7	
Dibromofluoromethane (S)	111	%	80-123	1		04/15/09 20:35	1868-53-7	
4-Bromofluorobenzene (S)	103	%	70-126	1		04/15/09 20:35	460-00-4	
Toluene-d8 (S)	93	%	80-116	1		04/15/09 20:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0620-S1(041009) **Lab ID: 5025166014** Collected: 04/10/09 09:50 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	04/12/09 00:00	04/13/09 13:28	7439-92-1	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/15/09 21:12	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 21:12	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 21:12	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 21:12	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 21:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 21:12	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 21:12	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 21:12	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 21:12	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 21:12	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 21:12	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 21:12	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 21:12	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 21:12	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 21:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 21:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 21:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 21:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 21:12	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 21:12	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 21:12	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 21:12	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 21:12	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 21:12	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 21:12	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 21:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 21:12	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 21:12	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 21:12	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 21:12	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 21:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 21:12	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 21:12	79-01-6	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0620-S1(041009) **Lab ID: 5025166014** Collected: 04/10/09 09:50 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 21:12	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 21:12	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 21:12	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/15/09 21:12	1330-20-7	
Dibromofluoromethane (S)	112	%	80-123	1		04/15/09 21:12	1868-53-7	
4-Bromofluorobenzene (S)	88	%	70-126	1		04/15/09 21:12	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 21:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0408-S2(041009) **Lab ID: 5025166015** Collected: 04/10/09 11:10 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**28.2**	ug/L	5.0	1	04/12/09 00:00	04/13/09 13:45	7440-38-2	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/15/09 16:01	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 16:01	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 16:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 16:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 16:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 16:01	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 16:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 16:01	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 16:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 16:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 16:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 16:01	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 16:01	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 16:01	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 16:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 16:01	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 16:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 16:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 16:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 16:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 16:01	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 16:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 16:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 16:01	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 16:01	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 16:01	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 16:01	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 16:01	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 16:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 16:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 16:01	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 16:01	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 16:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 16:01	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 16:01	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 16:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 16:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 16:01	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 16:01	79-01-6	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0408-S2(041009) **Lab ID: 5025166015** Collected: 04/10/09 11:10 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 16:01	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 16:01	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 16:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/15/09 16:01	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		04/15/09 16:01	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/15/09 16:01	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 16:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0803-S3(041009) **Lab ID: 5025166016** Collected: 04/10/09 12:30 Received: 04/10/09 16:00 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		04/15/09 17:51	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 17:51	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 17:51	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 17:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 17:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 17:51	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 17:51	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 17:51	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 17:51	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 17:51	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 17:51	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 17:51	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 17:51	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 17:51	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 17:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 17:51	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 17:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 17:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 17:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 17:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 17:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 17:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 17:51	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 17:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 17:51	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 17:51	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 17:51	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 17:51	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 17:51	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 17:51	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 17:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 17:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 17:51	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 17:51	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 17:51	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 17:51	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 17:51	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 17:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 17:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 17:51	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 17:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 17:51	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 17:51	76-13-1	
Vinyl chloride	**7.9**	ug/L	2.0	1		04/15/09 17:51	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0803-S3(041009) **Lab ID: 5025166016** Collected: 04/10/09 12:30 Received: 04/10/09 16:00 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		04/15/09 17:51	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/15/09 17:51	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-126	1		04/15/09 17:51	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/15/09 17:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0817-S2B(041009) **Lab ID: 5025166017** Collected: 04/10/09 14:00 Received: 04/10/09 16:00 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		04/15/09 18:27	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 18:27	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 18:27	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 18:27	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 18:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 18:27	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 18:27	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 18:27	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 18:27	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 18:27	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 18:27	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 18:27	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 18:27	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 18:27	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 18:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 18:27	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 18:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 18:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 18:27	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 18:27	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 18:27	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 18:27	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 18:27	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 18:27	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 18:27	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 18:27	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 18:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 18:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 18:27	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 18:27	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 18:27	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 18:27	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 18:27	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 18:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 18:27	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 18:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 18:27	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 18:27	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 18:27	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0817-S2B(041009) **Lab ID: 5025166017** Collected: 04/10/09 14:00 Received: 04/10/09 16:00 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		04/15/09 18:27	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/15/09 18:27	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		04/15/09 18:27	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 18:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0817-S3(041009) **Lab ID: 5025166018** Collected: 04/10/09 14:35 Received: 04/10/09 16:00 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		04/15/09 19:04	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 19:04	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 19:04	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 19:04	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 19:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 19:04	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 19:04	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 19:04	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 19:04	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 19:04	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 19:04	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 19:04	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 19:04	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 19:04	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 19:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 19:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 19:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:04	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 19:04	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:04	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 19:04	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 19:04	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 19:04	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 19:04	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 19:04	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 19:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 19:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 19:04	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 19:04	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 19:04	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 19:04	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 19:04	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:04	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 19:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 19:04	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 19:04	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 19:04	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0817-S3(041009) **Lab ID: 5025166018** Collected: 04/10/09 14:35 Received: 04/10/09 16:00 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		04/15/09 19:04	1330-20-7	
Dibromofluoromethane (S)	109	%	80-123	1		04/15/09 19:04	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/15/09 19:04	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/15/09 19:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: EB-1(041009)-MAH **Lab ID: 5025166019** Collected: 04/10/09 10:10 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	04/12/09 00:00	04/13/09 14:02	7439-92-1	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: EB-2(041009)-MAH **Lab ID: 5025166020** Collected: 04/10/09 11:30 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	ND	ug/L	5.0	1	04/12/09 00:00	04/13/09 14:07	7440-38-2	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-1(041009)-MAH **Lab ID: 5025166021** Collected: 04/10/09 08:00 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Lead	ND	ug/L	10.0	1	04/12/09 00:00	04/13/09 14:13	7439-92-1	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-2(041009)-MAH **Lab ID: 5025166022** Collected: 04/10/09 08:00 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Arsenic	**27.9**	ug/L	5.0	1	04/12/09 00:00	04/13/09 14:19	7440-38-2	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: TB-1(040909)-MAH **Lab ID: 5025166023** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/15/09 19:40	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 19:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 19:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 19:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 19:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 19:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 19:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 19:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 19:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 19:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 19:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 19:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 19:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 19:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 19:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 19:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 19:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 19:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 19:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 19:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 19:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 19:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 19:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 19:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 19:40	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 19:40	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 19:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 19:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 19:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 19:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 19:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 19:40	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 19:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 19:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 19:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 19:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 19:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 19:40	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 19:40	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: TB-1(040909)-MAH **Lab ID: 5025166023** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/15/09 19:40	1330-20-7	
Dibromofluoromethane (S)	109	%	80-123	1		04/15/09 19:40	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/15/09 19:40	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/15/09 19:40	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-S2-0601(041009) **Lab ID: 5025166024** Collected: 04/10/09 15:15 Received: 04/10/09 16:00 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		04/15/09 20:17	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 20:17	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 20:17	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 20:17	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 20:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 20:17	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 20:17	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 20:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 20:17	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 20:17	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 20:17	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 20:17	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 20:17	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 20:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 20:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 20:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 20:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 20:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 20:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 20:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 20:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 20:17	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 20:17	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 20:17	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 20:17	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 20:17	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 20:17	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 20:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 20:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 20:17	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 20:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 20:17	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 20:17	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 20:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 20:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 20:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 20:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 20:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 20:17	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 20:17	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-S2-0601(041009) **Lab ID: 5025166024** Collected: 04/10/09 15:15 Received: 04/10/09 16:00 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		04/15/09 20:17	1330-20-7	
Dibromofluoromethane (S)	104	%	80-123	1		04/15/09 20:17	1868-53-7	
4-Bromofluorobenzene (S)	101	%	70-126	1		04/15/09 20:17	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/15/09 20:17	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0811-S2(040909) **Lab ID: 5025166025** Collected: 04/09/09 09:20 Received: 04/10/09 16:00 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		04/16/09 12:44	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 12:44	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 12:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 12:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 12:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 12:44	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 12:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 12:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 12:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 12:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 12:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 12:44	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 12:44	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 12:44	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 12:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 12:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 12:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 12:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 12:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 12:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 12:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 12:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 12:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 12:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 12:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 12:44	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 12:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 12:44	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 12:44	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 12:44	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 12:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 12:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 12:44	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 12:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 12:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 12:44	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 12:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 12:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 12:44	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 12:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 12:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 12:44	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 12:44	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0811-S2(040909) **Lab ID: 5025166025** Collected: 04/09/09 09:20 Received: 04/10/09 16:00 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		04/16/09 12:44	1330-20-7	
Dibromofluoromethane (S)	105	%	80-123	1		04/16/09 12:44	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/16/09 12:44	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/16/09 12:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: TB-1(040909)RW **Lab ID: 5025166026** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/15/09 20:54	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 20:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 20:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 20:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 20:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 20:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 20:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 20:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 20:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 20:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 20:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 20:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 20:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 20:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 20:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 20:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 20:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 20:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 20:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 20:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 20:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 20:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 20:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 20:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 20:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 20:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 20:54	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 20:54	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 20:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 20:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 20:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 20:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 20:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 20:54	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 20:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 20:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 20:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 20:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 20:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 20:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 20:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 20:54	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: TB-1(040909)RW **Lab ID: 5025166026** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/15/09 20:54	1330-20-7	
Dibromofluoromethane (S)	105	%	80-123	1		04/15/09 20:54	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		04/15/09 20:54	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/15/09 20:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: EB-1(040909)RW **Lab ID: 5025166027** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/15/09 21:30	67-64-1	
Benzene	ND	ug/L	5.0	1		04/15/09 21:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/15/09 21:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/15/09 21:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/15/09 21:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/15/09 21:30	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/15/09 21:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/15/09 21:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/15/09 21:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/15/09 21:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/15/09 21:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/15/09 21:30	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/15/09 21:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/15/09 21:30	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/15/09 21:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/15/09 21:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/15/09 21:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/15/09 21:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/15/09 21:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/15/09 21:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 21:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/15/09 21:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/15/09 21:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 21:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/15/09 21:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/15/09 21:30	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/15/09 21:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/15/09 21:30	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/15/09 21:30	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/15/09 21:30	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/15/09 21:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/15/09 21:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/15/09 21:30	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/15/09 21:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/15/09 21:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/15/09 21:30	127-18-4	
Toluene	ND	ug/L	5.0	1		04/15/09 21:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/15/09 21:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/15/09 21:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/15/09 21:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/15/09 21:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/15/09 21:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/15/09 21:30	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/15/09 21:30	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: EB-1(040909)RW **Lab ID: 5025166027** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/15/09 21:30	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/15/09 21:30	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		04/15/09 21:30	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/15/09 21:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0802-S2(040909) **Lab ID: 5025166028** Collected: 04/09/09 10:22 Received: 04/10/09 16:00 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		04/16/09 14:32	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 14:32	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 14:32	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 14:32	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 14:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 14:32	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 14:32	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 14:32	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 14:32	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 14:32	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 14:32	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 14:32	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 14:32	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 14:32	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 14:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 14:32	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 14:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 14:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 14:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 14:32	75-71-8	
1,1-Dichloroethane	**6.1**	ug/L	5.0	1		04/16/09 14:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 14:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 14:32	75-35-4	
cis-1,2-Dichloroethene	**184**	ug/L	5.0	1		04/16/09 14:32	156-59-2	
trans-1,2-Dichloroethene	**17.5**	ug/L	5.0	1		04/16/09 14:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 14:32	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 14:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 14:32	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 14:32	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 14:32	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 14:32	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 14:32	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 14:32	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 14:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 14:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 14:32	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 14:32	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 14:32	79-34-5	
Tetrachloroethene	**2.5J**	ug/L	5.0	1		04/16/09 14:32	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 14:32	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 14:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 14:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 14:32	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 14:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 14:32	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 14:32	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 14:32	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0802-S2(040909) **Lab ID: 5025166028** Collected: 04/09/09 10:22 Received: 04/10/09 16:00 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		04/16/09 14:32	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/16/09 14:32	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		04/16/09 14:32	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/16/09 14:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-1(040909)RW **Lab ID: 5025166029** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/16/09 15:08	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 15:08	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 15:08	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 15:08	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 15:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 15:08	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 15:08	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 15:08	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 15:08	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 15:08	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 15:08	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 15:08	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 15:08	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 15:08	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 15:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 15:08	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 15:08	75-71-8	
1,1-Dichloroethane	**6.0**	ug/L	5.0	1		04/16/09 15:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 15:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 15:08	75-35-4	
cis-1,2-Dichloroethene	**184**	ug/L	5.0	1		04/16/09 15:08	156-59-2	
trans-1,2-Dichloroethene	**16.3**	ug/L	5.0	1		04/16/09 15:08	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 15:08	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 15:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 15:08	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 15:08	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 15:08	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 15:08	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 15:08	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 15:08	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 15:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 15:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 15:08	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 15:08	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 15:08	79-34-5	
Tetrachloroethene	**2.5J**	ug/L	5.0	1		04/16/09 15:08	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 15:08	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 15:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 15:08	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 15:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 15:08	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 15:08	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 15:08	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-1(040909)RW **Lab ID: 5025166029** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 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		04/16/09 15:08	1330-20-7	
Dibromofluoromethane (S)	106	%	80-123	1		04/16/09 15:08	1868-53-7	
4-Bromofluorobenzene (S)	96	%	70-126	1		04/16/09 15:08	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		04/16/09 15:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0809-S2(040909) **Lab ID: 5025166030** Collected: 04/09/09 11:38 Received: 04/10/09 16:00 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		04/16/09 15:44	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 15:44	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 15:44	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 15:44	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 15:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 15:44	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 15:44	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 15:44	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 15:44	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 15:44	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 15:44	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 15:44	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 15:44	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 15:44	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 15:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 15:44	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 15:44	75-71-8	
1,1-Dichloroethane	**20.1**	ug/L	5.0	1		04/16/09 15:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 15:44	107-06-2	
1,1-Dichloroethene	**8.1**	ug/L	5.0	1		04/16/09 15:44	75-35-4	
cis-1,2-Dichloroethene	**650**	ug/L	50.0	10		04/16/09 21:07	156-59-2	
trans-1,2-Dichloroethene	**27.8**	ug/L	5.0	1		04/16/09 15:44	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 15:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 15:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 15:44	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 15:44	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 15:44	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 15:44	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 15:44	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 15:44	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 15:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 15:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 15:44	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 15:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 15:44	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 15:44	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 15:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 15:44	120-82-1	
1,1,1-Trichloroethane	**11.0**	ug/L	5.0	1		04/16/09 15:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 15:44	79-00-5	
Trichloroethene	**57.7**	ug/L	5.0	1		04/16/09 15:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 15:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	**10.7**	ug/L	5.0	1		04/16/09 15:44	76-13-1	
Vinyl chloride	**13.5**	ug/L	2.0	1		04/16/09 15:44	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0809-S2(040909) **Lab ID: 5025166030** Collected: 04/09/09 11:38 Received: 04/10/09 16:00 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		04/16/09 15:44	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/16/09 15:44	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		04/16/09 15:44	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/16/09 15:44	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0701-S2(040909) **Lab ID: 5025166031** Collected: 04/09/09 12:58 Received: 04/10/09 16:00 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		04/16/09 16:19	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 16:19	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 16:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 16:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 16:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 16:19	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 16:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 16:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 16:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 16:19	75-00-3	
Chloroform	**1.4J**	ug/L	5.0	1		04/16/09 16:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 16:19	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 16:19	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 16:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 16:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 16:19	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 16:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 16:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 16:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 16:19	75-35-4	
cis-1,2-Dichloroethene	**5.3**	ug/L	5.0	1		04/16/09 16:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 16:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 16:19	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 16:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 16:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 16:19	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 16:19	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 16:19	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 16:19	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 16:19	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 16:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 16:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 16:19	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 16:19	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 16:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 16:19	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 16:19	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 16:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 16:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 16:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 16:19	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 16:19	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 16:19	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0701-S2(040909) **Lab ID: 5025166031** Collected: 04/09/09 12:58 Received: 04/10/09 16:00 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		04/16/09 16:19	1330-20-7	
Dibromofluoromethane (S)	109	%	80-123	1		04/16/09 16:19	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		04/16/09 16:19	460-00-4	
Toluene-d8 (S)	99	%	80-116	1		04/16/09 16:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0644-S2(040909) **Lab ID: 5025166032** Collected: 04/09/09 13:37 Received: 04/10/09 16:00 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		04/16/09 16:55	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 16:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 16:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 16:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 16:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 16:55	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 16:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 16:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 16:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 16:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 16:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 16:55	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 16:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 16:55	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 16:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 16:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 16:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 16:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 16:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 16:55	75-35-4	
cis-1,2-Dichloroethene	**1.7J**	ug/L	5.0	1		04/16/09 16:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 16:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 16:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 16:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 16:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 16:55	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 16:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 16:55	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 16:55	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 16:55	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 16:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 16:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 16:55	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 16:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 16:55	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 16:55	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 16:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 16:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 16:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 16:55	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 16:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 16:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 16:55	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 16:55	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0644-S2(040909) **Lab ID: 5025166032** Collected: 04/09/09 13:37 Received: 04/10/09 16:00 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		04/16/09 16:55	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/16/09 16:55	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		04/16/09 16:55	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/16/09 16:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0801-S2(040909) **Lab ID: 5025166033** Collected: 04/09/09 14:30 Received: 04/10/09 16:00 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		04/16/09 17:31	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 17:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 17:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 17:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 17:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 17:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 17:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 17:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 17:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 17:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 17:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 17:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 17:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 17:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 17:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 17:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 17:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 17:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 17:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 17:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 17:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 17:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 17:31	75-35-4	
cis-1,2-Dichloroethene	**7.8**	ug/L	5.0	1		04/16/09 17:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 17:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 17:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 17:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 17:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 17:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 17:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 17:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 17:31	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 17:31	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 17:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 17:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 17:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 17:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 17:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 17:31	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 17:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 17:31	120-82-1	
1,1,1-Trichloroethane	**7.2**	ug/L	5.0	1		04/16/09 17:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 17:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 17:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 17:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 17:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 17:31	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0801-S2(040909) **Lab ID: 5025166033** Collected: 04/09/09 14:30 Received: 04/10/09 16:00 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		04/16/09 17:31	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/16/09 17:31	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/16/09 17:31	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/16/09 17:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: EB-2(040909)RW **Lab ID: 5025166034** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	83-32-9	
Acenaphthylene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	208-96-8	
Acetophenone	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	98-86-2	
Anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	120-12-7	
Atrazine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	1912-24-9	
Benzaldehyde	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	100-52-7	
Benzo(a)anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	207-08-9	
Biphenyl (Diphenyl)	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	92-52-4	
4-Bromophenylphenyl ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	85-68-7	
Caprolactam	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	105-60-2	
Carbazole	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	86-74-8	
4-Chloroaniline	ND	ug/L	10.5	1	04/15/09 12:10	04/16/09 13:11	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	111-44-4	
2-Chloronaphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	91-58-7	
4-Chlorophenylphenyl ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	7005-72-3	
Chrysene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	53-70-3	
Dibenzofuran	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	91-94-1	
Diethylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	84-66-2	
Dimethylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	84-74-2	
2,4-Dinitrotoluene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	117-81-7	
Fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	206-44-0	
Fluorene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	87-68-3	
Hexachlorobenzene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	26.3	1	04/15/09 12:10	04/16/09 13:11	77-47-4	
Hexachloroethane	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	193-39-5	
Isophorone	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	78-59-1	
2-Methylnaphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	91-57-6	
Naphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	91-20-3	
2-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:11	88-74-4	
3-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:11	99-09-2	
4-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:11	100-01-6	
Nitrobenzene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	98-95-3	
N-Nitroso-di-n-propylamine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	621-64-7	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: EB-2(040909)RW **Lab ID: 5025166034** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitrosodiphenylamine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	108-60-1	
Phenanthrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	85-01-8	
Pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:11	129-00-0	
Nitrobenzene-d5 (S)	91	%	40-112	1	04/15/09 12:10	04/16/09 13:11	4165-60-0	
2-Fluorobiphenyl (S)	92	%	31-114	1	04/15/09 12:10	04/16/09 13:11	321-60-8	
Terphenyl-d14 (S)	83	%	10-116	1	04/15/09 12:10	04/16/09 13:11	1718-51-0	
Phenol-d6 (S)	34	%	10-100	1	04/15/09 12:10	04/16/09 13:11	13127-88-3	
2-Fluorophenol (S)	55	%	13-100	1	04/15/09 12:10	04/16/09 13:11	367-12-4	
2,4,6-Tribromophenol (S)	77	%	26-125	1	04/15/09 12:10	04/16/09 13:11	118-79-6	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-2(040909)RW **Lab ID: 5025166035** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	83-32-9	
Acenaphthylene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	208-96-8	
Acetophenone	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	98-86-2	
Anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	120-12-7	
Atrazine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	1912-24-9	
Benzaldehyde	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	100-52-7	
Benzo(a)anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	207-08-9	
Biphenyl (Diphenyl)	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	92-52-4	
4-Bromophenylphenyl ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	85-68-7	
Caprolactam	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	105-60-2	
Carbazole	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	86-74-8	
4-Chloroaniline	ND	ug/L	10.5	1	04/15/09 12:10	04/16/09 13:32	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	111-44-4	
2-Chloronaphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	91-58-7	
4-Chlorophenylphenyl ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	7005-72-3	
Chrysene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	53-70-3	
Dibenzofuran	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	91-94-1	
Diethylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	84-66-2	
Dimethylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	84-74-2	
2,4-Dinitrotoluene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	117-81-7	
Fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	206-44-0	
Fluorene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	87-68-3	
Hexachlorobenzene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	26.3	1	04/15/09 12:10	04/16/09 13:32	77-47-4	
Hexachloroethane	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	193-39-5	
Isophorone	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	78-59-1	
2-Methylnaphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	91-57-6	
Naphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	91-20-3	
2-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:32	88-74-4	
3-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:32	99-09-2	
4-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:32	100-01-6	
Nitrobenzene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	98-95-3	
N-Nitroso-di-n-propylamine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	621-64-7	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: FD-2(040909)RW **Lab ID: 5025166035** Collected: 04/09/09 08:00 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitrosodiphenylamine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	108-60-1	
Phenanthrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	85-01-8	
Pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:32	129-00-0	
Nitrobenzene-d5 (S)	90	%	40-112	1	04/15/09 12:10	04/16/09 13:32	4165-60-0	
2-Fluorobiphenyl (S)	87	%	31-114	1	04/15/09 12:10	04/16/09 13:32	321-60-8	
Terphenyl-d14 (S)	83	%	10-116	1	04/15/09 12:10	04/16/09 13:32	1718-51-0	
Phenol-d6 (S)	34	%	10-100	1	04/15/09 12:10	04/16/09 13:32	13127-88-3	
2-Fluorophenol (S)	55	%	13-100	1	04/15/09 12:10	04/16/09 13:32	367-12-4	
2,4,6-Tribromophenol (S)	79	%	26-125	1	04/15/09 12:10	04/16/09 13:32	118-79-6	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0702-S2(040909) **Lab ID: 5025166036** Collected: 04/09/09 15:30 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	83-32-9	
Acenaphthylene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	208-96-8	
Acetophenone	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	98-86-2	
Anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	120-12-7	
Atrazine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	1912-24-9	
Benzaldehyde	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	100-52-7	
Benzo(a)anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	207-08-9	
Biphenyl (Diphenyl)	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	92-52-4	
4-Bromophenylphenyl ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	85-68-7	
Caprolactam	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	105-60-2	
Carbazole	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	86-74-8	
4-Chloroaniline	ND	ug/L	10.5	1	04/15/09 12:10	04/16/09 13:52	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	111-44-4	
2-Chloronaphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	91-58-7	
4-Chlorophenylphenyl ether	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	7005-72-3	
Chrysene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	53-70-3	
Dibenzofuran	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	91-94-1	
Diethylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	84-66-2	
Dimethylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	84-74-2	
2,4-Dinitrotoluene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	117-81-7	
Fluoranthene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	206-44-0	
Fluorene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	87-68-3	
Hexachlorobenzene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	26.3	1	04/15/09 12:10	04/16/09 13:52	77-47-4	
Hexachloroethane	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	193-39-5	
Isophorone	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	78-59-1	
2-Methylnaphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	91-57-6	
Naphthalene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	91-20-3	
2-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:52	88-74-4	
3-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:52	99-09-2	
4-Nitroaniline	ND	ug/L	21.1	1	04/15/09 12:10	04/16/09 13:52	100-01-6	
Nitrobenzene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	98-95-3	
N-Nitroso-di-n-propylamine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	621-64-7	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0702-S2(040909) **Lab ID: 5025166036** Collected: 04/09/09 15:30 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitrosodiphenylamine	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	108-60-1	
Phenanthrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	85-01-8	
Pyrene	ND	ug/L	5.3	1	04/15/09 12:10	04/16/09 13:52	129-00-0	
Nitrobenzene-d5 (S)	83	%	40-112	1	04/15/09 12:10	04/16/09 13:52	4165-60-0	
2-Fluorobiphenyl (S)	78	%	31-114	1	04/15/09 12:10	04/16/09 13:52	321-60-8	
Terphenyl-d14 (S)	79	%	10-116	1	04/15/09 12:10	04/16/09 13:52	1718-51-0	
Phenol-d6 (S)	34	%	10-100	1	04/15/09 12:10	04/16/09 13:52	13127-88-3	
2-Fluorophenol (S)	55	%	13-100	1	04/15/09 12:10	04/16/09 13:52	367-12-4	
2,4,6-Tribromophenol (S)	71	%	26-125	1	04/15/09 12:10	04/16/09 13:52	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/17/09 00:07	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/09 00:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/09 00:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/09 00:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/09 00:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/09 00:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/09 00:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/09 00:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/09 00:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/09 00:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/09 00:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/09 00:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/09 00:07	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/17/09 00:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/09 00:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/09 00:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 00:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 00:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 00:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/09 00:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/09 00:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/09 00:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/09 00:07	75-35-4	
cis-1,2-Dichloroethene	**2.8J**	ug/L	5.0	1		04/17/09 00:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 00:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/09 00:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 00:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 00:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/09 00:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/09 00:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/09 00:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/09 00:07	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/17/09 00:07	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/17/09 00:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/09 00:07	108-10-1	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0702-S2(040909) **Lab ID: 5025166036** Collected: 04/09/09 15:30 Received: 04/10/09 16:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/09 00:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/09 00:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/09 00:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/09 00:07	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/09 00:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/09 00:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/09 00:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/09 00:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/09 00:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/09 00:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/09 00:07	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/09 00:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/17/09 00:07	1330-20-7	
Dibromofluoromethane (S)	110	%	80-123	1		04/17/09 00:07	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/17/09 00:07	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/17/09 00:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0616-S2(040909) **Lab ID: 5025166037** Collected: 04/09/09 16:31 Received: 04/10/09 16:00 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		04/16/09 18:07	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 18:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 18:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 18:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 18:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 18:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 18:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 18:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 18:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 18:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 18:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 18:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 18:07	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 18:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 18:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 18:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 18:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 18:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 18:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 18:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 18:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 18:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 18:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 18:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 18:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 18:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 18:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 18:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 18:07	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 18:07	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 18:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 18:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 18:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 18:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 18:07	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 18:07	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 18:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 18:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 18:07	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 18:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 18:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 18:07	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 18:07	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0616-S2(040909) **Lab ID: 5025166037** Collected: 04/09/09 16:31 Received: 04/10/09 16:00 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		04/16/09 18:07	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/16/09 18:07	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		04/16/09 18:07	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/16/09 18:07	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0420-S2(041009) **Lab ID: 5025166038** Collected: 04/10/09 09:04 Received: 04/10/09 16:00 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		04/16/09 18:43	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 18:43	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 18:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 18:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 18:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 18:43	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 18:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 18:43	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 18:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 18:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 18:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 18:43	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 18:43	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 18:43	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 18:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 18:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 18:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 18:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 18:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 18:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 18:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 18:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 18:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 18:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 18:43	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 18:43	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 18:43	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 18:43	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 18:43	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 18:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 18:43	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 18:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 18:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 18:43	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 18:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 18:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 18:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 18:43	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 18:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 18:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 18:43	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 18:43	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0420-S2(041009) **Lab ID: 5025166038** Collected: 04/10/09 09:04 Received: 04/10/09 16:00 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		04/16/09 18:43	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/16/09 18:43	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		04/16/09 18:43	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/16/09 18:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-3-9-S2(041009) **Lab ID: 5025166039** Collected: 04/10/09 09:46 Received: 04/10/09 16:00 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		04/16/09 19:18	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 19:18	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 19:18	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 19:18	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 19:18	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 19:18	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 19:18	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 19:18	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 19:18	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 19:18	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 19:18	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 19:18	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 19:18	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 19:18	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 19:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 19:18	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:18	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 19:18	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 19:18	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 19:18	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 19:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 19:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 19:18	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 19:18	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 19:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 19:18	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 19:18	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 19:18	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 19:18	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 19:18	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 19:18	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 19:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 19:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 19:18	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 19:18	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 19:18	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 19:18	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 19:18	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 19:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 19:18	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 19:18	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 19:18	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 19:18	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 19:18	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-3-9-S2(041009) **Lab ID: 5025166039** Collected: 04/10/09 09:46 Received: 04/10/09 16:00 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		04/16/09 19:18	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/16/09 19:18	1868-53-7	
4-Bromofluorobenzene (S)	91	%	70-126	1		04/16/09 19:18	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/16/09 19:18	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-23-S2(041009) **Lab ID: 5025166040** Collected: 04/10/09 10:29 Received: 04/10/09 16:00 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		04/16/09 19:54	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 19:54	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 19:54	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 19:54	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 19:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 19:54	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 19:54	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 19:54	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 19:54	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 19:54	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 19:54	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 19:54	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 19:54	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 19:54	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 19:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 19:54	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 19:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 19:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 19:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 19:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 19:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 19:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 19:54	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 19:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 19:54	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 19:54	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 19:54	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 19:54	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 19:54	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 19:54	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 19:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 19:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 19:54	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 19:54	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 19:54	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 19:54	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 19:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 19:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 19:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 19:54	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 19:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 19:54	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 19:54	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 19:54	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-23-S2(041009) **Lab ID: 5025166040** Collected: 04/10/09 10:29 Received: 04/10/09 16:00 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		04/16/09 19:54	1330-20-7	
Dibromofluoromethane (S)	109	%	80-123	1		04/16/09 19:54	1868-53-7	
4-Bromofluorobenzene (S)	92	%	70-126	1		04/16/09 19:54	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/16/09 19:54	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-31-S2(041009) **Lab ID: 5025166041** Collected: 04/10/09 11:37 Received: 04/10/09 16:00 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		04/16/09 20:30	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 20:30	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 20:30	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 20:30	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 20:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 20:30	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 20:30	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 20:30	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 20:30	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 20:30	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 20:30	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 20:30	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 20:30	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 20:30	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 20:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 20:30	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 20:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 20:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 20:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 20:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 20:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 20:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 20:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 20:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 20:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 20:30	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 20:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 20:30	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 20:30	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 20:30	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 20:30	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 20:30	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 20:30	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 20:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 20:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 20:30	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 20:30	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 20:30	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 20:30	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 20:30	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 20:30	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 20:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 20:30	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 20:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 20:30	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 20:30	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 20:30	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-31-S2(041009) **Lab ID: 5025166041** Collected: 04/10/09 11:37 Received: 04/10/09 16:00 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		04/16/09 20:30	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/16/09 20:30	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		04/16/09 20:30	460-00-4	
Toluene-d8 (S)	101	%	80-116	1		04/16/09 20:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0116-S2(041009) **Lab ID: 5025166042** Collected: 04/10/09 12:28 Received: 04/10/09 16:00 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		04/17/09 01:55	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/09 01:55	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/09 01:55	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/09 01:55	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/09 01:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/09 01:55	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/09 01:55	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/09 01:55	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/09 01:55	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/09 01:55	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/09 01:55	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/09 01:55	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/09 01:55	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/17/09 01:55	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/09 01:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/09 01:55	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 01:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 01:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 01:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/09 01:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/09 01:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/09 01:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/09 01:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 01:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 01:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/09 01:55	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 01:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 01:55	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/09 01:55	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/09 01:55	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/09 01:55	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/09 01:55	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/17/09 01:55	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/17/09 01:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/09 01:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/09 01:55	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/09 01:55	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/09 01:55	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/09 01:55	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/09 01:55	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/09 01:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/09 01:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/09 01:55	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/09 01:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/09 01:55	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/09 01:55	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/09 01:55	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0116-S2(041009) **Lab ID: 5025166042** Collected: 04/10/09 12:28 Received: 04/10/09 16:00 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		04/17/09 01:55	1330-20-7	
Dibromofluoromethane (S)	107	%	80-123	1		04/17/09 01:55	1868-53-7	
4-Bromofluorobenzene (S)	93	%	70-126	1		04/17/09 01:55	460-00-4	
Toluene-d8 (S)	98	%	80-116	1		04/17/09 01:55	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0426-S2(041009) **Lab ID: 5025166043** Collected: 04/10/09 13:29 Received: 04/10/09 16:00 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		04/17/09 02:31	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/09 02:31	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/09 02:31	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/09 02:31	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/09 02:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/09 02:31	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/09 02:31	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/09 02:31	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/09 02:31	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/09 02:31	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/09 02:31	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/09 02:31	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/09 02:31	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/17/09 02:31	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/09 02:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/09 02:31	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 02:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 02:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 02:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/09 02:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/09 02:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/09 02:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/09 02:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 02:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 02:31	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/09 02:31	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 02:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 02:31	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/09 02:31	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/09 02:31	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/09 02:31	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/09 02:31	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/17/09 02:31	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/17/09 02:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/09 02:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/09 02:31	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/09 02:31	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/09 02:31	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/17/09 02:31	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/09 02:31	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/09 02:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/09 02:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/09 02:31	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/17/09 02:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/09 02:31	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/09 02:31	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/09 02:31	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-0426-S2(041009) **Lab ID: 5025166043** Collected: 04/10/09 13:29 Received: 04/10/09 16:00 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		04/17/09 02:31	1330-20-7	
Dibromofluoromethane (S)	108	%	80-123	1		04/17/09 02:31	1868-53-7	
4-Bromofluorobenzene (S)	95	%	70-126	1		04/17/09 02:31	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/17/09 02:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-S2A-0501(041009) **Lab ID: 5025166044** Collected: 04/10/09 14:40 Received: 04/10/09 16:00 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		04/17/09 03:07	67-64-1	
Benzene	ND	ug/L	5.0	1		04/17/09 03:07	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/17/09 03:07	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/17/09 03:07	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/17/09 03:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/17/09 03:07	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/17/09 03:07	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/17/09 03:07	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/17/09 03:07	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/17/09 03:07	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/17/09 03:07	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/17/09 03:07	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/17/09 03:07	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/17/09 03:07	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/17/09 03:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/17/09 03:07	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 03:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 03:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/17/09 03:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/17/09 03:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/17/09 03:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/17/09 03:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/17/09 03:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 03:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/17/09 03:07	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/17/09 03:07	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 03:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/17/09 03:07	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/17/09 03:07	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/17/09 03:07	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/17/09 03:07	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/17/09 03:07	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/17/09 03:07	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/17/09 03:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/17/09 03:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/17/09 03:07	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/17/09 03:07	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/17/09 03:07	79-34-5	
Tetrachloroethene	**1050**	ug/L	125	25		04/17/09 12:54	127-18-4	
Toluene	ND	ug/L	5.0	1		04/17/09 03:07	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/17/09 03:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/17/09 03:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/17/09 03:07	79-00-5	
Trichloroethene	**6.7**	ug/L	5.0	1		04/17/09 03:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/17/09 03:07	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/17/09 03:07	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/17/09 03:07	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Sample: MW-S2A-0501(041009) **Lab ID: 5025166044** Collected: 04/10/09 14:40 Received: 04/10/09 16:00 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		04/17/09 03:07	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		04/17/09 03:07	1868-53-7	
4-Bromofluorobenzene (S)	89	%	70-126	1		04/17/09 03:07	460-00-4	
Toluene-d8 (S)	95	%	80-116	1		04/17/09 03:07	2037-26-5	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

QC Batch: MPRP/4238 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 5025166014, 5025166015, 5025166019, 5025166020, 5025166021, 5025166022

METHOD BLANK: 286084 Matrix: Water
Associated Lab Samples: 5025166014, 5025166015, 5025166019, 5025166020, 5025166021, 5025166022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	ND	5.0	04/13/09 10:22	
Lead	ug/L	ND	10.0	04/13/09 10:22	

LABORATORY CONTROL SAMPLE: 286085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	1130	113	80-120	
Lead	ug/L	1000	1060	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286086 286087

Parameter	Units	5025166014 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	1040	106	104	75-125	2	20	
Lead	ug/L	ND	1000	1000	1060	1050	105	104	75-125	.9	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286088 286089

Parameter	Units	5025166015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	28.2	1000	1000	1070	1080	105	106	75-125	.9	20	
Lead	ug/L	ND	1000	1000	1050	1060	105	106	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286090 286091

Parameter	Units	5025171005 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	1040	106	104	75-125	2	20	
Lead	ug/L	ND	1000	1000	1070	1050	106	104	75-125	2	20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

QC Batch: OEXT/12552 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 5025166034, 5025166035, 5025166036

METHOD BLANK: 286984 Matrix: Water
Associated Lab Samples: 5025166034, 5025166035, 5025166036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	ND	5.0	04/16/09 11:51	
2,4-Dinitrotoluene	ug/L	ND	5.0	04/16/09 11:51	
2,6-Dinitrotoluene	ug/L	ND	5.0	04/16/09 11:51	
2-Chloronaphthalene	ug/L	ND	5.0	04/16/09 11:51	
2-Methylnaphthalene	ug/L	ND	5.0	04/16/09 11:51	
2-Nitroaniline	ug/L	ND	20.0	04/16/09 11:51	
3,3'-Dichlorobenzidine	ug/L	ND	5.0	04/16/09 11:51	
3-Nitroaniline	ug/L	ND	20.0	04/16/09 11:51	
4-Bromophenylphenyl ether	ug/L	ND	5.0	04/16/09 11:51	
4-Chloroaniline	ug/L	ND	10.0	04/16/09 11:51	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	04/16/09 11:51	
4-Nitroaniline	ug/L	ND	20.0	04/16/09 11:51	
Acenaphthene	ug/L	ND	5.0	04/16/09 11:51	
Acenaphthylene	ug/L	ND	5.0	04/16/09 11:51	
Acetophenone	ug/L	ND	5.0	04/16/09 11:51	
Anthracene	ug/L	ND	5.0	04/16/09 11:51	
Atrazine	ug/L	ND	5.0	04/16/09 11:51	
Benzaldehyde	ug/L	ND	5.0	04/16/09 11:51	
Benzo(a)anthracene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(a)pyrene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(b)fluoranthene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(g,h,i)perylene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(k)fluoranthene	ug/L	ND	5.0	04/16/09 11:51	
Biphenyl (Diphenyl)	ug/L	ND	5.0	04/16/09 11:51	
bis(2-Chloroethoxy)methane	ug/L	ND	5.0	04/16/09 11:51	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	04/16/09 11:51	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	04/16/09 11:51	
Butylbenzylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Caprolactam	ug/L	ND	5.0	04/16/09 11:51	
Carbazole	ug/L	ND	5.0	04/16/09 11:51	
Chrysene	ug/L	ND	5.0	04/16/09 11:51	
Di-n-butylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Di-n-octylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Dibenz(a,h)anthracene	ug/L	ND	5.0	04/16/09 11:51	
Dibenzofuran	ug/L	ND	5.0	04/16/09 11:51	
Diethylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Dimethylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Fluoranthene	ug/L	ND	5.0	04/16/09 11:51	
Fluorene	ug/L	ND	5.0	04/16/09 11:51	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/16/09 11:51	
Hexachlorobenzene	ug/L	ND	5.0	04/16/09 11:51	
Hexachlorocyclopentadiene	ug/L	ND	25.0	04/16/09 11:51	
Hexachloroethane	ug/L	ND	5.0	04/16/09 11:51	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

METHOD BLANK: 286984 Matrix: Water

Associated Lab Samples: 5025166034, 5025166035, 5025166036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	04/16/09 11:51	
Isophorone	ug/L	ND	5.0	04/16/09 11:51	
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	04/16/09 11:51	
N-Nitrosodiphenylamine	ug/L	ND	5.0	04/16/09 11:51	
Naphthalene	ug/L	ND	5.0	04/16/09 11:51	
Nitrobenzene	ug/L	ND	5.0	04/16/09 11:51	
Phenanthrene	ug/L	ND	5.0	04/16/09 11:51	
Pyrene	ug/L	ND	5.0	04/16/09 11:51	
2,4,6-Tribromophenol (S)	%	81	26-125	04/16/09 11:51	
2-Fluorobiphenyl (S)	%	95	31-114	04/16/09 11:51	
2-Fluorophenol (S)	%	59	13-100	04/16/09 11:51	
Nitrobenzene-d5 (S)	%	92	40-112	04/16/09 11:51	
Phenol-d6 (S)	%	37	10-100	04/16/09 11:51	
Terphenyl-d14 (S)	%	87	10-116	04/16/09 11:51	

LABORATORY CONTROL SAMPLE: 286985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	100	78.9	79	50-150	
2,4-Dinitrotoluene	ug/L	100	91.7	92	39-129	
2,6-Dinitrotoluene	ug/L	100	90.6	91	45-143	
2-Chloronaphthalene	ug/L	100	83.7	84	33-136	
2-Methylnaphthalene	ug/L	100	79.0	79	34-112	
2-Nitroaniline	ug/L	100	90.3	90	44-136	
3,3'-Dichlorobenzidine	ug/L	100	135	135	15-133	L0
3-Nitroaniline	ug/L	100	86.4	86	36-111	
4-Bromophenylphenyl ether	ug/L	100	89.1	89	25-145	
4-Chloroaniline	ug/L	100	47.3	47	10-139	
4-Chlorophenylphenyl ether	ug/L	100	89.3	89	46-132	
4-Nitroaniline	ug/L	100	83.1	83	34-162	
Acenaphthene	ug/L	100	89.1	89	40-116	
Acenaphthylene	ug/L	100	86.8	87	40-117	
Acetophenone	ug/L	100	81.0	81	50-150	
Anthracene	ug/L	100	92.7	93	43-128	
Atrazine	ug/L	100	126	126	50-150	
Benzaldehyde	ug/L	100	156	156	50-150	L0
Benzo(a)anthracene	ug/L	100	98.4	98	51-120	
Benzo(a)pyrene	ug/L	100	91.6	92	36-132	
Benzo(b)fluoranthene	ug/L	100	95.8	96	37-130	
Benzo(g,h,i)perylene	ug/L	100	99.2	99	30-130	
Benzo(k)fluoranthene	ug/L	100	81.9	82	26-143	
Biphenyl (Diphenyl)	ug/L	100	85.8	86	50-150	
bis(2-Chloroethoxy)methane	ug/L	100	86.4	86	39-132	
bis(2-Chloroethyl) ether	ug/L	100	84.0	84	35-122	
bis(2-Ethylhexyl)phthalate	ug/L	100	86.1	86	51-149	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

LABORATORY CONTROL SAMPLE: 286985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Butylbenzylphthalate	ug/L	100	86.5	86	47-148	
Caprolactam	ug/L	100	23.6	24	50-150	L0
Carbazole	ug/L	100	91.6	92	35-159	
Chrysene	ug/L	100	92.9	93	45-129	
Di-n-butylphthalate	ug/L	100	88.7	89	40-156	
Di-n-octylphthalate	ug/L	100	83.7	84	54-153	
Dibenz(a,h)anthracene	ug/L	100	99.8	100	30-129	
Dibenzofuran	ug/L	100	86.1	86	43-138	
Diethylphthalate	ug/L	100	88.2	88	51-144	
Dimethylphthalate	ug/L	100	90.1	90	46-140	
Fluoranthene	ug/L	100	91.7	92	47-126	
Fluorene	ug/L	100	88.4	88	42-121	
Hexachloro-1,3-butadiene	ug/L	100	71.1	71	14-118	
Hexachlorobenzene	ug/L	100	79.1	79	19-138	
Hexachlorocyclopentadiene	ug/L	100	62.9	63	10-120	
Hexachloroethane	ug/L	100	62.1	62	10-114	
Indeno(1,2,3-cd)pyrene	ug/L	100	102	102	30-129	
Isophorone	ug/L	100	88.9	89	39-131	
N-Nitroso-di-n-propylamine	ug/L	100	79.2	79	35-129	
N-Nitrosodiphenylamine	ug/L	100	115	115	28-146	
Naphthalene	ug/L	100	79.7	80	31-118	
Nitrobenzene	ug/L	100	84.6	85	37-122	
Phenanthrene	ug/L	100	94.0	94	45-124	
Pyrene	ug/L	100	94.7	95	44-126	
2,4,6-Tribromophenol (S)	%			81	26-125	
2-Fluorobiphenyl (S)	%			87	31-114	
2-Fluorophenol (S)	%			59	13-100	
Nitrobenzene-d5 (S)	%			89	40-112	
Phenol-d6 (S)	%			38	10-100	
Terphenyl-d14 (S)	%			84	10-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286986 286987

Parameter	Units	5025166036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/L	ND	238	192	189	149	79	78	50-150	24	20	R1
2,4-Dinitrotoluene	ug/L	ND	238	192	222	171	93	89	40-121	26	20	R1
2,6-Dinitrotoluene	ug/L	ND	238	192	219	173	92	90	33-135	24	20	R1
2-Chloronaphthalene	ug/L	ND	238	192	214	167	90	87	23-133	25	20	R1
2-Methylnaphthalene	ug/L	ND	238	192	199	157	84	82	29-122	24	20	R1
2-Nitroaniline	ug/L	ND	238	192	213	170	89	88	31-126	23	20	R1
3,3'-Dichlorobenzidine	ug/L	ND	238	192	322	258	135	134	10-120	22	20	M0,R1
3-Nitroaniline	ug/L	ND	238	192	197	158	83	82	19-102	22	20	R1
4-Bromophenylphenyl ether	ug/L	ND	238	192	226	176	95	92	26-140	25	20	R1
4-Chloroaniline	ug/L	ND	238	192	98.1	79.2	41	41	10-120	21	20	R1
4-Chlorophenylphenyl ether	ug/L	ND	238	192	221	175	93	91	37-123	24	20	R1
4-Nitroaniline	ug/L	ND	238	192	196	155	82	80	10-173	24	20	R1

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286986 286987

Parameter	Units	5025166036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	238	192	222	172	93	90	39-116	25	20	R1
Acenaphthylene	ug/L	ND	238	192	217	170	91	88	38-120	24	20	R1
Acetophenone	ug/L	ND	238	192	191	152	80	79	50-150	23	20	R1
Anthracene	ug/L	ND	238	192	230	179	97	93	39-130	25	20	R1
Atrazine	ug/L	ND	238	192	303	240	127	125	50-150	23	20	R1
Benzaldehyde	ug/L	ND	238	192	369	293	155	152	50-150	23	20	M0,R1
Benzo(a)anthracene	ug/L	ND	238	192	249	194	105	101	31-116	25	20	R1
Benzo(a)pyrene	ug/L	ND	238	192	224	176	94	92	10-106	24	20	R1
Benzo(b)fluoranthene	ug/L	ND	238	192	231	181	97	94	10-110	24	20	R1
Benzo(g,h,i)perylene	ug/L	ND	238	192	241	189	101	98	10-120	24	20	R1
Benzo(k)fluoranthene	ug/L	ND	238	192	210	160	88	83	10-114	27	20	R1
Biphenyl (Diphenyl)	ug/L	ND	238	192	219	169	92	88	50-150	26	20	R1
bis(2-Chloroethoxy)methane	ug/L	ND	238	192	205	164	86	85	33-123	22	20	R1
bis(2-Chloroethyl) ether	ug/L	ND	238	192	200	157	84	82	10-136	24	20	R1
bis(2-Ethylhexyl)phthalate	ug/L	ND	238	192	213	168	89	88	49-129	23	20	R1
Butylbenzylphthalate	ug/L	ND	238	192	220	170	92	88	40-136	26	20	R1
Caprolactam	ug/L	ND	238	192	102	70.6	43	37	50-150	37	20	M0,R1
Carbazole	ug/L	ND	238	192	219	174	92	91	39-145	23	20	R1
Chrysene	ug/L	ND	238	192	231	181	97	94	26-121	24	20	R1
Di-n-butylphthalate	ug/L	ND	238	192	215	171	90	89	11-162	22	20	R1
Di-n-octylphthalate	ug/L	ND	238	192	208	162	87	84	46-142	25	20	R1
Dibenz(a,h)anthracene	ug/L	ND	238	192	251	192	105	100	10-120	26	20	R1
Dibenzofuran	ug/L	ND	238	192	214	166	90	86	22-136	25	20	R1
Diethylphthalate	ug/L	ND	238	192	212	164	89	85	36-137	25	20	R1
Dimethylphthalate	ug/L	ND	238	192	211	168	89	87	36-134	23	20	R1
Fluoranthene	ug/L	ND	238	192	227	176	95	91	41-126	25	20	R1
Fluorene	ug/L	ND	238	192	220	173	93	90	42-121	24	20	R1
Hexachloro-1,3-butadiene	ug/L	ND	238	192	205	156	86	81	22-115	27	20	R1
Hexachlorobenzene	ug/L	ND	238	192	194	151	82	78	24-119	25	20	R1
Hexachlorocyclopentadiene	ug/L	ND	238	192	170	144	71	75	14-120	16	20	R1
Hexachloroethane	ug/L	ND	238	192	165	130	69	67	12-116	24	20	R1
Indeno(1,2,3-cd)pyrene	ug/L	ND	238	192	254	195	107	101	10-120	26	20	R1
Isophorone	ug/L	ND	238	192	208	166	87	86	34-124	22	20	R1
N-Nitroso-di-n-propylamine	ug/L	ND	238	192	188	148	79	77	38-114	23	20	R1
N-Nitrosodiphenylamine	ug/L	ND	238	192	282	217	118	113	33-136	26	20	R1
Naphthalene	ug/L	ND	238	192	206	160	86	83	28-126	25	20	R1
Nitrobenzene	ug/L	ND	238	192	204	166	86	86	37-122	21	20	R1
Phenanthrene	ug/L	ND	238	192	231	181	97	94	43-126	24	20	R1
Pyrene	ug/L	ND	238	192	229	184	96	96	42-121	22	20	R1
2,4,6-Tribromophenol (S)	%						83	81	26-125		20	R1
2-Fluorobiphenyl (S)	%						93	89	31-114		20	R1
2-Fluorophenol (S)	%						79	73	13-100		20	R1
Nitrobenzene-d5 (S)	%						90	89	40-112		20	R1
Phenol-d6 (S)	%						63	56	10-100		20	R1
Terphenyl-d14 (S)	%						85	82	10-116		20	R1

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

QC Batch: MSV/15674 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025166015, 5025166016, 5025166017, 5025166018, 5025166023, 5025166024, 5025166026, 5025166027

METHOD BLANK: 287388 Matrix: Water
Associated Lab Samples: 5025166015, 5025166016, 5025166017, 5025166018, 5025166023, 5025166024, 5025166026, 5025166027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/15/09 12:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/15/09 12:20	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/15/09 12:20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/15/09 12:20	
1,1-Dichloroethane	ug/L	ND	5.0	04/15/09 12:20	
1,1-Dichloroethene	ug/L	ND	5.0	04/15/09 12:20	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/15/09 12:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/15/09 12:20	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/15/09 12:20	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/15/09 12:20	
1,2-Dichloroethane	ug/L	ND	5.0	04/15/09 12:20	
1,2-Dichloropropane	ug/L	ND	5.0	04/15/09 12:20	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/15/09 12:20	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/15/09 12:20	
2-Butanone (MEK)	ug/L	ND	25.0	04/15/09 12:20	
2-Hexanone	ug/L	ND	25.0	04/15/09 12:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/15/09 12:20	
Acetone	ug/L	ND	100	04/15/09 12:20	
Benzene	ug/L	ND	5.0	04/15/09 12:20	
Bromodichloromethane	ug/L	ND	5.0	04/15/09 12:20	
Bromoform	ug/L	ND	5.0	04/15/09 12:20	
Bromomethane	ug/L	ND	5.0	04/15/09 12:20	
Carbon disulfide	ug/L	ND	10.0	04/15/09 12:20	
Carbon tetrachloride	ug/L	ND	5.0	04/15/09 12:20	
Chlorobenzene	ug/L	ND	5.0	04/15/09 12:20	
Chloroethane	ug/L	ND	5.0	04/15/09 12:20	
Chloroform	ug/L	ND	5.0	04/15/09 12:20	
Chloromethane	ug/L	ND	5.0	04/15/09 12:20	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/15/09 12:20	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/15/09 12:20	
Cyclohexane	ug/L	ND	100	04/15/09 12:20	
Dibromochloromethane	ug/L	ND	5.0	04/15/09 12:20	
Dichlorodifluoromethane	ug/L	ND	5.0	04/15/09 12:20	
Ethylbenzene	ug/L	ND	5.0	04/15/09 12:20	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/15/09 12:20	
Methyl acetate	ug/L	ND	50.0	04/15/09 12:20	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/15/09 12:20	
Methylcyclohexane	ug/L	ND	50.0	04/15/09 12:20	
Methylene chloride	ug/L	ND	5.0	04/15/09 12:20	
Styrene	ug/L	ND	5.0	04/15/09 12:20	
Tetrachloroethene	ug/L	ND	5.0	04/15/09 12:20	
Toluene	ug/L	ND	5.0	04/15/09 12:20	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/15/09 12:20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

METHOD BLANK: 287388 Matrix: Water

Associated Lab Samples: 5025166015, 5025166016, 5025166017, 5025166018, 5025166023, 5025166024, 5025166026, 5025166027

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/15/09 12:20	
Trichloroethene	ug/L	ND	5.0	04/15/09 12:20	
Trichlorofluoromethane	ug/L	ND	5.0	04/15/09 12:20	
Vinyl chloride	ug/L	ND	2.0	04/15/09 12:20	
Xylene (Total)	ug/L	ND	10.0	04/15/09 12:20	
4-Bromofluorobenzene (S)	%	97	70-126	04/15/09 12:20	
Dibromofluoromethane (S)	%	109	80-123	04/15/09 12:20	
Toluene-d8 (S)	%	97	80-116	04/15/09 12:20	

LABORATORY CONTROL SAMPLE: 287389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	47.1	94	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	69-131	
1,1,2-Trichloroethane	ug/L	50	54.2	108	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.2	112	70-130	
1,1-Dichloroethane	ug/L	50	44.3	89	67-133	
1,1-Dichloroethene	ug/L	50	47.6	95	63-128	
1,2,4-Trichlorobenzene	ug/L	50	47.2	94	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.1	90	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	48.3	97	75-126	
1,2-Dichlorobenzene	ug/L	50	50.6	101	76-124	
1,2-Dichloroethane	ug/L	50	47.8	96	69-139	
1,2-Dichloropropane	ug/L	50	49.2	98	76-129	
1,3-Dichlorobenzene	ug/L	50	50.6	101	76-125	
1,4-Dichlorobenzene	ug/L	50	44.3	89	75-122	
2-Butanone (MEK)	ug/L	250	388	155	47-189	
2-Hexanone	ug/L	250	388	155	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	244	97	61-135	
Acetone	ug/L	250	624	250	30-170	L0
Benzene	ug/L	50	47.8	96	78-127	
Bromodichloromethane	ug/L	50	50.1	100	69-133	
Bromoform	ug/L	50	46.2	92	60-127	
Bromomethane	ug/L	50	52.8	106	30-170	
Carbon disulfide	ug/L	100	89.7	90	58-152	
Carbon tetrachloride	ug/L	50	47.4	95	62-143	
Chlorobenzene	ug/L	50	50.2	100	75-123	
Chloroethane	ug/L	50	53.5	107	56-153	
Chloroform	ug/L	50	45.2	90	74-131	
Chloromethane	ug/L	50	50.1	100	35-147	
cis-1,2-Dichloroethene	ug/L	50	47.5	95	74-128	
cis-1,3-Dichloropropene	ug/L	50	43.8	88	58-123	
Cyclohexane	ug/L	50	50.9J	102	63-134	
Dibromochloromethane	ug/L	50	48.1	96	66-131	
Dichlorodifluoromethane	ug/L	50	47.5	95	30-170	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

LABORATORY CONTROL SAMPLE: 287389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	52.0	104	81-126	
Isopropylbenzene (Cumene)	ug/L	50	43.7	87	80-130	
Methyl acetate	ug/L	50	44.9J	90	30-170	
Methyl-tert-butyl ether	ug/L	100	91.3	91	66-147	
Methylcyclohexane	ug/L	50	48.1J	96	65-135	
Methylene chloride	ug/L	50	49.7	99	32-164	
Styrene	ug/L	50	47.3	95	74-128	
Tetrachloroethene	ug/L	50	44.3	89	60-119	
Toluene	ug/L	50	47.0	94	75-129	
trans-1,2-Dichloroethene	ug/L	50	48.7	97	71-126	
trans-1,3-Dichloropropene	ug/L	50	43.3	87	54-123	
Trichloroethene	ug/L	50	47.5	95	74-130	
Trichlorofluoromethane	ug/L	50	54.6	109	62-150	
Vinyl chloride	ug/L	50	49.3	99	55-141	
Xylene (Total)	ug/L	150	149	99	76-132	
4-Bromofluorobenzene (S)	%			101	70-126	
Dibromofluoromethane (S)	%			98	80-123	
Toluene-d8 (S)	%			101	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287390 287391

Parameter	Units	5025166015 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	42.3	46.9	85	94	64-143	10	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	55.0	55.1	110	110	64-142	.2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	58.4	58.1	117	116	71-143	.5	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	57.3	55.7	115	111	70-130	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	45.2	46.2	90	92	68-139	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	48.8	48.7	98	97	55-140	.1	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	50.9	51.3	102	103	28-140	.8	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.6	47.3	89	95	39-140	6	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.0	51.6	104	103	67-134	.8	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	53.9	54.4	108	109	48-137	.9	20	
1,2-Dichloroethane	ug/L	ND	50	50	53.7	52.5	107	105	63-148	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	53.4	52.8	107	106	70-136	1	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	53.9	54.3	108	109	40-143	.7	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	46.9	48.1	94	96	38-142	3	20	
2-Butanone (MEK)	ug/L	ND	250	250	250	256	100	102	62-132	2	20	
2-Hexanone	ug/L	ND	250	250	252	252	101	101	61-141	.002	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	249	253	100	101	57-135	1	20	
Acetone	ug/L	ND	250	250	248	239	99	96	30-170	4	20	
Benzene	ug/L	ND	50	50	50.8	51.4	102	103	63-141	1	20	
Bromodichloromethane	ug/L	ND	50	50	52.1	53.9	104	108	63-135	3	20	
Bromoform	ug/L	ND	50	50	46.6	48.4	93	97	58-124	4	20	
Bromomethane	ug/L	ND	50	50	55.0	54.8	110	110	30-170	.3	20	
Carbon disulfide	ug/L	ND	100	100	93.7	92.6	94	93	46-162	1	20	
Carbon tetrachloride	ug/L	ND	50	50	43.0	46.5	86	93	54-145	8	20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287390 287391

Parameter	Units	5025166015 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	54.5	54.5	108	108	56-133	.002	20	
Chloroethane	ug/L	ND	50	50	55.1	53.9	110	108	54-157	2	20	
Chloroform	ug/L	ND	50	50	47.4	47.8	95	96	67-134	.8	20	
Chloromethane	ug/L	ND	50	50	51.8	51.8	104	104	36-137	.08	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.4	51.2	101	102	65-132	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.3	45.2	85	90	46-121	7	20	
Cyclohexane	ug/L	ND	50	50	54.1J	54.4J	106	107	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	49.7	51.6	99	103	64-124	4	20	
Dichlorodifluoromethane	ug/L	ND	50	50	46.7	45.9	93	92	30-163	2	20	
Ethylbenzene	ug/L	ND	50	50	53.4	53.2	107	106	44-151	.3	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	44.7	44.9	89	90	40-148	.5	20	
Methyl acetate	ug/L	ND	50	50	44.4J	48.9J	89	98	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	92.6	99.9	93	100	52-156	8	20	
Methylcyclohexane	ug/L	ND	50	50	48.8J	49.9J	98	100	44-158		20	
Methylene chloride	ug/L	ND	50	50	52.7	52.4	105	105	46-154	.7	20	
Styrene	ug/L	ND	50	50	45.8	46.1	92	92	38-141	.6	20	
Tetrachloroethene	ug/L	ND	50	50	45.8	45.7	92	91	25-146	.1	20	
Toluene	ug/L	ND	50	50	49.1	49.2	98	98	59-142	.3	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.2	50.8	100	102	60-137	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	42.0	44.7	84	89	43-117	6	20	
Trichloroethene	ug/L	ND	50	50	50.4	50.3	101	101	61-137	.1	20	
Trichlorofluoromethane	ug/L	ND	50	50	55.0	55.1	110	110	53-162	.07	20	
Vinyl chloride	ug/L	ND	50	50	50.5	50.7	101	101	51-144	.4	20	
Xylene (Total)	ug/L	ND	150	150	156	157	104	104	44-152	.2	20	
4-Bromofluorobenzene (S)	%						102	100	70-126		20	
Dibromofluoromethane (S)	%						99	97	80-123		20	
Toluene-d8 (S)	%						102	100	80-116		20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

QC Batch: MSV/15675 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025166001, 5025166002, 5025166003, 5025166004, 5025166005, 5025166006, 5025166007, 5025166008, 5025166009, 5025166010, 5025166011, 5025166012, 5025166013, 5025166014

METHOD BLANK: 287392 Matrix: Water
Associated Lab Samples: 5025166001, 5025166002, 5025166003, 5025166004, 5025166005, 5025166006, 5025166007, 5025166008, 5025166009, 5025166010, 5025166011, 5025166012, 5025166013, 5025166014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/15/09 12:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/15/09 12:39	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/15/09 12:39	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/15/09 12:39	
1,1-Dichloroethane	ug/L	ND	5.0	04/15/09 12:39	
1,1-Dichloroethene	ug/L	ND	5.0	04/15/09 12:39	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/15/09 12:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/15/09 12:39	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/15/09 12:39	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/15/09 12:39	
1,2-Dichloroethane	ug/L	ND	5.0	04/15/09 12:39	
1,2-Dichloropropane	ug/L	ND	5.0	04/15/09 12:39	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/15/09 12:39	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/15/09 12:39	
2-Butanone (MEK)	ug/L	ND	25.0	04/15/09 12:39	
2-Hexanone	ug/L	ND	25.0	04/15/09 12:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/15/09 12:39	
Acetone	ug/L	ND	100	04/15/09 12:39	
Benzene	ug/L	ND	5.0	04/15/09 12:39	
Bromodichloromethane	ug/L	ND	5.0	04/15/09 12:39	
Bromoform	ug/L	ND	5.0	04/15/09 12:39	
Bromomethane	ug/L	ND	5.0	04/15/09 12:39	
Carbon disulfide	ug/L	ND	10.0	04/15/09 12:39	
Carbon tetrachloride	ug/L	ND	5.0	04/15/09 12:39	
Chlorobenzene	ug/L	ND	5.0	04/15/09 12:39	
Chloroethane	ug/L	ND	5.0	04/15/09 12:39	
Chloroform	ug/L	ND	5.0	04/15/09 12:39	
Chloromethane	ug/L	ND	5.0	04/15/09 12:39	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/15/09 12:39	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/15/09 12:39	
Cyclohexane	ug/L	ND	100	04/15/09 12:39	
Dibromochloromethane	ug/L	ND	5.0	04/15/09 12:39	
Dichlorodifluoromethane	ug/L	ND	5.0	04/15/09 12:39	
Ethylbenzene	ug/L	ND	5.0	04/15/09 12:39	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/15/09 12:39	
Methyl acetate	ug/L	ND	50.0	04/15/09 12:39	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/15/09 12:39	
Methylcyclohexane	ug/L	ND	50.0	04/15/09 12:39	
Methylene chloride	ug/L	ND	5.0	04/15/09 12:39	
Styrene	ug/L	ND	5.0	04/15/09 12:39	
Tetrachloroethene	ug/L	ND	5.0	04/15/09 12:39	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

METHOD BLANK: 287392 Matrix: Water

Associated Lab Samples: 5025166001, 5025166002, 5025166003, 5025166004, 5025166005, 5025166006, 5025166007, 5025166008, 5025166009, 5025166010, 5025166011, 5025166012, 5025166013, 5025166014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	04/15/09 12:39	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/15/09 12:39	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/15/09 12:39	
Trichloroethene	ug/L	ND	5.0	04/15/09 12:39	
Trichlorofluoromethane	ug/L	ND	5.0	04/15/09 12:39	
Vinyl chloride	ug/L	ND	2.0	04/15/09 12:39	
Xylene (Total)	ug/L	ND	10.0	04/15/09 12:39	
4-Bromofluorobenzene (S)	%	87	70-126	04/15/09 12:39	
Dibromofluoromethane (S)	%	107	80-123	04/15/09 12:39	
Toluene-d8 (S)	%	98	80-116	04/15/09 12:39	

LABORATORY CONTROL SAMPLE: 287393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.5	87	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	44.2	88	69-131	
1,1,2-Trichloroethane	ug/L	50	48.7	97	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	53.7	107	70-130	
1,1-Dichloroethane	ug/L	50	43.5	87	67-133	
1,1-Dichloroethene	ug/L	50	48.4	97	63-128	
1,2,4-Trichlorobenzene	ug/L	50	40.4	81	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	34.4	69	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	45.7	91	75-126	
1,2-Dichlorobenzene	ug/L	50	47.1	94	76-124	
1,2-Dichloroethane	ug/L	50	45.9	92	69-139	
1,2-Dichloropropane	ug/L	50	46.6	93	76-129	
1,3-Dichlorobenzene	ug/L	50	47.7	95	76-125	
1,4-Dichlorobenzene	ug/L	50	42.5	85	75-122	
2-Butanone (MEK)	ug/L	250	334	134	47-189	
2-Hexanone	ug/L	250	345	138	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	216	87	61-135	
Acetone	ug/L	250	575	230	30-170	L0
Benzene	ug/L	50	47.0	94	78-127	
Bromodichloromethane	ug/L	50	43.8	88	69-133	
Bromoform	ug/L	50	40.8	82	60-127	
Bromomethane	ug/L	50	57.0	114	30-170	
Carbon disulfide	ug/L	100	87.2	87	58-152	
Carbon tetrachloride	ug/L	50	43.8	88	62-143	
Chlorobenzene	ug/L	50	49.3	99	75-123	
Chloroethane	ug/L	50	52.1	104	56-153	
Chloroform	ug/L	50	44.5	89	74-131	
Chloromethane	ug/L	50	49.8	100	35-147	
cis-1,2-Dichloroethene	ug/L	50	44.6	89	74-128	
cis-1,3-Dichloropropene	ug/L	50	43.0	86	58-123	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

LABORATORY CONTROL SAMPLE: 287393

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	47.4J	95	63-134	
Dibromochloromethane	ug/L	50	45.7	91	66-131	
Dichlorodifluoromethane	ug/L	50	48.3	97	30-170	
Ethylbenzene	ug/L	50	48.4	97	81-126	
Isopropylbenzene (Cumene)	ug/L	50	49.4	99	80-130	
Methyl acetate	ug/L	50	83.5	167	30-170	
Methyl-tert-butyl ether	ug/L	100	87.9	88	66-147	
Methylcyclohexane	ug/L	50	44.5J	89	65-135	
Methylene chloride	ug/L	50	45.9	92	32-164	
Styrene	ug/L	50	46.1	92	74-128	
Tetrachloroethene	ug/L	50	44.1	88	60-119	
Toluene	ug/L	50	45.1	90	75-129	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	71-126	
trans-1,3-Dichloropropene	ug/L	50	41.4	83	54-123	
Trichloroethene	ug/L	50	44.8	90	74-130	
Trichlorofluoromethane	ug/L	50	58.4	117	62-150	
Vinyl chloride	ug/L	50	53.8	108	55-141	
Xylene (Total)	ug/L	150	144	96	76-132	
4-Bromofluorobenzene (S)	%			103	70-126	
Dibromofluoromethane (S)	%			98	80-123	
Toluene-d8 (S)	%			103	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287394 287395

Parameter	Units	5025166014 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	43.8	44.5	88	89	64-143	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	51.7	48.7	103	97	64-142	6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	54.2	52.2	108	104	71-143	4	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	60.4	59.5	121	119	70-130	1	20	
1,1-Dichloroethane	ug/L	ND	50	50	50.8	48.0	102	96	68-139	6	20	
1,1-Dichloroethene	ug/L	ND	50	50	51.4	50.8	103	102	55-140	1	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	42.8	41.7	86	83	28-140	3	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	37.6	35.6	75	71	39-140	6	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	48.8	47.6	98	95	67-134	3	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.7	51.7	105	103	48-137	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	52.3	49.9	105	100	63-148	5	20	
1,2-Dichloropropane	ug/L	ND	50	50	54.8	52.8	110	106	70-136	4	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	52.7	51.6	105	103	40-143	2	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.1	45.4	94	91	38-142	4	20	
2-Butanone (MEK)	ug/L	ND	250	250	227	213	91	85	62-132	7	20	
2-Hexanone	ug/L	ND	250	250	225	220	90	88	61-141	3	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	225	214	90	86	57-135	5	20	
Acetone	ug/L	ND	250	250	221	217	88	87	30-170	2	20	
Benzene	ug/L	ND	50	50	55.0	52.0	110	104	63-141	6	20	
Bromodichloromethane	ug/L	ND	50	50	50.2	47.9	100	96	63-135	5	20	
Bromoform	ug/L	ND	50	50	44.3	42.4	89	85	58-124	4	20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287394 287395

Parameter	Units	5025166014 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	58.0	57.0	116	114	30-170	2	20	
Carbon disulfide	ug/L	ND	100	100	93.4	91.9	93	92	46-162	2	20	
Carbon tetrachloride	ug/L	ND	50	50	44.6	45.9	89	92	54-145	3	20	
Chlorobenzene	ug/L	ND	50	50	57.1	53.8	114	108	56-133	6	20	
Chloroethane	ug/L	ND	50	50	54.4	54.2	109	108	54-157	.3	20	
Chloroform	ug/L	ND	50	50	52.1	49.3	104	99	67-134	5	20	
Chloromethane	ug/L	ND	50	50	52.2	51.6	104	103	36-137	1	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.7	49.3	103	99	65-132	5	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.4	42.1	85	84	46-121	.9	20	
Cyclohexane	ug/L	ND	50	50	52.4J	52J	105	104	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	49.8	48.4	100	97	64-124	3	20	
Dichlorodifluoromethane	ug/L	ND	50	50	50.0	49.3	100	99	30-163	1	20	
Ethylbenzene	ug/L	ND	50	50	54.4	51.5	109	103	44-151	6	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	55.1	53.3	110	107	40-148	3	20	
Methyl acetate	ug/L	ND	50	50	77.6	73.7	155	147	40-182	5	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	87.5	89.9	88	90	52-156	3	20	
Methylcyclohexane	ug/L	ND	50	50	51.0	49.4J	102	99	44-158		20	
Methylene chloride	ug/L	ND	50	50	53.0	53.5	106	107	46-154	.8	20	
Styrene	ug/L	ND	50	50	36.2	30.2	72	60	38-141	18	20	
Tetrachloroethene	ug/L	ND	50	50	49.2	46.6	98	93	25-146	6	20	
Toluene	ug/L	ND	50	50	52.0	48.8	104	98	59-142	6	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.1	52.2	108	104	60-137	4	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	40.5	40.1	81	80	43-117	1	20	
Trichloroethene	ug/L	ND	50	50	50.7	48.6	101	97	61-137	4	20	
Trichlorofluoromethane	ug/L	ND	50	50	60.2	59.9	120	120	53-162	.4	20	
Vinyl chloride	ug/L	ND	50	50	54.3	54.4	109	109	51-144	.2	20	
Xylene (Total)	ug/L	ND	150	150	153	145	102	97	44-152	5	20	
4-Bromofluorobenzene (S)	%						102	101	70-126		20	
Dibromofluoromethane (S)	%						99	100	80-123		20	
Toluene-d8 (S)	%						102	102	80-116		20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

QC Batch: MSV/15692 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025166025, 5025166028, 5025166029, 5025166030, 5025166031, 5025166032, 5025166033, 5025166037, 5025166038, 5025166039, 5025166040, 5025166041

METHOD BLANK: 287802 Matrix: Water
Associated Lab Samples: 5025166025, 5025166028, 5025166029, 5025166030, 5025166031, 5025166032, 5025166033, 5025166037, 5025166038, 5025166039, 5025166040, 5025166041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/16/09 12:08	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/16/09 12:08	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/16/09 12:08	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/16/09 12:08	
1,1-Dichloroethane	ug/L	ND	5.0	04/16/09 12:08	
1,1-Dichloroethene	ug/L	ND	5.0	04/16/09 12:08	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/16/09 12:08	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/16/09 12:08	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/16/09 12:08	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/16/09 12:08	
1,2-Dichloroethane	ug/L	ND	5.0	04/16/09 12:08	
1,2-Dichloropropane	ug/L	ND	5.0	04/16/09 12:08	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/16/09 12:08	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/16/09 12:08	
2-Butanone (MEK)	ug/L	ND	25.0	04/16/09 12:08	
2-Hexanone	ug/L	ND	25.0	04/16/09 12:08	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/16/09 12:08	
Acetone	ug/L	ND	100	04/16/09 12:08	
Benzene	ug/L	ND	5.0	04/16/09 12:08	
Bromodichloromethane	ug/L	ND	5.0	04/16/09 12:08	
Bromoform	ug/L	ND	5.0	04/16/09 12:08	
Bromomethane	ug/L	ND	5.0	04/16/09 12:08	
Carbon disulfide	ug/L	ND	10.0	04/16/09 12:08	
Carbon tetrachloride	ug/L	ND	5.0	04/16/09 12:08	
Chlorobenzene	ug/L	ND	5.0	04/16/09 12:08	
Chloroethane	ug/L	ND	5.0	04/16/09 12:08	
Chloroform	ug/L	ND	5.0	04/16/09 12:08	
Chloromethane	ug/L	ND	5.0	04/16/09 12:08	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 12:08	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 12:08	
Cyclohexane	ug/L	ND	100	04/16/09 12:08	
Dibromochloromethane	ug/L	ND	5.0	04/16/09 12:08	
Dichlorodifluoromethane	ug/L	ND	5.0	04/16/09 12:08	
Ethylbenzene	ug/L	ND	5.0	04/16/09 12:08	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/16/09 12:08	
Methyl acetate	ug/L	ND	50.0	04/16/09 12:08	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/16/09 12:08	
Methylcyclohexane	ug/L	ND	50.0	04/16/09 12:08	
Methylene chloride	ug/L	ND	5.0	04/16/09 12:08	
Styrene	ug/L	ND	5.0	04/16/09 12:08	
Tetrachloroethene	ug/L	ND	5.0	04/16/09 12:08	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

METHOD BLANK: 287802 Matrix: Water

Associated Lab Samples: 5025166025, 5025166028, 5025166029, 5025166030, 5025166031, 5025166032, 5025166033, 5025166037, 5025166038, 5025166039, 5025166040, 5025166041

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Toluene	ug/L	ND	5.0	04/16/09 12:08	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 12:08	
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 12:08	
Trichloroethene	ug/L	ND	5.0	04/16/09 12:08	
Trichlorofluoromethane	ug/L	ND	5.0	04/16/09 12:08	
Vinyl chloride	ug/L	ND	2.0	04/16/09 12:08	
Xylene (Total)	ug/L	ND	10.0	04/16/09 12:08	
4-Bromofluorobenzene (S)	%	99	70-126	04/16/09 12:08	
Dibromofluoromethane (S)	%	105	80-123	04/16/09 12:08	
Toluene-d8 (S)	%	99	80-116	04/16/09 12:08	

LABORATORY CONTROL SAMPLE: 287803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.1	98	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	45.4	91	69-131	
1,1,2-Trichloroethane	ug/L	50	49.6	99	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.1	112	70-130	
1,1-Dichloroethane	ug/L	50	43.9	88	67-133	
1,1-Dichloroethene	ug/L	50	48.0	96	63-128	
1,2,4-Trichlorobenzene	ug/L	50	46.1	92	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	45.4	91	75-126	
1,2-Dichlorobenzene	ug/L	50	49.8	100	76-124	
1,2-Dichloroethane	ug/L	50	45.4	91	69-139	
1,2-Dichloropropane	ug/L	50	49.4	99	76-129	
1,3-Dichlorobenzene	ug/L	50	51.4	103	76-125	
1,4-Dichlorobenzene	ug/L	50	44.5	89	75-122	
2-Butanone (MEK)	ug/L	250	315	126	47-189	
2-Hexanone	ug/L	250	299	119	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	201	80	61-135	
Acetone	ug/L	250	475	190	30-170	L0
Benzene	ug/L	50	48.6	97	78-127	
Bromodichloromethane	ug/L	50	49.8	100	69-133	
Bromoform	ug/L	50	44.1	88	60-127	
Bromomethane	ug/L	50	53.3	107	30-170	
Carbon disulfide	ug/L	100	90.2	90	58-152	
Carbon tetrachloride	ug/L	50	49.2	98	62-143	
Chlorobenzene	ug/L	50	50.2	100	75-123	
Chloroethane	ug/L	50	52.8	106	56-153	
Chloroform	ug/L	50	45.7	91	74-131	
Chloromethane	ug/L	50	50.2	100	35-147	
cis-1,2-Dichloroethene	ug/L	50	47.5	95	74-128	
cis-1,3-Dichloropropene	ug/L	50	43.2	86	58-123	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

LABORATORY CONTROL SAMPLE: 287803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyclohexane	ug/L	50	52.5J	105	63-134	
Dibromochloromethane	ug/L	50	46.6	93	66-131	
Dichlorodifluoromethane	ug/L	50	45.0	90	30-170	
Ethylbenzene	ug/L	50	51.2	102	81-126	
Isopropylbenzene (Cumene)	ug/L	50	43.5	87	80-130	
Methyl acetate	ug/L	50	42.6J	85	30-170	
Methyl-tert-butyl ether	ug/L	100	87.4	87	66-147	
Methylcyclohexane	ug/L	50	47.9J	96	65-135	
Methylene chloride	ug/L	50	47.1	94	32-164	
Styrene	ug/L	50	46.0	92	74-128	
Tetrachloroethene	ug/L	50	44.2	88	60-119	
Toluene	ug/L	50	46.7	93	75-129	
trans-1,2-Dichloroethene	ug/L	50	49.5	99	71-126	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	54-123	
Trichloroethene	ug/L	50	47.7	95	74-130	
Trichlorofluoromethane	ug/L	50	52.4	105	62-150	
Vinyl chloride	ug/L	50	49.0	98	55-141	
Xylene (Total)	ug/L	150	151	101	76-132	
4-Bromofluorobenzene (S)	%			98	70-126	
Dibromofluoromethane (S)	%			97	80-123	
Toluene-d8 (S)	%			101	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287804 287805

Parameter	Units	5025166025 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	45.4	46.8	91	94	64-143	3	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.9	44.0	94	88	64-142	6	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	52.3	49.8	105	100	71-143	5	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	54.8	54.7	110	109	70-130	.3	20	
1,1-Dichloroethane	ug/L	ND	50	50	46.2	45.5	92	91	68-139	2	20	
1,1-Dichloroethene	ug/L	ND	50	50	47.8	46.8	96	94	55-140	2	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	42.5	42.2	85	84	28-140	.8	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	39.5	39.5	79	79	39-140	.09	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	46.6	44.8	93	90	67-134	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	51.6	50.2	103	100	48-137	3	20	
1,2-Dichloroethane	ug/L	ND	50	50	48.4	47.7	97	95	63-148	2	20	
1,2-Dichloropropane	ug/L	ND	50	50	50.4	51.5	101	103	70-136	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	51.8	50.7	104	101	40-143	2	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	45.2	44.5	90	89	38-142	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	204	207	82	83	62-132	1	20	
2-Hexanone	ug/L	ND	250	250	198	197	79	79	61-141	.7	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	200	195	80	78	57-135	3	20	
Acetone	ug/L	ND	250	250	168	171	67	68	30-170	1	20	
Benzene	ug/L	ND	50	50	51.4	50.7	103	101	63-141	1	20	
Bromodichloromethane	ug/L	ND	50	50	50.6	51.4	101	103	63-135	2	20	
Bromoform	ug/L	ND	50	50	43.3	40.2	87	80	58-124	7	20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287804 287805

Parameter	Units	5025166025 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	54.6	55.1	109	110	30-170	1	20	
Carbon disulfide	ug/L	ND	100	100	93.0	92.3	93	92	46-162	.8	20	
Carbon tetrachloride	ug/L	ND	50	50	45.8	46.8	92	94	54-145	2	20	
Chlorobenzene	ug/L	ND	50	50	52.6	52.1	105	104	56-133	1	20	
Chloroethane	ug/L	ND	50	50	53.6	54.3	107	109	54-157	1	20	
Chloroform	ug/L	ND	50	50	48.9	48.4	96	95	67-134	.9	20	
Chloromethane	ug/L	ND	50	50	50.9	51.3	102	103	36-137	.8	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.4	49.6	101	99	65-132	2	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	41.1	40.4	82	81	46-121	2	20	
Cyclohexane	ug/L	ND	50	50	50.7J	50.6J	101	101	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	46.4	44.5	93	89	64-124	4	20	
Dichlorodifluoromethane	ug/L	ND	50	50	41.2	42.0	82	84	30-163	2	20	
Ethylbenzene	ug/L	ND	50	50	53.9	51.8	108	104	44-151	4	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	41.6	39.6	83	79	40-148	5	20	
Methyl acetate	ug/L	ND	50	50	39.1J	41.8J	78	84	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	81.6	85.4	82	85	52-156	4	20	
Methylcyclohexane	ug/L	ND	50	50	47.1J	44.5J	94	89	44-158		20	
Methylene chloride	ug/L	ND	50	50	54.5	53.5	109	107	46-154	2	20	
Styrene	ug/L	ND	50	50	39.1	34.2	78	68	38-141	13	20	
Tetrachloroethene	ug/L	ND	50	50	44.1	41.2	88	82	25-146	7	20	
Toluene	ug/L	ND	50	50	49.4	46.7	98	93	59-142	6	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.9	50.2	102	100	60-137	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.4	39.2	79	78	43-117	.5	20	
Trichloroethene	ug/L	ND	50	50	50.8	49.2	102	98	61-137	3	20	
Trichlorofluoromethane	ug/L	ND	50	50	50.1	51.1	100	102	53-162	2	20	
Vinyl chloride	ug/L	ND	50	50	48.6	47.8	97	96	51-144	2	20	
Xylene (Total)	ug/L	ND	150	150	154	149	103	99	44-152	3	20	
4-Bromofluorobenzene (S)	%						98	102	70-126		20	
Dibromofluoromethane (S)	%						97	101	80-123		20	
Toluene-d8 (S)	%						103	101	80-116		20	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

QC Batch: MSV/15693 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025166036, 5025166042, 5025166043, 5025166044

METHOD BLANK: 287806 Matrix: Water
Associated Lab Samples: 5025166036, 5025166042, 5025166043, 5025166044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/16/09 23:31	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/16/09 23:31	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/16/09 23:31	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/16/09 23:31	
1,1-Dichloroethane	ug/L	ND	5.0	04/16/09 23:31	
1,1-Dichloroethene	ug/L	ND	5.0	04/16/09 23:31	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/16/09 23:31	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/16/09 23:31	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/16/09 23:31	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/16/09 23:31	
1,2-Dichloroethane	ug/L	ND	5.0	04/16/09 23:31	
1,2-Dichloropropane	ug/L	ND	5.0	04/16/09 23:31	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/16/09 23:31	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/16/09 23:31	
2-Butanone (MEK)	ug/L	ND	25.0	04/16/09 23:31	
2-Hexanone	ug/L	ND	25.0	04/16/09 23:31	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/16/09 23:31	
Acetone	ug/L	ND	100	04/16/09 23:31	
Benzene	ug/L	ND	5.0	04/16/09 23:31	
Bromodichloromethane	ug/L	ND	5.0	04/16/09 23:31	
Bromoform	ug/L	ND	5.0	04/16/09 23:31	
Bromomethane	ug/L	ND	5.0	04/16/09 23:31	
Carbon disulfide	ug/L	ND	10.0	04/16/09 23:31	
Carbon tetrachloride	ug/L	ND	5.0	04/16/09 23:31	
Chlorobenzene	ug/L	ND	5.0	04/16/09 23:31	
Chloroethane	ug/L	ND	5.0	04/16/09 23:31	
Chloroform	ug/L	ND	5.0	04/16/09 23:31	
Chloromethane	ug/L	ND	5.0	04/16/09 23:31	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 23:31	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 23:31	
Cyclohexane	ug/L	ND	100	04/16/09 23:31	
Dibromochloromethane	ug/L	ND	5.0	04/16/09 23:31	
Dichlorodifluoromethane	ug/L	ND	5.0	04/16/09 23:31	
Ethylbenzene	ug/L	ND	5.0	04/16/09 23:31	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/16/09 23:31	
Methyl acetate	ug/L	ND	50.0	04/16/09 23:31	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/16/09 23:31	
Methylcyclohexane	ug/L	ND	50.0	04/16/09 23:31	
Methylene chloride	ug/L	ND	5.0	04/16/09 23:31	
Styrene	ug/L	ND	5.0	04/16/09 23:31	
Tetrachloroethene	ug/L	ND	5.0	04/16/09 23:31	
Toluene	ug/L	ND	5.0	04/16/09 23:31	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 23:31	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

METHOD BLANK: 287806 Matrix: Water

Associated Lab Samples: 5025166036, 5025166042, 5025166043, 5025166044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 23:31	
Trichloroethene	ug/L	ND	5.0	04/16/09 23:31	
Trichlorofluoromethane	ug/L	ND	5.0	04/16/09 23:31	
Vinyl chloride	ug/L	ND	2.0	04/16/09 23:31	
Xylene (Total)	ug/L	ND	10.0	04/16/09 23:31	
4-Bromofluorobenzene (S)	%	93	70-126	04/16/09 23:31	
Dibromofluoromethane (S)	%	108	80-123	04/16/09 23:31	
Toluene-d8 (S)	%	97	80-116	04/16/09 23:31	

LABORATORY CONTROL SAMPLE: 287807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.1	90	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	46.4	93	69-131	
1,1,2-Trichloroethane	ug/L	50	50.9	102	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.6	103	70-130	
1,1-Dichloroethane	ug/L	50	42.7	85	67-133	
1,1-Dichloroethene	ug/L	50	45.0	90	63-128	
1,2,4-Trichlorobenzene	ug/L	50	40.1	80	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	38.3	77	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	46.5	93	75-126	
1,2-Dichlorobenzene	ug/L	50	49.5	99	76-124	
1,2-Dichloroethane	ug/L	50	47.1	94	69-139	
1,2-Dichloropropane	ug/L	50	49.0	98	76-129	
1,3-Dichlorobenzene	ug/L	50	49.3	99	76-125	
1,4-Dichlorobenzene	ug/L	50	42.8	86	75-122	
2-Butanone (MEK)	ug/L	250	221	89	47-189	
2-Hexanone	ug/L	250	204	82	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	201	80	61-135	
Acetone	ug/L	250	249	100	30-170	
Benzene	ug/L	50	48.1	96	78-127	
Bromodichloromethane	ug/L	50	50.2	100	69-133	
Bromoform	ug/L	50	43.2	86	60-127	
Bromomethane	ug/L	50	52.4	105	30-170	
Carbon disulfide	ug/L	100	84.0	84	58-152	
Carbon tetrachloride	ug/L	50	45.1	90	62-143	
Chlorobenzene	ug/L	50	50.2	100	75-123	
Chloroethane	ug/L	50	50.0	100	56-153	
Chloroform	ug/L	50	45.5	91	74-131	
Chloromethane	ug/L	50	47.6	95	35-147	
cis-1,2-Dichloroethene	ug/L	50	47.7	95	74-128	
cis-1,3-Dichloropropene	ug/L	50	41.7	83	58-123	
Cyclohexane	ug/L	50	47.8J	96	63-134	
Dibromochloromethane	ug/L	50	47.3	95	66-131	
Dichlorodifluoromethane	ug/L	50	40.4	81	30-170	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

LABORATORY CONTROL SAMPLE: 287807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	49.6	99	81-126	
Isopropylbenzene (Cumene)	ug/L	50	42.1	84	80-130	
Methyl acetate	ug/L	50	40.4J	81	30-170	
Methyl-tert-butyl ether	ug/L	100	83.1	83	66-147	
Methylcyclohexane	ug/L	50	44.2J	88	65-135	
Methylene chloride	ug/L	50	48.8	98	32-164	
Styrene	ug/L	50	46.4	93	74-128	
Tetrachloroethene	ug/L	50	42.6	85	60-119	
Toluene	ug/L	50	46.7	93	75-129	
trans-1,2-Dichloroethene	ug/L	50	47.2	94	71-126	
trans-1,3-Dichloropropene	ug/L	50	39.8	80	54-123	
Trichloroethene	ug/L	50	47.2	94	74-130	
Trichlorofluoromethane	ug/L	50	49.0	98	62-150	
Vinyl chloride	ug/L	50	46.5	93	55-141	
Xylene (Total)	ug/L	150	148	99	76-132	
4-Bromofluorobenzene (S)	%			96	70-126	
Dibromofluoromethane (S)	%			98	80-123	
Toluene-d8 (S)	%			101	80-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287808 287809

Parameter	Units	5025166036 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	44.2	45.3	88	91	64-143	2	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.3	48.4	99	97	64-142	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	53.7	54.7	107	109	71-143	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	55.0	54.0	110	108	70-130	2	20	
1,1-Dichloroethane	ug/L	ND	50	50	45.2	45.5	90	91	68-139	.8	20	
1,1-Dichloroethene	ug/L	ND	50	50	46.3	46.7	93	93	55-140	.8	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	37.8	37.9	76	76	28-140	.4	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	39.7	41.9	79	84	39-140	5	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	46.8	47.6	94	95	67-134	2	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	49.1	50.3	98	101	48-137	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	49.2	49.5	98	99	63-148	.6	20	
1,2-Dichloropropane	ug/L	ND	50	50	52.1	53.4	104	107	70-136	2	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	49.3	48.7	99	97	40-143	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	42.1	43.1	84	86	38-142	2	20	
2-Butanone (MEK)	ug/L	ND	250	250	214	214	85	86	62-132	.4	20	
2-Hexanone	ug/L	ND	250	250	201	212	80	85	61-141	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	205	212	82	85	57-135	3	20	
Acetone	ug/L	ND	250	250	187	189	75	75	30-170	.9	20	
Benzene	ug/L	ND	50	50	50.4	50.7	101	101	63-141	.5	20	
Bromodichloromethane	ug/L	ND	50	50	52.7	52.8	105	106	63-135	.3	20	
Bromoform	ug/L	ND	50	50	44.5	44.3	89	89	58-124	.5	20	
Bromomethane	ug/L	ND	50	50	53.7	54.1	107	108	30-170	.6	20	
Carbon disulfide	ug/L	ND	100	100	87.8	87.5	88	87	46-162	.4	20	
Carbon tetrachloride	ug/L	ND	50	50	44.3	45.4	89	91	54-145	3	20	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025166

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 287808 287809

Parameter	Units	5025166036 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	50.7	51.7	101	103	56-133	2	20	
Chloroethane	ug/L	ND	50	50	51.4	52.8	103	106	54-157	3	20	
Chloroform	ug/L	ND	50	50	47.4	47.4	95	95	67-134	.09	20	
Chloromethane	ug/L	ND	50	50	49.0	49.5	98	99	36-137	1	20	
cis-1,2-Dichloroethene	ug/L	2.8J	50	50	52.1	52.3	99	99	65-132	.4	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.9	41.3	80	83	46-121	3	20	
Cyclohexane	ug/L	ND	50	50	49.4J	48.9J	99	98	39-167		20	
Dibromochloromethane	ug/L	ND	50	50	48.4	48.6	97	97	64-124	.5	20	
Dichlorodifluoromethane	ug/L	ND	50	50	40.9	41.9	82	84	30-163	2	20	
Ethylbenzene	ug/L	ND	50	50	51.0	51.4	102	103	44-151	.9	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	39.7	39.2	79	78	40-148	1	20	
Methyl acetate	ug/L	ND	50	50	40J	42.4J	80	85	40-182		20	
Methyl-tert-butyl ether	ug/L	ND	100	100	80.2	87.6	80	88	52-156	9	20	
Methylcyclohexane	ug/L	ND	50	50	45.9J	46.4J	92	93	44-158		20	
Methylene chloride	ug/L	ND	50	50	51.9	51.4	104	103	46-154	1	20	
Styrene	ug/L	ND	50	50	38.7	36.5	77	73	38-141	6	20	
Tetrachloroethene	ug/L	ND	50	50	41.8	41.8	84	84	25-146	.09	20	
Toluene	ug/L	ND	50	50	47.7	47.4	95	95	59-142	.6	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.2	48.7	98	97	60-137	1	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.4	40.1	79	80	43-117	2	20	
Trichloroethene	ug/L	ND	50	50	47.6	48.6	95	97	61-137	2	20	
Trichlorofluoromethane	ug/L	ND	50	50	51.6	50.4	103	101	53-162	2	20	
Vinyl chloride	ug/L	ND	50	50	46.8	47.0	94	94	51-144	.3	20	
Xylene (Total)	ug/L	ND	150	150	146	147	97	98	44-152	.9	20	
4-Bromofluorobenzene (S)	%						98	100	70-126		20	
Dibromofluoromethane (S)	%						99	99	80-123		20	
Toluene-d8 (S)	%						102	101	80-116		20	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: Allison Transmission
Pace Project No.: 5025166

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.

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.

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

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

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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GM REALM ENCORE

CHAIN-OF-CUSTODY / Analytical Request Document

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PAGE OF

ID # № 04297

SSOW Ref. Code: E027021

Required Client Information:

Company: Arcadis	Report To: S. Fisher
Address: 251 E. Ohio St. Suite 500	Copy To:
Indianapolis, IN 46204	Invoice To:
	P.O.: IN000473.0017.00002
Phone: 317 231 6500	Project Name: Allison Transmission
Fax: 317 231 6514	Project Number: IN000473.0017.00002
E-mail: sfisher@arcadis-us.com	

Laboratory: Pace	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: Donna Spyker	
Requested Due Date:	TAT: Standard
QA/QC Requirements: Level IV	

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

Analysis and Method: VOC 8260

Preservative

	Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOC 8260	Remarks/Lab ID
1.	TB-1(041009)-TK	WGQ	4/10/09	0900	2		X					X	001
2.	MW-24-S2A (041009)	WG		0945	3		X					X	002
3.	MW-0419-S3 (041009)			1030	3		X					X	003
4.	MW-0419-S2B (041009)			1100	3		X					X	004
5.	MW-0202-S3(041009) 4/13/09			1205	3		X					X	005
6.	MW-0202-~~2SB~~(041009) S2B per Sarah			1235	3		X					X	006
7.	MW-0202-~~2SA~~(041009) S2A			1310	3		X					X	007
8.	MW-0406-S2B(041009)			1400	3		X					X	008
9.	FD-1(041009)-TK			—	3		X					X	009
10.	MW-S3-0501(041009)			1510	3		X					X	010
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS												

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		T. Kelly / Arcadis	4/10/09	4:00p	Lin White / pace	4/10/09	4:00p
AIRBILL NO.							

Sample Condition

Temp in C	2.8
Received on Ice	(Y / N)
Sealed Cooler	Y / N
Samples Intact	(Y / N)

Additional Comments: 29 of 1C WI Client del

Sampler Name: T. A. Kelly

Sampler Signature: T. A. Kelly Date: 4/10/09

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

REV. 0 (6/04)

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CHAIN-OF-CUSTODY / Analytical Request Document

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PAGE 1 OF 2

ID # № 04318

SSOW Ref. Code: E027021

Required Client Information:

Company: ARCADIS	Report To: S. Fisher
Address: 251 E. Ohio St	Copy To: H. Gastineau-Lyons
Ste. 800	Invoice To: S. Fisher
Indpls, IN 46204	P.O.: IN000473.0017.00002
Phone: 3172316500	Project Name: Allison
Fax:	Project Number: IN473.17.2
E-mail: sarah.fisher@arcadis-us.com	

Laboratory: Pace	
Laboratory Location: Indianapolis, IN	
Laboratory Contact: D. Spyker	
Requested Due Date:	TAT: Standard
QA/QC Requirements: level IV	

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 8260	Lead 6010	Arsenic 6010								Remarks/Lab ID
1.	PZ-0801-S2(040909)	WG	4-9-09	1025	3		X					3										011
2.	PZ-42-0702-S2A(040909)	WG	4-9-09	1252	3		X					3										012
3.	MW-0707-S2B(040909)	WG	4-9-09	1515	3		X					3										013
4.	MW-0620-S1(041009)	WG	4-10-09	950	4		X		X			3	1									014
5.	MW-0620-S1(041009)	WG	4-10-09	950	2				X				2									MS/MSD ↓
6.	MW-0408-S2(041009)	WG	4-10-09	1110	4		X		X			3		1								015
7.	MW-0408-S2(041009)	WG	4-10-09	1110	2				X					2								MS/MSD ↓
8.	MW-~~0603~~-S3(041009) 0803 per Sarah 4/13/09	WG	4-10-09	1230	3		X					3										016
9.	MW-0817-S2B(041009)	WG	4-10-09	1400	3		X					3										017
10.	MW-0817-S3(041009)	WG	4-10-09	1435	3		X					3										018
11.	EB-1(041009)-MAH	WGQ	4-10-09	1010	1				X				1									019
12.	EB-2(041009)-MAH	WGQ	4-10-09	1130	1				X					1								020
13.	FD-1(041009)-MAH	WG	4-10-09	—	1				X				1									021
14.	FD-2(041009)-MAH	WG	4-10-09	—	1				X					1								022
15.	TB-1(040909)-MAH	WGQ	4-9-09	—	3		X					3										lab supplied 023
	TOTAL NUMBER OF CONTAINERS																					

5025166

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		Meryl A. Hicks / ARCADIS	4-10-09	1530	[illegible] / Arcadis	4/10/09	1530
AIRBILL NO.		[illegible] / Arcadis	4/10/09	4:01p	[illegible] Pace	4/10/09	4:01p

Sample Condition

Temp in °C	4.1
Received on Ice	(Y) N
Sealed Cooler	Y (N)
Samples Intact	(Y) N

Additional Comments: 49 of 12 WI Client del

Sampler Name: Meryl A. Hicks

Sampler Signature: Meryl A. Hicks Date: 4-9-09

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

REV. 0 (6/04)

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PAGE 2 OF 2

ID # № 08837

SSOW Ref. Code: E027021

Required Client Information:

Company: ARCADIS	Report To: S. Fisher
Address: 251 E. Ohio St. Ste 800	Copy To:
Indpls, IN 46204	Invoice To: S. Fisher
	P.O.: IN000413.0017.00002
Phone: 3172316500	Project Name: Allison
Fax:	Project Number: IN413.17.2
E-mail: sarah.fisher@arcadis-us.com	

Laboratory: Pace	
Laboratory Location: Indy	
Laboratory Contact: D. Spiker	
Requested Due Date:	TAT: standard
QA/QC Requirements: level IV	

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

Analysis and Method: VOCs 8260

5025766

Sample Identification:	Matrix Code	Date Collected	Time Collected	# Containers	Unpreserved	HCl	H2SO4	HNO3	NaOH	Other:	VOCs 8260	Remarks/Lab ID
1. MW-S2-0601 (041009)	WG	4-10-09	1515	3		X					3	024
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
		Meryl Hicks / ARCADIS	4-10-09	1530	[illegible] / Arcadis	4/10/09	1530
AIRBILL NO.		[illegible] / Arcadis	4/10/09	410p	[illegible] / Childspace	4/10/09	410p

Sample Condition

Temp in °C	4.1
Received on Ice	(Y) N
Sealed Cooler	(Y) N
Samples Intact	(Y) N

Additional Comments:

Sampler Name: Meryl Hicks

Sampler Signature: Meryl Hicks Date: 4-10-09

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

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PAGE 1 OF 2

ID # № 08924

SSOW Ref. Code: E027021

Required Client Information:

Company: ARCADIS	Report To: K. GASTINEAU-LYONS
Address: 251, E. OHIO ST	Copy To: S. FISHER
STE. 800	Invoice To:
INDIANAPOLIS, IN 46204	P.O.: IN000473.0020.00002
Phone: 317-231-6500	Project Name: AT
Fax: 317-231-6514	Project Number: IN 473.20.2
E-mail: KEATHER.GASTINEAU-LYONS@ARCADIS-US.COM	

Laboratory: PACE	
Laboratory Location: INDIANAPOLIS, IN	
Laboratory Contact: DONNA SPYKER	
Requested Due Date:	TAT: STND
QA/QC Requirements: LEVEL IV	

5025166

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	BNs									Remarks/Lab ID
1.	MW-0811-S2 (040909)	WG	4-9-09	0920	9		X					9	–								025	MS/MSD
2.	TB-1 (040909) RW	WGQ	4-9-09	—	2		X					2	–								026	TRIP BLANK (LAB SUPPLIED)
3.	EB-1 (040909) RW	WGQ	4-9-09	—	3		X					3	–								027	EQUIP BLANK
4.	MW-0802-S2 (040909)	WG	4-9-09	1022	3		X					3	–								028	
5.	FD-1 (040909) RW	WGQ	4-9-09	—	3		X					3	–								029	FIELD DUPLICATE
6.	MW-0809-S2 (040909)	WG	4-9-09	1138	3		X					3	–								030	
7.	MW-0701-S2 (040909)	WG	4-9-09	1258	3		X					3	–								031	
8.	MW-0644-S2 (040909)	WG	4-9-09	1337	3		X					3	–								032	
9.	MW-0801-S2 (040909	WG	4-9-09	1430	3		X					3	–								033	
10.	EB-2 (040909) RW	WGQ	4-9-09	—	1	X						–	1								034	EQUIP BLANK
11.	FD-2 (040909) RW	WGQ	4-9-09	—	1	X						–	1								035	FIELD DUPLICATE
12.	MW-0702-S2 (040909)	WG	4-9-09	1530	6	X	X					3	3								036	MS/MSD (BNs)
13.	MW-0616-S2 (040909)	WG	4-9-09	1631	3		X					3	–								037	
14.	MW-0420-S3 (041009)	WG	4-10-09	0904	3		X					3	–								038	
15.	MW-3-9-S2 (041009)	WG	4-10-09	0946	3		X					3	–								039	
	TOTAL NUMBER OF CONTAINERS				49																	

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] / ARCADIS	4-10-09	1530	[signature] / Arcadis	4/10/09	1530
AIRBILL NO.		[signature] / ARCADIS	4/10/09	3:58p	[signature] / Pace	4-10-09	3:58p

Sample Condition

Temp in °C	1.0
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: 64 oz NI Client del

Sampler Name: RANDALL WOODRUFF

Sampler Signature: [signature] Date:

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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ID # № 08925

SSOW Ref. Code: E027021

Required Client Information:

Company: ARCADIS	Report To: K. GASTINEAU-LYONS
Address: 251 E. OHIO ST	Copy To: G. FISHER
STE. 800	Invoice To:
INDIANAPOLIS, IN 46204	P.O.: IN000473.0020.00002
Phone: 317-231-6500	Project Name: AT
Fax: 317-231-6514	Project Number: IN473.20.2
E-mail: KEATHER.GASTINEAU-LYONS@ARCADIS-US.COM	

Laboratory: PACE	
Laboratory Location: INDIANAPOLIS, IN	
Laboratory Contact: DONNA SPYKER	
Requested Due Date:	TAT: STND
QA/QC Requirements: LEVEL IV	

5025166

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 - 8260	Remarks/Lab ID
1.	MW-23-S2 (041009)	WG	4-10-09	1029	3		X					3	040
2.	MW-31-S2 (041009)	WG	4-10-09	1137	3		X					3	041
3.	MW-0116-S2 (041009)	WG	4-10-09	1228	3		X					3	042
4.	MW-0426-S2 (041009)	WG	4-10-09	1329	3		X					3	043
5.	MW-S2A-0501 (041009)	WG	4-10-09	1440	3		X					3	044
6.													
7.													
8.													
9.													
10.													
11.													
12.													
13.													
14.													
15.													
	TOTAL NUMBER OF CONTAINERS												

4-10-09

SHIPMENT METHOD	NO. OF COOLERS	RELINQUISHED BY / AFFILIATION	DATE	TIME	RECEIVED BY / AFFILIATION	DATE	TIME
		[signature] / ARCADIS	4-10-09	1530	[signature] / Arcadis	4/10/09	1530
AIRBILL NO.		[signature] / Arcadis	4-10-09	3:55p	[signature] Childspace	4-10-09	3:55p

Sample Condition

Temp in °C	1.3
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments:

640K WI Client del

Sampler Name: RANDALL WOODRUFF

Sampler Signature: [signature] Date:

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

REV. 0 (6/04)

PAGE 10 of 49

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 5025166

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 123456 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.8°C Biological Tissue is Frozen: Yes (No)

Date and Initials of person examining contents: CC 4-10-09

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.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: Water	☒Yes	☐No	☐N/A	12.
All containers needing preservation have been checked.	☐Yes	☐No	☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	2 VOAs.
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COC 042997

Project Manager Review: [signature] **Date:** 4/10/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 8025766

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 1234 5 6 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.1°C **Biological Tissue is Frozen:** Yes (No)

Date and Initials of person examining contents: LC 4-10-09

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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: water		
All containers needing preservation have been checked.	☒Yes ☐No ☐N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☒Yes ☐No ☐N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes ☐No	Initial when completed LC Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COC's 04318 and 08837

Project Manager Review: _____ **Date:** 4/10/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 6025166

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

Thermometer Used 1234516 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 1.3°C Biological Tissue is Frozen: Yes (No)

Date and Initials of person examining contents: CC 4-10-09

Temp should be above freezing to 6°C

Comments:

				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.
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	7.
Sufficient Volume:	☒Yes	☐No	☐N/A	8.
Correct Containers Used:	☒Yes	☐No	☐N/A	9.
-Pace Containers Used:	☒Yes	☐No	☐N/A	
Containers Intact:	☒Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A	11.
Sample Labels match COC:	☒Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water				
All containers needing preservation have been checked.	☐Yes	☐No	☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☒Yes	☐No		Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☒No	☐N/A	15.
Trip Blank Present:	☒Yes	☐No	☐N/A	16.
Trip Blank Custody Seals Present	☒Yes	☐No	☐N/A	2 VOAs.
Pace Trip Blank Lot # (if purchased): _____				

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: COCs 08924 and 08925

Project Manager Review: _____ **Date:** 4/10/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical®
www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Project Number 5025164

Initials/ Date Compiled AA 4.2009

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(041009)
Lab ID: 5025166001
Collected: 04/10/09 09:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 13:16	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 13:16	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 13:16	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 13:16	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 13:16	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 13:16	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 13:16	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 13:16	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 13:16	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 13:16	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 13:16	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 13:16	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 13:16	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 13:16	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 13:16	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 13:16	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 13:16	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 13:16	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 13:16	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 13:16	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 13:16	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 13:16	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 13:16	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 13:16	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 13:16	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 13:16	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 13:16	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 13:16	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 13:16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 13:16	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 13:16	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 13:16	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 13:16	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 13:16	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 13:16	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 13:16	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 13:16	

Date: 04/30/2009 03:29 PM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(041009)
Lab ID: 5025166001
Collected: 04/10/09 09:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 13:16	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 13:16	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 13:16	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 13:16	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 13:16	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/15/09 13:16	
460-00-4	4-Bromofluorobenzene (S)	**86**	%	70-126		1		04/15/09 13:16	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 13:16	

Date: 04/30/2009 03:29 PM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-24-S2A(041009)
Lab ID: 5025166002
Collected: 04/10/09 09:45
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 13:53	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 13:53	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 13:53	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 13:53	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 13:53	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 13:53	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 13:53	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 13:53	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 13:53	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 13:53	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 13:53	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 13:53	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 13:53	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 13:53	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 13:53	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 13:53	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 13:53	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 13:53	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 13:53	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 13:53	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 13:53	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 13:53	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 13:53	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 13:53	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 13:53	
98-82-8	Isopropylbenzene (Cumene)	**4.2J**	ug/L	5.0	1.0	1		04/15/09 13:53	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 13:53	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 13:53	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 13:53	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 13:53	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 13:53	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 13:53	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 13:53	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 13:53	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 13:53	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 13:53	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 13:53	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-24-S2A(041009)
Lab ID: 5025166002
Collected: 04/10/09 09:45
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 13:53	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 13:53	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 13:53	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 13:53	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 13:53	
1868-53-7	Dibromofluoromethane (S)	**115**	%	80-123		1		04/15/09 13:53	
460-00-4	4-Bromofluorobenzene (S)	**96**	%	70-126		1		04/15/09 13:53	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/15/09 13:53	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S3(041009)
Lab ID: 5025166003
Collected: 04/10/09 10:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 14:29	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 14:29	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 14:29	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 14:29	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 14:29	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 14:29	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 14:29	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 14:29	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 14:29	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 14:29	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 14:29	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 14:29	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 14:29	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 14:29	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 14:29	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 14:29	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 14:29	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 14:29	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 14:29	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 14:29	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 14:29	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 14:29	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 14:29	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 14:29	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 14:29	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 14:29	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 14:29	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 14:29	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 14:29	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 14:29	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 14:29	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 14:29	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 14:29	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 14:29	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 14:29	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 14:29	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 14:29	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S3(041009)
Lab ID: 5025166003
Collected: 04/10/09 10:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 14:29	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 14:29	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 14:29	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 14:29	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 14:29	
1868-53-7	Dibromofluoromethane (S)	**102**	%	80-123		1		04/15/09 14:29	
460-00-4	4-Bromofluorobenzene (S)	**102**	%	70-126		1		04/15/09 14:29	
2037-26-5	Toluene-d8 (S)	**93**	%	80-116		1		04/15/09 14:29	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S2B(041009)
Lab ID: 5025166004
Collected: 04/10/09 11:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 15:06	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 15:06	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 15:06	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 15:06	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 15:06	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 15:06	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 15:06	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 15:06	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 15:06	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 15:06	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 15:06	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 15:06	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 15:06	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 15:06	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 15:06	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 15:06	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 15:06	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 15:06	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 15:06	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 15:06	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 15:06	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 15:06	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 15:06	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 15:06	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 15:06	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 15:06	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 15:06	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 15:06	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 15:06	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 15:06	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 15:06	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 15:06	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 15:06	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 15:06	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 15:06	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 15:06	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 15:06	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0419-S2B(041009)
Lab ID: 5025166004
Collected: 04/10/09 11:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 15:06	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 15:06	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 15:06	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 15:06	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 15:06	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/15/09 15:06	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		04/15/09 15:06	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 15:06	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S3(041009)
Lab ID: 5025166005
Collected: 04/10/09 12:05
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 15:43	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 15:43	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 15:43	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 15:43	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 15:43	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 15:43	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 15:43	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 15:43	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 15:43	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 15:43	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 15:43	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 15:43	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 15:43	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 15:43	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 15:43	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 15:43	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 15:43	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 15:43	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 15:43	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 15:43	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 15:43	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 15:43	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 15:43	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 15:43	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 15:43	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 15:43	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 15:43	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 15:43	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 15:43	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 15:43	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 15:43	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 15:43	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 15:43	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 15:43	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 15:43	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 15:43	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 15:43	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S3(041009)
Lab ID: 5025166005
Collected: 04/10/09 12:05
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 15:43	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 15:43	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 15:43	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 15:43	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 15:43	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/15/09 15:43	
460-00-4	4-Bromofluorobenzene (S)	**90**	%	70-126		1		04/15/09 15:43	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 15:43	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S2B(041009)
Lab ID: 5025166006
Collected: 04/10/09 12:35
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 16:19	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 16:19	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 16:19	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 16:19	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 16:19	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 16:19	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 16:19	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 16:19	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 16:19	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 16:19	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 16:19	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 16:19	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 16:19	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 16:19	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 16:19	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 16:19	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 16:19	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 16:19	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 16:19	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 16:19	
75-34-3	1,1-Dichloroethane	**9.9**	ug/L	5.0	1.1	1		04/15/09 16:19	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 16:19	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 16:19	
156-59-2	cis-1,2-Dichloroethene	**10**	ug/L	5.0	1.2	1		04/15/09 16:19	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 16:19	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 16:19	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 16:19	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 16:19	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 16:19	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 16:19	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 16:19	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 16:19	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 16:19	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 16:19	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 16:19	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 16:19	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 16:19	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 16:19	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 16:19	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 16:19	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 16:19	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 16:19	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 16:19	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S2B(041009)
Lab ID: 5025166006
Collected: 04/10/09 12:35
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 16:19	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 16:19	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 16:19	
75-01-4	Vinyl chloride	**3.4**	ug/L	2.0	1.5	1		04/15/09 16:19	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 16:19	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/15/09 16:19	
460-00-4	4-Bromofluorobenzene (S)	**90**	%	70-126		1		04/15/09 16:19	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		04/15/09 16:19	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S2A(041009)
Lab ID: 5025166007
Collected: 04/10/09 13:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 16:56	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 16:56	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 16:56	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 16:56	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 16:56	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 16:56	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 16:56	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 16:56	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 16:56	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 16:56	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 16:56	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 16:56	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 16:56	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 16:56	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 16:56	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 16:56	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 16:56	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 16:56	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 16:56	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 16:56	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 16:56	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 16:56	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 16:56	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 16:56	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 16:56	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 16:56	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 16:56	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 16:56	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 16:56	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 16:56	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 16:56	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 16:56	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 16:56	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 16:56	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 16:56	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 16:56	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 16:56	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0202-S2A(041009)
Lab ID: 5025166007
Collected: 04/10/09 13:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 16:56	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 16:56	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 16:56	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 16:56	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 16:56	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/15/09 16:56	
460-00-4	4-Bromofluorobenzene (S)	**90**	%	70-126		1		04/15/09 16:56	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 16:56	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0406-S2B(041009)
Lab ID: 5025166008
Collected: 04/10/09 14:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 17:32	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 17:32	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 17:32	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 17:32	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 17:32	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 17:32	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 17:32	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 17:32	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 17:32	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 17:32	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 17:32	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 17:32	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 17:32	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 17:32	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 17:32	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 17:32	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 17:32	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 17:32	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 17:32	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 17:32	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 17:32	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 17:32	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 17:32	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 17:32	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 17:32	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 17:32	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 17:32	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 17:32	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 17:32	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 17:32	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 17:32	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 17:32	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 17:32	
127-18-4	Tetrachloroethene	**7.2**	ug/L	5.0	1.3	1		04/15/09 17:32	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 17:32	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 17:32	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 17:32	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0406-S2B(041009)
Lab ID: 5025166008
Collected: 04/10/09 14:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 17:32	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 17:32	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 17:32	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 17:32	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 17:32	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/15/09 17:32	
460-00-4	4-Bromofluorobenzene (S)	**91**	%	70-126		1		04/15/09 17:32	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		04/15/09 17:32	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(041009)-TK
Lab ID: 5025166009
Collected: 04/10/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 18:09	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 18:09	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 18:09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 18:09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 18:09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 18:09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 18:09	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 18:09	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 18:09	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 18:09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 18:09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 18:09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 18:09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 18:09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 18:09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 18:09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 18:09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 18:09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 18:09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 18:09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 18:09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 18:09	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 18:09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 18:09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 18:09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 18:09	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 18:09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 18:09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 18:09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 18:09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 18:09	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 18:09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 18:09	
127-18-4	Tetrachloroethene	**7.3**	ug/L	5.0	1.3	1		04/15/09 18:09	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 18:09	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 18:09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 18:09	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(041009)-TK
Lab ID: 5025166009
Collected: 04/10/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 18:09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 18:09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 18:09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 18:09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 18:09	
1868-53-7	Dibromofluoromethane (S)	**116**	%	80-123		1		04/15/09 18:09	
460-00-4	4-Bromofluorobenzene (S)	**87**	%	70-126		1		04/15/09 18:09	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		04/15/09 18:09	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0501(041009)
Lab ID: 5025166010
Collected: 04/10/09 15:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 18:46	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 18:46	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 18:46	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 18:46	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 18:46	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 18:46	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 18:46	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 18:46	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 18:46	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 18:46	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 18:46	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 18:46	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 18:46	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 18:46	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 18:46	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 18:46	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 18:46	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 18:46	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 18:46	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 18:46	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 18:46	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 18:46	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 18:46	
156-59-2	cis-1,2-Dichloroethene	**2.5J**	ug/L	5.0	1.2	1		04/15/09 18:46	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 18:46	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 18:46	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 18:46	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 18:46	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 18:46	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 18:46	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 18:46	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 18:46	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 18:46	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 18:46	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 18:46	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 18:46	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 18:46	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 18:46	
127-18-4	Tetrachloroethene	**78.1**	ug/L	5.0	1.3	1		04/15/09 18:46	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 18:46	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 18:46	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 18:46	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 18:46	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S3-0501(041009)
Lab ID: 5025166010
Collected: 04/10/09 15:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**41.8**	ug/L	5.0	1.2	1		04/15/09 18:46	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 18:46	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 18:46	
75-01-4	Vinyl chloride	**3.4**	ug/L	2.0	1.5	1		04/15/09 18:46	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 18:46	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/15/09 18:46	
460-00-4	4-Bromofluorobenzene (S)	**88**	%	70-126		1		04/15/09 18:46	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 18:46	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: PZ-0801-S2(040909)
Lab ID: 5025166011
Collected: 04/09/09 10:25
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 19:22	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 19:22	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 19:22	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 19:22	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 19:22	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 19:22	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 19:22	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 19:22	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 19:22	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 19:22	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 19:22	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 19:22	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 19:22	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 19:22	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 19:22	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 19:22	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 19:22	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 19:22	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 19:22	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 19:22	
75-34-3	1,1-Dichloroethane	**16.6**	ug/L	5.0	1.1	1		04/15/09 19:22	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 19:22	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 19:22	
156-59-2	cis-1,2-Dichloroethene	**184**	ug/L	5.0	1.2	1		04/15/09 19:22	
156-60-5	trans-1,2-Dichloroethene	**9.9**	ug/L	5.0	1.3	1		04/15/09 19:22	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 19:22	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 19:22	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 19:22	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 19:22	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 19:22	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 19:22	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 19:22	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 19:22	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 19:22	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 19:22	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 19:22	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 19:22	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:22	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:22	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 19:22	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 19:22	
71-55-6	1,1,1-Trichloroethane	**8.0**	ug/L	5.0	1.5	1		04/15/09 19:22	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 19:22	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: PZ-0801-S2(040909)
Lab ID: 5025166011
Collected: 04/09/09 10:25
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**168**	ug/L	5.0	1.2	1		04/15/09 19:22	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 19:22	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 19:22	
75-01-4	Vinyl chloride	**4.2**	ug/L	2.0	1.5	1		04/15/09 19:22	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 19:22	
1868-53-7	Dibromofluoromethane (S)	**112**	%	80-123		1		04/15/09 19:22	
460-00-4	4-Bromofluorobenzene (S)	**89**	%	70-126		1		04/15/09 19:22	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		04/15/09 19:22	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: PZ-42-0702-S2A(040909)
Lab ID: 5025166012
Collected: 04/09/09 12:52
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 19:59	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 19:59	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 19:59	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 19:59	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 19:59	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 19:59	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 19:59	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 19:59	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 19:59	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 19:59	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 19:59	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 19:59	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 19:59	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 19:59	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 19:59	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 19:59	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 19:59	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:59	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 19:59	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 19:59	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:59	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 19:59	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 19:59	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 19:59	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 19:59	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 19:59	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 19:59	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 19:59	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 19:59	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 19:59	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 19:59	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 19:59	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:59	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:59	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 19:59	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 19:59	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 19:59	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: PZ-42-0702-S2A(040909)
Lab ID: 5025166012
Collected: 04/09/09 12:52
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 19:59	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 19:59	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 19:59	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 19:59	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 19:59	
1868-53-7	Dibromofluoromethane (S)	**114**	%	80-123		1		04/15/09 19:59	
460-00-4	4-Bromofluorobenzene (S)	**87**	%	70-126		1		04/15/09 19:59	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/15/09 19:59	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0707-S2B(040909)
Lab ID: 5025166013
Collected: 04/09/09 15:15
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 20:35	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 20:35	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 20:35	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 20:35	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 20:35	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 20:35	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 20:35	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 20:35	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 20:35	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 20:35	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 20:35	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 20:35	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 20:35	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 20:35	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 20:35	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 20:35	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 20:35	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 20:35	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 20:35	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 20:35	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 20:35	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 20:35	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 20:35	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 20:35	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 20:35	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 20:35	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 20:35	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 20:35	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 20:35	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 20:35	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 20:35	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 20:35	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 20:35	
127-18-4	Tetrachloroethene	**7.0**	ug/L	5.0	1.3	1		04/15/09 20:35	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 20:35	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 20:35	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 20:35	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0707-S2B(040909)
Lab ID: 5025166013
Collected: 04/09/09 15:15
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 20:35	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 20:35	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 20:35	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 20:35	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 20:35	
1868-53-7	Dibromofluoromethane (S)	**111**	%	80-123		1		04/15/09 20:35	
460-00-4	4-Bromofluorobenzene (S)	**103**	%	70-126		1		04/15/09 20:35	
2037-26-5	Toluene-d8 (S)	**93**	%	80-116		1		04/15/09 20:35	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0620-S1(041009)
Lab ID: 5025166014
Collected: 04/10/09 09:50
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 21:12	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 21:12	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 21:12	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 21:12	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 21:12	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 21:12	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 21:12	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 21:12	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 21:12	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 21:12	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 21:12	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 21:12	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 21:12	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 21:12	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 21:12	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 21:12	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 21:12	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 21:12	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 21:12	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 21:12	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 21:12	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 21:12	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 21:12	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 21:12	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 21:12	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 21:12	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 21:12	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 21:12	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 21:12	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 21:12	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 21:12	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 21:12	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 21:12	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 21:12	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 21:12	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 21:12	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 21:12	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0620-S1(041009)
Lab ID: 5025166014
Collected: 04/10/09 09:50
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 21:12	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 21:12	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 21:12	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 21:12	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 21:12	
1868-53-7	Dibromofluoromethane (S)	**112**	%	80-123		1		04/15/09 21:12	
460-00-4	4-Bromofluorobenzene (S)	**88**	%	70-126		1		04/15/09 21:12	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 21:12	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0408-S2(041009)
Lab ID: 5025166015
Collected: 04/10/09 11:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 16:01	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 16:01	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 16:01	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 16:01	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 16:01	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 16:01	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 16:01	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 16:01	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 16:01	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 16:01	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 16:01	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 16:01	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 16:01	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 16:01	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 16:01	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 16:01	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 16:01	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 16:01	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 16:01	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 16:01	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 16:01	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 16:01	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 16:01	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 16:01	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 16:01	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 16:01	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 16:01	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 16:01	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 16:01	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 16:01	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 16:01	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 16:01	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 16:01	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 16:01	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 16:01	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 16:01	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 16:01	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0408-S2(041009)
Lab ID: 5025166015
Collected: 04/10/09 11:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 16:01	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 16:01	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 16:01	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 16:01	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 16:01	
1868-53-7	Dibromofluoromethane (S)	**102**	%	80-123		1		04/15/09 16:01	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/15/09 16:01	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 16:01	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0803-S3(041009)
Lab ID: 5025166016
Collected: 04/10/09 12:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 17:51	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 17:51	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 17:51	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 17:51	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 17:51	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 17:51	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 17:51	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 17:51	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 17:51	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 17:51	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 17:51	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 17:51	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 17:51	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 17:51	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 17:51	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 17:51	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 17:51	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 17:51	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 17:51	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 17:51	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 17:51	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 17:51	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 17:51	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 17:51	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 17:51	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 17:51	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 17:51	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 17:51	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 17:51	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 17:51	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 17:51	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 17:51	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 17:51	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 17:51	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 17:51	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 17:51	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 17:51	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0803-S3(041009)
Lab ID: 5025166016
Collected: 04/10/09 12:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 17:51	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 17:51	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 17:51	
75-01-4	Vinyl chloride	**7.9**	ug/L	2.0	1.5	1		04/15/09 17:51	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 17:51	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/15/09 17:51	
460-00-4	4-Bromofluorobenzene (S)	**97**	%	70-126		1		04/15/09 17:51	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/15/09 17:51	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S2B(041009)
Lab ID: 5025166017
Collected: 04/10/09 14:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 18:27	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 18:27	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 18:27	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 18:27	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 18:27	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 18:27	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 18:27	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 18:27	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 18:27	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 18:27	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 18:27	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 18:27	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 18:27	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 18:27	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 18:27	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 18:27	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 18:27	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 18:27	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 18:27	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 18:27	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 18:27	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 18:27	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 18:27	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 18:27	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 18:27	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 18:27	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 18:27	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 18:27	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 18:27	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 18:27	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 18:27	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 18:27	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 18:27	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 18:27	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 18:27	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 18:27	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 18:27	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S2B(041009)
Lab ID: 5025166017
Collected: 04/10/09 14:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 18:27	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 18:27	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 18:27	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 18:27	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 18:27	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/15/09 18:27	
460-00-4	4-Bromofluorobenzene (S)	**96**	%	70-126		1		04/15/09 18:27	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 18:27	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S3(041009)
Lab ID: 5025166018
Collected: 04/10/09 14:35
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 19:04	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 19:04	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 19:04	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 19:04	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 19:04	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 19:04	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 19:04	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 19:04	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 19:04	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 19:04	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 19:04	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 19:04	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 19:04	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 19:04	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 19:04	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 19:04	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 19:04	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:04	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 19:04	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 19:04	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:04	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 19:04	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 19:04	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 19:04	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 19:04	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 19:04	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 19:04	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 19:04	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 19:04	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 19:04	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 19:04	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 19:04	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:04	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:04	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 19:04	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 19:04	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 19:04	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0817-S3(041009)
Lab ID: 5025166018
Collected: 04/10/09 14:35
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 19:04	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 19:04	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 19:04	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 19:04	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 19:04	
1868-53-7	Dibromofluoromethane (S)	**109**	%	80-123		1		04/15/09 19:04	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/15/09 19:04	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/15/09 19:04	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040909)-MAH
Lab ID: 5025166023
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 19:40	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 19:40	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 19:40	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 19:40	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 19:40	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 19:40	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 19:40	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 19:40	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 19:40	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 19:40	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 19:40	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 19:40	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 19:40	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 19:40	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 19:40	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 19:40	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 19:40	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:40	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 19:40	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 19:40	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:40	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 19:40	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 19:40	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 19:40	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 19:40	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 19:40	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 19:40	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 19:40	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 19:40	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 19:40	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 19:40	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 19:40	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 19:40	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 19:40	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 19:40	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 19:40	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 19:40	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040909)-MAH
Lab ID: 5025166023
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 19:40	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 19:40	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 19:40	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 19:40	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 19:40	
1868-53-7	Dibromofluoromethane (S)	**109**	%	80-123		1		04/15/09 19:40	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/15/09 19:40	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/15/09 19:40	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2-0601(041009)
Lab ID: 5025166024
Collected: 04/10/09 15:15
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 20:17	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 20:17	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 20:17	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 20:17	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 20:17	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 20:17	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 20:17	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 20:17	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 20:17	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 20:17	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 20:17	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 20:17	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 20:17	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 20:17	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 20:17	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 20:17	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 20:17	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 20:17	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 20:17	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 20:17	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 20:17	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 20:17	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 20:17	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 20:17	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 20:17	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 20:17	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 20:17	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 20:17	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 20:17	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 20:17	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 20:17	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 20:17	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 20:17	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 20:17	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 20:17	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 20:17	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 20:17	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2-0601(041009)
Lab ID: 5025166024
Collected: 04/10/09 15:15
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 20:17	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 20:17	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 20:17	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 20:17	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 20:17	
1868-53-7	Dibromofluoromethane (S)	**104**	%	80-123		1		04/15/09 20:17	
460-00-4	4-Bromofluorobenzene (S)	**101**	%	70-126		1		04/15/09 20:17	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/15/09 20:17	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0811-S2(040909)
Lab ID: 5025166025
Collected: 04/09/09 09:20
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 12:44	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 12:44	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 12:44	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 12:44	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 12:44	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 12:44	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 12:44	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 12:44	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 12:44	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 12:44	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 12:44	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 12:44	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 12:44	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 12:44	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 12:44	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 12:44	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 12:44	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 12:44	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 12:44	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 12:44	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 12:44	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 12:44	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 12:44	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 12:44	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 12:44	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 12:44	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 12:44	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 12:44	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 12:44	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 12:44	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 12:44	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 12:44	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 12:44	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 12:44	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 12:44	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 12:44	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 12:44	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0811-S2(040909)
Lab ID: 5025166025
Collected: 04/09/09 09:20
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 12:44	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 12:44	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 12:44	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 12:44	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 12:44	
1868-53-7	Dibromofluoromethane (S)	**105**	%	80-123		1		04/16/09 12:44	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/16/09 12:44	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/16/09 12:44	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040909)RW
Lab ID: 5025166026
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 20:54	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 20:54	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 20:54	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 20:54	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 20:54	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 20:54	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 20:54	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 20:54	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 20:54	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 20:54	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 20:54	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 20:54	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 20:54	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 20:54	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 20:54	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 20:54	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 20:54	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 20:54	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 20:54	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 20:54	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 20:54	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 20:54	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 20:54	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 20:54	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 20:54	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 20:54	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 20:54	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 20:54	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 20:54	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 20:54	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 20:54	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 20:54	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 20:54	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 20:54	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 20:54	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 20:54	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 20:54	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040909)RW
Lab ID: 5025166026
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 20:54	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 20:54	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 20:54	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 20:54	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 20:54	
1868-53-7	Dibromofluoromethane (S)	**105**	%	80-123		1		04/15/09 20:54	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		04/15/09 20:54	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/15/09 20:54	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: EB-1(040909)RW
Lab ID: 5025166027
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/15/09 21:30	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/15/09 21:30	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/15/09 21:30	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/15/09 21:30	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/15/09 21:30	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/15/09 21:30	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/15/09 21:30	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/15/09 21:30	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/15/09 21:30	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/15/09 21:30	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/15/09 21:30	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/15/09 21:30	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/15/09 21:30	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/15/09 21:30	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/15/09 21:30	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/15/09 21:30	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/15/09 21:30	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/15/09 21:30	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/15/09 21:30	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/15/09 21:30	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/15/09 21:30	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/15/09 21:30	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/15/09 21:30	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/15/09 21:30	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/15/09 21:30	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/15/09 21:30	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/15/09 21:30	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/15/09 21:30	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/15/09 21:30	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/15/09 21:30	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/15/09 21:30	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/15/09 21:30	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/15/09 21:30	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/15/09 21:30	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/15/09 21:30	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/15/09 21:30	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/15/09 21:30	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: EB-1(040909)RW
Lab ID: 5025166027
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/15/09 21:30	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/15/09 21:30	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/15/09 21:30	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/15/09 21:30	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/15/09 21:30	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/15/09 21:30	
460-00-4	4-Bromofluorobenzene (S)	**96**	%	70-126		1		04/15/09 21:30	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/15/09 21:30	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0802-S2(040909)
Lab ID: 5025166028
Collected: 04/09/09 10:22
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 14:32	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 14:32	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 14:32	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 14:32	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 14:32	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 14:32	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 14:32	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 14:32	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 14:32	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 14:32	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 14:32	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 14:32	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 14:32	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 14:32	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 14:32	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 14:32	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 14:32	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 14:32	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 14:32	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 14:32	
75-34-3	1,1-Dichloroethane	**6.1**	ug/L	5.0	1.1	1		04/16/09 14:32	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 14:32	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 14:32	
156-59-2	cis-1,2-Dichloroethene	**184**	ug/L	5.0	1.2	1		04/16/09 14:32	
156-60-5	trans-1,2-Dichloroethene	**17.5**	ug/L	5.0	1.3	1		04/16/09 14:32	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 14:32	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 14:32	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 14:32	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 14:32	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 14:32	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 14:32	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 14:32	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 14:32	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 14:32	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 14:32	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 14:32	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 14:32	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 14:32	
127-18-4	Tetrachloroethene	**2.5J**	ug/L	5.0	1.3	1		04/16/09 14:32	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 14:32	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 14:32	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 14:32	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 14:32	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0802-S2(040909)
Lab ID: 5025166028
Collected: 04/09/09 10:22
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 14:32	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 14:32	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 14:32	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 14:32	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 14:32	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/16/09 14:32	
460-00-4	4-Bromofluorobenzene (S)	**96**	%	70-126		1		04/16/09 14:32	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/16/09 14:32	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(040909)RW
Lab ID: 5025166029
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 15:08	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 15:08	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 15:08	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 15:08	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 15:08	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 15:08	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 15:08	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 15:08	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 15:08	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 15:08	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 15:08	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 15:08	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 15:08	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 15:08	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 15:08	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 15:08	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 15:08	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 15:08	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 15:08	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 15:08	
75-34-3	1,1-Dichloroethane	**6.0**	ug/L	5.0	1.1	1		04/16/09 15:08	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 15:08	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 15:08	
156-59-2	cis-1,2-Dichloroethene	**184**	ug/L	5.0	1.2	1		04/16/09 15:08	
156-60-5	trans-1,2-Dichloroethene	**16.3**	ug/L	5.0	1.3	1		04/16/09 15:08	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 15:08	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 15:08	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 15:08	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 15:08	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 15:08	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 15:08	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 15:08	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 15:08	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 15:08	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 15:08	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 15:08	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 15:08	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 15:08	
127-18-4	Tetrachloroethene	**2.5J**	ug/L	5.0	1.3	1		04/16/09 15:08	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 15:08	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 15:08	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 15:08	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 15:08	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: FD-1(040909)RW
Lab ID: 5025166029
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 15:08	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 15:08	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 15:08	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 15:08	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 15:08	
1868-53-7	Dibromofluoromethane (S)	**106**	%	80-123		1		04/16/09 15:08	
460-00-4	4-Bromofluorobenzene (S)	**96**	%	70-126		1		04/16/09 15:08	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		04/16/09 15:08	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0809-S2(040909)
Lab ID: 5025166030
Collected: 04/09/09 11:38
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 15:44	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 15:44	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 15:44	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 15:44	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 15:44	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 15:44	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 15:44	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 15:44	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 15:44	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 15:44	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 15:44	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 15:44	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 15:44	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 15:44	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 15:44	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 15:44	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 15:44	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 15:44	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 15:44	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 15:44	
75-34-3	1,1-Dichloroethane	**20.1**	ug/L	5.0	1.1	1		04/16/09 15:44	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 15:44	
75-35-4	1,1-Dichloroethene	**8.1**	ug/L	5.0	1.6	1		04/16/09 15:44	
156-59-2	cis-1,2-Dichloroethene	**650**	ug/L	50.0	11.7	10		04/16/09 21:07	
156-60-5	trans-1,2-Dichloroethene	**27.8**	ug/L	5.0	1.3	1		04/16/09 15:44	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 15:44	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 15:44	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 15:44	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 15:44	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 15:44	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 15:44	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 15:44	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 15:44	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 15:44	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 15:44	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 15:44	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 15:44	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 15:44	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 15:44	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 15:44	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 15:44	
71-55-6	1,1,1-Trichloroethane	**11.0**	ug/L	5.0	1.5	1		04/16/09 15:44	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 15:44	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0809-S2(040909)
Lab ID: 5025166030
Collected: 04/09/09 11:38
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**57.7**	ug/L	5.0	1.2	1		04/16/09 15:44	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 15:44	
76-13-1	1,1,2-Trichlorotrifluoroethane	**10.7**	ug/L	5.0	1.6	1		04/16/09 15:44	
75-01-4	Vinyl chloride	**13.5**	ug/L	2.0	1.5	1		04/16/09 15:44	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 15:44	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/16/09 15:44	
460-00-4	4-Bromofluorobenzene (S)	**94**	%	70-126		1		04/16/09 15:44	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/16/09 15:44	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0701-S2(040909)
Lab ID: 5025166031
Collected: 04/09/09 12:58
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 16:19	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 16:19	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 16:19	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 16:19	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 16:19	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 16:19	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 16:19	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 16:19	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 16:19	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 16:19	
67-66-3	Chloroform	**1.4J**	ug/L	5.0	1.1	1		04/16/09 16:19	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 16:19	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 16:19	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 16:19	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 16:19	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 16:19	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 16:19	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 16:19	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 16:19	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 16:19	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 16:19	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 16:19	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 16:19	
156-59-2	cis-1,2-Dichloroethene	**5.3**	ug/L	5.0	1.2	1		04/16/09 16:19	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 16:19	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 16:19	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 16:19	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 16:19	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 16:19	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 16:19	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 16:19	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 16:19	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 16:19	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 16:19	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 16:19	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 16:19	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 16:19	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 16:19	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 16:19	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 16:19	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 16:19	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 16:19	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 16:19	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0701-S2(040909)
Lab ID: 5025166031
Collected: 04/09/09 12:58
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 16:19	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 16:19	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 16:19	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 16:19	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 16:19	
1868-53-7	Dibromofluoromethane (S)	**109**	%	80-123		1		04/16/09 16:19	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		04/16/09 16:19	
2037-26-5	Toluene-d8 (S)	**99**	%	80-116		1		04/16/09 16:19	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0644-S2(040909)
Lab ID: 5025166032
Collected: 04/09/09 13:37
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 16:55	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 16:55	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 16:55	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 16:55	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 16:55	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 16:55	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 16:55	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 16:55	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 16:55	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 16:55	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 16:55	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 16:55	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 16:55	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 16:55	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 16:55	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 16:55	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 16:55	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 16:55	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 16:55	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 16:55	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 16:55	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 16:55	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 16:55	
156-59-2	cis-1,2-Dichloroethene	**1.7J**	ug/L	5.0	1.2	1		04/16/09 16:55	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 16:55	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 16:55	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 16:55	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 16:55	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 16:55	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 16:55	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 16:55	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 16:55	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 16:55	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 16:55	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 16:55	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 16:55	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 16:55	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 16:55	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 16:55	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 16:55	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 16:55	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 16:55	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 16:55	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0644-S2(040909)
Lab ID: 5025166032
Collected: 04/09/09 13:37
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 16:55	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 16:55	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 16:55	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 16:55	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 16:55	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/16/09 16:55	
460-00-4	4-Bromofluorobenzene (S)	**94**	%	70-126		1		04/16/09 16:55	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/16/09 16:55	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0801-S2(040909)
Lab ID: 5025166033
Collected: 04/09/09 14:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 17:31	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 17:31	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 17:31	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 17:31	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 17:31	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 17:31	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 17:31	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 17:31	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 17:31	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 17:31	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 17:31	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 17:31	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 17:31	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 17:31	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 17:31	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 17:31	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 17:31	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 17:31	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 17:31	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 17:31	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 17:31	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 17:31	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 17:31	
156-59-2	cis-1,2-Dichloroethene	**7.8**	ug/L	5.0	1.2	1		04/16/09 17:31	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 17:31	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 17:31	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 17:31	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 17:31	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 17:31	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 17:31	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 17:31	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 17:31	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 17:31	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 17:31	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 17:31	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 17:31	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 17:31	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 17:31	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 17:31	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 17:31	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 17:31	
71-55-6	1,1,1-Trichloroethane	**7.2**	ug/L	5.0	1.5	1		04/16/09 17:31	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 17:31	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0801-S2(040909)
Lab ID: 5025166033
Collected: 04/09/09 14:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 17:31	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 17:31	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 17:31	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 17:31	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 17:31	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/16/09 17:31	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/16/09 17:31	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/16/09 17:31	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0702-S2(040909)
Lab ID: 5025166036
Collected: 04/09/09 15:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/17/09 00:07	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/17/09 00:07	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/17/09 00:07	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/17/09 00:07	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/17/09 00:07	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/17/09 00:07	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/17/09 00:07	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/17/09 00:07	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/17/09 00:07	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/17/09 00:07	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/17/09 00:07	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/17/09 00:07	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/17/09 00:07	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/17/09 00:07	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/17/09 00:07	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/17/09 00:07	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/17/09 00:07	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/17/09 00:07	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/17/09 00:07	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/17/09 00:07	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/17/09 00:07	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/17/09 00:07	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/17/09 00:07	
156-59-2	cis-1,2-Dichloroethene	**2.8J**	ug/L	5.0	1.2	1		04/17/09 00:07	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/17/09 00:07	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/17/09 00:07	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/17/09 00:07	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/17/09 00:07	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/17/09 00:07	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/17/09 00:07	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/17/09 00:07	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/17/09 00:07	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/17/09 00:07	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/17/09 00:07	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/17/09 00:07	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/17/09 00:07	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/17/09 00:07	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/17/09 00:07	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/17/09 00:07	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/17/09 00:07	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/17/09 00:07	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/17/09 00:07	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/17/09 00:07	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0702-S2(040909)
Lab ID: 5025166036
Collected: 04/09/09 15:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/17/09 00:07	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/17/09 00:07	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/17/09 00:07	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/17/09 00:07	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/17/09 00:07	
1868-53-7	Dibromofluoromethane (S)	**110**	%	80-123		1		04/17/09 00:07	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/17/09 00:07	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/17/09 00:07	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0616-S2(040909)
Lab ID: 5025166037
Collected: 04/09/09 16:31
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 18:07	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 18:07	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 18:07	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 18:07	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 18:07	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 18:07	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 18:07	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 18:07	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 18:07	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 18:07	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 18:07	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 18:07	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 18:07	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 18:07	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 18:07	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 18:07	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 18:07	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 18:07	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 18:07	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 18:07	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 18:07	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 18:07	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 18:07	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 18:07	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 18:07	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 18:07	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 18:07	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 18:07	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 18:07	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 18:07	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 18:07	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 18:07	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 18:07	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 18:07	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 18:07	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 18:07	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 18:07	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0616-S2(040909)
Lab ID: 5025166037
Collected: 04/09/09 16:31
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 18:07	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 18:07	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 18:07	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 18:07	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 18:07	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/16/09 18:07	
460-00-4	4-Bromofluorobenzene (S)	**91**	%	70-126		1		04/16/09 18:07	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/16/09 18:07	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0420-S2(041009)
Lab ID: 5025166038
Collected: 04/10/09 09:04
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 18:43	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 18:43	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 18:43	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 18:43	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 18:43	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 18:43	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 18:43	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 18:43	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 18:43	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 18:43	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 18:43	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 18:43	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 18:43	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 18:43	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 18:43	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 18:43	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 18:43	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 18:43	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 18:43	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 18:43	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 18:43	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 18:43	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 18:43	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 18:43	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 18:43	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 18:43	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 18:43	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 18:43	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 18:43	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 18:43	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 18:43	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 18:43	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 18:43	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 18:43	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 18:43	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 18:43	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 18:43	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0420-S2(041009)
Lab ID: 5025166038
Collected: 04/10/09 09:04
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 18:43	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 18:43	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 18:43	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 18:43	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 18:43	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/16/09 18:43	
460-00-4	4-Bromofluorobenzene (S)	**91**	%	70-126		1		04/16/09 18:43	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/16/09 18:43	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-3-9-S2(041009)
Lab ID: 5025166039
Collected: 04/10/09 09:46
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 19:18	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 19:18	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 19:18	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 19:18	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 19:18	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 19:18	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 19:18	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 19:18	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 19:18	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 19:18	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 19:18	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 19:18	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 19:18	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 19:18	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 19:18	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 19:18	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 19:18	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 19:18	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 19:18	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 19:18	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 19:18	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 19:18	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 19:18	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 19:18	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 19:18	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 19:18	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 19:18	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 19:18	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 19:18	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 19:18	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 19:18	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 19:18	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 19:18	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 19:18	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 19:18	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 19:18	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 19:18	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-3-9-S2(041009)
Lab ID: 5025166039
Collected: 04/10/09 09:46
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 19:18	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 19:18	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 19:18	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 19:18	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 19:18	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/16/09 19:18	
460-00-4	4-Bromofluorobenzene (S)	**91**	%	70-126		1		04/16/09 19:18	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/16/09 19:18	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-23-S2(041009)
Lab ID: 5025166040
Collected: 04/10/09 10:29
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 19:54	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 19:54	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 19:54	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 19:54	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 19:54	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 19:54	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 19:54	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 19:54	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 19:54	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 19:54	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 19:54	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 19:54	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 19:54	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 19:54	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 19:54	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 19:54	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 19:54	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 19:54	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 19:54	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 19:54	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 19:54	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 19:54	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 19:54	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 19:54	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 19:54	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 19:54	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 19:54	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 19:54	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 19:54	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 19:54	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 19:54	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 19:54	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 19:54	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 19:54	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 19:54	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 19:54	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 19:54	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-23-S2(041009)
Lab ID: 5025166040
Collected: 04/10/09 10:29
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 19:54	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 19:54	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 19:54	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 19:54	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 19:54	
1868-53-7	Dibromofluoromethane (S)	**109**	%	80-123		1		04/16/09 19:54	
460-00-4	4-Bromofluorobenzene (S)	**92**	%	70-126		1		04/16/09 19:54	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/16/09 19:54	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-31-S2(041009)
Lab ID: 5025166041
Collected: 04/10/09 11:37
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/16/09 20:30	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/16/09 20:30	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/16/09 20:30	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/16/09 20:30	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/16/09 20:30	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/16/09 20:30	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/16/09 20:30	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/16/09 20:30	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/16/09 20:30	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/16/09 20:30	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/16/09 20:30	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/16/09 20:30	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/16/09 20:30	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/16/09 20:30	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/16/09 20:30	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/16/09 20:30	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/16/09 20:30	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/16/09 20:30	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/16/09 20:30	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/16/09 20:30	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/16/09 20:30	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/16/09 20:30	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/16/09 20:30	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/16/09 20:30	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/16/09 20:30	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/16/09 20:30	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 20:30	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 20:30	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/16/09 20:30	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/16/09 20:30	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/16/09 20:30	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/16/09 20:30	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/16/09 20:30	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/16/09 20:30	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/16/09 20:30	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/16/09 20:30	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/16/09 20:30	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-31-S2(041009)
Lab ID: 5025166041
Collected: 04/10/09 11:37
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/16/09 20:30	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/16/09 20:30	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/16/09 20:30	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/16/09 20:30	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/16/09 20:30	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/16/09 20:30	
460-00-4	4-Bromofluorobenzene (S)	**94**	%	70-126		1		04/16/09 20:30	
2037-26-5	Toluene-d8 (S)	**101**	%	80-116		1		04/16/09 20:30	

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Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0116-S2(041009)
Lab ID: 5025166042
Collected: 04/10/09 12:28
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/17/09 01:55	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/17/09 01:55	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/17/09 01:55	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/17/09 01:55	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/17/09 01:55	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/17/09 01:55	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/17/09 01:55	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/17/09 01:55	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/17/09 01:55	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/17/09 01:55	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/17/09 01:55	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/17/09 01:55	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/17/09 01:55	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/17/09 01:55	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/17/09 01:55	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/17/09 01:55	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/17/09 01:55	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/17/09 01:55	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/17/09 01:55	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/17/09 01:55	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/17/09 01:55	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/17/09 01:55	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/17/09 01:55	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/17/09 01:55	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/17/09 01:55	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/17/09 01:55	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/17/09 01:55	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/17/09 01:55	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/17/09 01:55	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/17/09 01:55	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/17/09 01:55	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/17/09 01:55	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/17/09 01:55	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/17/09 01:55	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/17/09 01:55	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/17/09 01:55	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/17/09 01:55	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0116-S2(041009)
Lab ID: 5025166042
Collected: 04/10/09 12:28
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/17/09 01:55	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/17/09 01:55	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/17/09 01:55	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/17/09 01:55	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/17/09 01:55	
1868-53-7	Dibromofluoromethane (S)	**107**	%	80-123		1		04/17/09 01:55	
460-00-4	4-Bromofluorobenzene (S)	**93**	%	70-126		1		04/17/09 01:55	
2037-26-5	Toluene-d8 (S)	**98**	%	80-116		1		04/17/09 01:55	

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REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0426-S2(041009)
Lab ID: 5025166043
Collected: 04/10/09 13:29
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/17/09 02:31	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/17/09 02:31	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/17/09 02:31	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/17/09 02:31	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/17/09 02:31	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/17/09 02:31	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/17/09 02:31	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/17/09 02:31	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/17/09 02:31	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/17/09 02:31	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/17/09 02:31	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/17/09 02:31	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/17/09 02:31	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/17/09 02:31	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/17/09 02:31	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/17/09 02:31	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/17/09 02:31	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/17/09 02:31	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/17/09 02:31	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/17/09 02:31	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/17/09 02:31	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/17/09 02:31	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/17/09 02:31	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/17/09 02:31	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/17/09 02:31	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/17/09 02:31	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/17/09 02:31	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/17/09 02:31	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/17/09 02:31	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/17/09 02:31	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/17/09 02:31	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/17/09 02:31	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/17/09 02:31	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	1		04/17/09 02:31	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/17/09 02:31	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/17/09 02:31	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/17/09 02:31	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0426-S2(041009)
Lab ID: 5025166043
Collected: 04/10/09 13:29
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	1		04/17/09 02:31	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/17/09 02:31	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/17/09 02:31	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/17/09 02:31	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/17/09 02:31	
1868-53-7	Dibromofluoromethane (S)	**108**	%	80-123		1		04/17/09 02:31	
460-00-4	4-Bromofluorobenzene (S)	**95**	%	70-126		1		04/17/09 02:31	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/17/09 02:31	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2A-0501(041009)
Lab ID: 5025166044
Collected: 04/10/09 14:40
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	6.6	1		04/17/09 03:07	
71-43-2	Benzene	ND	ug/L	5.0	1.2	1		04/17/09 03:07	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	1		04/17/09 03:07	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	1		04/17/09 03:07	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	1		04/17/09 03:07	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	1		04/17/09 03:07	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	1		04/17/09 03:07	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	1		04/17/09 03:07	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	1		04/17/09 03:07	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	1		04/17/09 03:07	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	1		04/17/09 03:07	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	1		04/17/09 03:07	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	1		04/17/09 03:07	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	1		04/17/09 03:07	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	1		04/17/09 03:07	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	1		04/17/09 03:07	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	1		04/17/09 03:07	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	1		04/17/09 03:07	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	1		04/17/09 03:07	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	1		04/17/09 03:07	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	1		04/17/09 03:07	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	1		04/17/09 03:07	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	1		04/17/09 03:07	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	1		04/17/09 03:07	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	1		04/17/09 03:07	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	1		04/17/09 03:07	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	1		04/17/09 03:07	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	1		04/17/09 03:07	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	1		04/17/09 03:07	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	1		04/17/09 03:07	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	1		04/17/09 03:07	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/17/09 03:07	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/17/09 03:07	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	1		04/17/09 03:07	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	1		04/17/09 03:07	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	1		04/17/09 03:07	
100-42-5	Styrene	ND	ug/L	5.0	0.86	1		04/17/09 03:07	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	1		04/17/09 03:07	
127-18-4	Tetrachloroethene	**1050**	ug/L	125	31.3	25		04/17/09 12:54	
108-88-3	Toluene	ND	ug/L	5.0	1.2	1		04/17/09 03:07	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	1		04/17/09 03:07	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	1		04/17/09 03:07	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	1		04/17/09 03:07	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-S2A-0501(041009)
Lab ID: 5025166044
Collected: 04/10/09 14:40
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**6.7**	ug/L	5.0	1.2	1		04/17/09 03:07	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	1		04/17/09 03:07	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	1		04/17/09 03:07	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	1		04/17/09 03:07	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	1		04/17/09 03:07	
1868-53-7	Dibromofluoromethane (S)	**102**	%	80-123		1		04/17/09 03:07	
460-00-4	4-Bromofluorobenzene (S)	**89**	%	70-126		1		04/17/09 03:07	
2037-26-5	Toluene-d8 (S)	**95**	%	80-116		1		04/17/09 03:07	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15674 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166015, 5025166016, 5025166017, 5025166018, 5025166023, 5025166024, 5025166026, 5025166027

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	04/15/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	04/15/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	04/15/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	04/15/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	04/15/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	04/15/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	04/15/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	04/15/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	04/15/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	04/15/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	04/15/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	04/15/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	04/15/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	04/15/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	04/15/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	04/15/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	04/15/09	
67-64-1	Acetone	ND	ug/L	100	6.6	04/15/09	
71-43-2	Benzene	ND	ug/L	5.0	1.2	04/15/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	04/15/09	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	04/15/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	04/15/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	04/15/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	04/15/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	04/15/09	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	04/15/09	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	04/15/09	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	04/15/09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	04/15/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15674 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166015, 5025166016, 5025166017, 5025166018, 5025166023, 5025166024, 5025166026, 5025166027

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	04/15/09	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	04/15/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	04/15/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	04/15/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	04/15/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	04/15/09	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	04/15/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	04/15/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	04/15/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	04/15/09	
100-42-5	Styrene	ND	ug/L	5.0	0.86	04/15/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	04/15/09	
108-88-3	Toluene	ND	ug/L	5.0	1.2	04/15/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	04/15/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	04/15/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	04/15/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	04/15/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	04/15/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	04/15/09	

Type	Sample	Matrix
BLANK	287388	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV / 15674
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
287388	BLANK		1	97		109		97							
287389	LCS		1	101		98		101							
287390	MS		1	102		99		102							
287391	MSD		1	100		97		100							
5025166015	OQS	MW-0408-S2(041009)	1	95		102		98							
5025166016		MW-0803-S3(041009)	1	97		106		97							
5025166017		MW-0817-S2B(041009)	1	96		107		98							
5025166018		MW-0817-S3(041009)	1	95		109		97							
5025166023		TB-1(040909)-MAH	1	95		109		97							
5025166024		MW-S2-0601(041009)	1	101		104		96							
5025166026		TB-1(040909)RW	1	99		105		97							
5025166027		EB-1(040909)RW	1	96		107		98							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15674 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	94			69-136		50	47.1		ug/L	04/15/09			
1,1,2,2-Tetrachloroethane	99			69-131		50	49.5		ug/L	04/15/09			
1,1,2-Trichloroethane	108			77-132		50	54.2		ug/L	04/15/09			
1,1,2-Trichlorotrifluoroethane	112			70-130		50	56.2		ug/L	04/15/09			
1,1-Dichloroethane	89			67-133		50	44.3		ug/L	04/15/09			
1,1-Dichloroethene	95			63-128		50	47.6		ug/L	04/15/09			
1,2,4-Trichlorobenzene	94			60-130		50	47.2		ug/L	04/15/09			
1,2-Dibromo-3-chloropropane	90			61-125		50	45.1		ug/L	04/15/09			
1,2-Dibromoethane (EDB)	97			75-126		50	48.3		ug/L	04/15/09			
1,2-Dichlorobenzene	101			76-124		50	50.6		ug/L	04/15/09			
1,2-Dichloroethane	96			69-139		50	47.8		ug/L	04/15/09			
1,2-Dichloropropane	98			76-129		50	49.2		ug/L	04/15/09			
1,3-Dichlorobenzene	101			76-125		50	50.6		ug/L	04/15/09			
1,4-Dichlorobenzene	89			75-122		50	44.3		ug/L	04/15/09			
2-Butanone (MEK)	155			47-189		250	388		ug/L	04/15/09			
2-Hexanone	155			57-167		250	388		ug/L	04/15/09			
4-Methyl-2-pentanone (MIBK)	97			61-135		250	244		ug/L	04/15/09			
Acetone	250			30-170		250	624		ug/L	04/15/09		L0	
Benzene	96			78-127		50	47.8		ug/L	04/15/09			
Bromodichloromethane	100			69-133		50	50.1		ug/L	04/15/09			
Bromoform	92			60-127		50	46.2		ug/L	04/15/09			
Bromomethane	106			30-170		50	52.8		ug/L	04/15/09			
Carbon disulfide	90			58-152		100	89.7		ug/L	04/15/09			
Carbon tetrachloride	95			62-143		50	47.4		ug/L	04/15/09			
Chlorobenzene	100			75-123		50	50.2		ug/L	04/15/09			
Chloroethane	107			56-153		50	53.5		ug/L	04/15/09			
Chloroform	90			74-131		50	45.2		ug/L	04/15/09			
Chloromethane	100			35-147		50	50.1		ug/L	04/15/09			
cis-1,2-Dichloroethene	95			74-128		50	47.5		ug/L	04/15/09			

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15674 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	88			58-123		50	43.8		ug/L	04/15/09			
Cyclohexane	102			63-134		50	50.9J		ug/L	04/15/09			
Dibromochloromethane	96			66-131		50	48.1		ug/L	04/15/09			
Dichlorodifluoromethane	95			30-170		50	47.5		ug/L	04/15/09			
Ethylbenzene	104			81-126		50	52.0		ug/L	04/15/09			
Isopropylbenzene (Cumene)	87			80-130		50	43.7		ug/L	04/15/09			
Methyl acetate	90			30-170		50	44.9J		ug/L	04/15/09			
Methyl-tert-butyl ether	91			66-147		100	91.3		ug/L	04/15/09			
Methylcyclohexane	96			65-135		50	48.1J		ug/L	04/15/09			
Methylene chloride	99			32-164		50	49.7		ug/L	04/15/09			
Styrene	95			74-128		50	47.3		ug/L	04/15/09			
Tetrachloroethene	89			60-119		50	44.3		ug/L	04/15/09			
Toluene	94			75-129		50	47.0		ug/L	04/15/09			
trans-1,2-Dichloroethene	97			71-126		50	48.7		ug/L	04/15/09			
trans-1,3-Dichloropropene	87			54-123		50	43.3		ug/L	04/15/09			
Trichloroethene	95			74-130		50	47.5		ug/L	04/15/09			
Trichlorofluoromethane	109			62-150		50	54.6		ug/L	04/15/09			
Vinyl chloride	99			55-141		50	49.3		ug/L	04/15/09			
Xylene (Total)	99			76-132		150	149		ug/L	04/15/09			

Type	Sample
LCS	287389

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15674
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	42.3	46.9	1	1	85	94	64-143	10	20	04/15/09	04/15/09		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	55.0	55.1	1	1	110	110	64-142	0.2	20	04/15/09	04/15/09		
1,1,2-Trichloroethane	ug/L	ND	50	50	58.4	58.1	1	1	117	116	71-143	0.5	20	04/15/09	04/15/09		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	57.3	55.7	1	1	115	111	70-130	3	20	04/15/09	04/15/09		
1,1-Dichloroethane	ug/L	ND	50	50	45.2	46.2	1	1	90	92	68-139	2	20	04/15/09	04/15/09		
1,1-Dichloroethene	ug/L	ND	50	50	48.8	48.7	1	1	98	97	55-140	0.1	20	04/15/09	04/15/09		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	50.9	51.3	1	1	102	103	28-140	0.8	20	04/15/09	04/15/09		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	44.6	47.3	1	1	89	95	39-140	6	20	04/15/09	04/15/09		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.0	51.6	1	1	104	103	67-134	0.8	20	04/15/09	04/15/09		
1,2-Dichlorobenzene	ug/L	ND	50	50	53.9	54.4	1	1	108	109	48-137	0.9	20	04/15/09	04/15/09		
1,2-Dichloroethane	ug/L	ND	50	50	53.7	52.5	1	1	107	105	63-148	2	20	04/15/09	04/15/09		
1,2-Dichloropropane	ug/L	ND	50	50	53.4	52.8	1	1	107	106	70-136	1	20	04/15/09	04/15/09		
1,3-Dichlorobenzene	ug/L	ND	50	50	53.9	54.3	1	1	108	109	40-143	0.7	20	04/15/09	04/15/09		
1,4-Dichlorobenzene	ug/L	ND	50	50	46.9	48.1	1	1	94	96	38-142	3	20	04/15/09	04/15/09		
2-Butanone (MEK)	ug/L	ND	250	250	250	256	1	1	100	102	62-132	2	20	04/15/09	04/15/09		
2-Hexanone	ug/L	ND	250	250	252	252	1	1	101	101	61-141	0.002	20	04/15/09	04/15/09		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	249	253	1	1	100	101	57-135	1	20	04/15/09	04/15/09		
Acetone	ug/L	ND	250	250	248	239	1	1	99	96	30-170	4	20	04/15/09	04/15/09		
Benzene	ug/L	ND	50	50	50.8	51.4	1	1	102	103	63-141	1	20	04/15/09	04/15/09		
Bromodichloromethane	ug/L	ND	50	50	52.1	53.9	1	1	104	108	63-135	3	20	04/15/09	04/15/09		
Bromoform	ug/L	ND	50	50	46.6	48.4	1	1	93	97	58-124	4	20	04/15/09	04/15/09		
Bromomethane	ug/L	ND	50	50	55.0	54.8	1	1	110	110	30-170	0.3	20	04/15/09	04/15/09		
Carbon disulfide	ug/L	ND	100	100	93.7	92.6	1	1	94	93	46-162	1	20	04/15/09	04/15/09		
Carbon tetrachloride	ug/L	ND	50	50	43.0	46.5	1	1	86	93	54-145	8	20	04/15/09	04/15/09		
Chlorobenzene	ug/L	ND	50	50	54.5	54.5	1	1	108	108	56-133	0.002	20	04/15/09	04/15/09		
Chloroethane	ug/L	ND	50	50	55.1	53.9	1	1	110	108	54-157	2	20	04/15/09	04/15/09		
Chloroform	ug/L	ND	50	50	47.4	47.8	1	1	95	96	67-134	0.8	20	04/15/09	04/15/09		
Chloromethane	ug/L	ND	50	50	51.8	51.8	1	1	104	104	36-137	0.08	20	04/15/09	04/15/09		
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.4	51.2	1	1	101	102	65-132	2	20	04/15/09	04/15/09		

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15674
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.3	45.2	1	1	85	90	46-121	7	20	04/15/09	04/15/09		
Cyclohexane	ug/L	ND	50	50	54.1J	54.4J	1	1	106	107	39-167		20	04/15/09	04/15/09		
Dibromochloromethane	ug/L	ND	50	50	49.7	51.6	1	1	99	103	64-124	4	20	04/15/09	04/15/09		
Dichlorodifluoromethane	ug/L	ND	50	50	46.7	45.9	1	1	93	92	30-163	2	20	04/15/09	04/15/09		
Ethylbenzene	ug/L	ND	50	50	53.4	53.2	1	1	107	106	44-151	0.3	20	04/15/09	04/15/09		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	44.7	44.9	1	1	89	90	40-148	0.5	20	04/15/09	04/15/09		
Methyl acetate	ug/L	ND	50	50	44.4J	48.9J	1	1	89	98	40-182		20	04/15/09	04/15/09		
Methyl-tert-butyl ether	ug/L	ND	100	100	92.6	99.9	1	1	93	100	52-156	8	20	04/15/09	04/15/09		
Methylcyclohexane	ug/L	ND	50	50	48.8J	49.9J	1	1	98	100	44-158		20	04/15/09	04/15/09		
Methylene chloride	ug/L	ND	50	50	52.7	52.4	1	1	105	105	46-154	0.7	20	04/15/09	04/15/09		
Styrene	ug/L	ND	50	50	45.8	46.1	1	1	92	92	38-141	0.6	20	04/15/09	04/15/09		
Tetrachloroethene	ug/L	ND	50	50	45.8	45.7	1	1	92	91	25-146	0.1	20	04/15/09	04/15/09		
Toluene	ug/L	ND	50	50	49.1	49.2	1	1	98	98	59-142	0.3	20	04/15/09	04/15/09		
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.2	50.8	1	1	100	102	60-137	1	20	04/15/09	04/15/09		
trans-1,3-Dichloropropene	ug/L	ND	50	50	42.0	44.7	1	1	84	89	43-117	6	20	04/15/09	04/15/09		
Trichloroethene	ug/L	ND	50	50	50.4	50.3	1	1	101	101	61-137	0.1	20	04/15/09	04/15/09		
Trichlorofluoromethane	ug/L	ND	50	50	55.0	55.1	1	1	110	110	53-162	0.07	20	04/15/09	04/15/09		
Vinyl chloride	ug/L	ND	50	50	50.5	50.7	1	1	101	101	51-144	0.4	20	04/15/09	04/15/09		
Xylene (Total)	ug/L	ND	150	150	156	157	1	1	104	104	44-152	0.2	20	04/15/09	04/15/09		

Type	Sample	Client Sample ID
MS	287390	MW-0408-S2(041009)
MSD	287391	MW-0408-S2(041009)

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15675 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166001, 5025166002, 5025166003, 5025166004, 5025166005, 5025166006, 5025166007, 5025166008, 5025166009, 5025166010, 5025166011, 5025166012, 5025166013, 5025166014

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	04/15/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	04/15/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	04/15/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	04/15/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	04/15/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	04/15/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	04/15/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	04/15/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	04/15/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	04/15/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	04/15/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	04/15/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	04/15/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	04/15/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	04/15/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	04/15/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	04/15/09	
67-64-1	Acetone	ND	ug/L	100	6.6	04/15/09	
71-43-2	Benzene	ND	ug/L	5.0	1.2	04/15/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	04/15/09	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	04/15/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	04/15/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	04/15/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	04/15/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	04/15/09	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	04/15/09	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	04/15/09	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	04/15/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15675 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166001, 5025166002, 5025166003, 5025166004, 5025166005, 5025166006, 5025166007, 5025166008, 5025166009, 5025166010, 5025166011, 5025166012, 5025166013, 5025166014

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	04/15/09	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	04/15/09	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	04/15/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	04/15/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	04/15/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	04/15/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	04/15/09	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	04/15/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	04/15/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	04/15/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	04/15/09	
100-42-5	Styrene	ND	ug/L	5.0	0.86	04/15/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	04/15/09	
108-88-3	Toluene	ND	ug/L	5.0	1.2	04/15/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	04/15/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	04/15/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	04/15/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	04/15/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	04/15/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	04/15/09	

Type	Sample	Matrix
BLANK	287392	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV / 15675
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
287392	BLANK		1	87		107		98							
5025166001		TB-1(041009)	1	86		108		98							
287393	LCS		1	103		98		103							
5025166002		MW-24-S2A(041009)	1	96		115		97							
287394	MS		1	102		99		102							
5025166003		MW-0419-S3(041009)	1	102		102		93							
287395	MSD		1	101		100		102							
5025166004		MW-0419-S2B(041009)	1	93		108		98							
5025166005		MW-0202-S3(041009)	1	90		106		98							
5025166006		MW-0202-S2B(041009)	1	90		107		99							
5025166007		MW-0202-S2A(041009)	1	90		108		98							
5025166008		MW-0406-S2B(041009)	1	91		106		99							
5025166009		FD-1(041009)-TK	1	87		116		99							
5025166010		MW-S3-0501(041009)	1	88		106		98							
5025166011		PZ-0801-S2(040909)	1	89		112		99							
5025166012		PZ-42-0702-S2A(040909)	1	87		114		96							
5025166013		MW-0707-S2B(040909)	1	103		111		93							
5025166014	OQS	MW-0620-S1(041009)	1	88		112		98							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15675 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	87			69-136		50	43.5		ug/L	04/15/09			
1,1,2,2-Tetrachloroethane	88			69-131		50	44.2		ug/L	04/15/09			
1,1,2-Trichloroethane	97			77-132		50	48.7		ug/L	04/15/09			
1,1,2-Trichlorotrifluoroethane	107			70-130		50	53.7		ug/L	04/15/09			
1,1-Dichloroethane	87			67-133		50	43.5		ug/L	04/15/09			
1,1-Dichloroethene	97			63-128		50	48.4		ug/L	04/15/09			
1,2,4-Trichlorobenzene	81			60-130		50	40.4		ug/L	04/15/09			
1,2-Dibromo-3-chloropropane	69			61-125		50	34.4		ug/L	04/15/09			
1,2-Dibromoethane (EDB)	91			75-126		50	45.7		ug/L	04/15/09			
1,2-Dichlorobenzene	94			76-124		50	47.1		ug/L	04/15/09			
1,2-Dichloroethane	92			69-139		50	45.9		ug/L	04/15/09			
1,2-Dichloropropane	93			76-129		50	46.6		ug/L	04/15/09			
1,3-Dichlorobenzene	95			76-125		50	47.7		ug/L	04/15/09			
1,4-Dichlorobenzene	85			75-122		50	42.5		ug/L	04/15/09			
2-Butanone (MEK)	134			47-189		250	334		ug/L	04/15/09			
2-Hexanone	138			57-167		250	345		ug/L	04/15/09			
4-Methyl-2-pentanone (MIBK)	87			61-135		250	216		ug/L	04/15/09			
Acetone	230			30-170		250	575		ug/L	04/15/09		L0	
Benzene	94			78-127		50	47.0		ug/L	04/15/09			
Bromodichloromethane	88			69-133		50	43.8		ug/L	04/15/09			
Bromoform	82			60-127		50	40.8		ug/L	04/15/09			
Bromomethane	114			30-170		50	57.0		ug/L	04/15/09			
Carbon disulfide	87			58-152		100	87.2		ug/L	04/15/09			
Carbon tetrachloride	88			62-143		50	43.8		ug/L	04/15/09			
Chlorobenzene	99			75-123		50	49.3		ug/L	04/15/09			
Chloroethane	104			56-153		50	52.1		ug/L	04/15/09			
Chloroform	89			74-131		50	44.5		ug/L	04/15/09			
Chloromethane	100			35-147		50	49.8		ug/L	04/15/09			
cis-1,2-Dichloroethene	89			74-128		50	44.6		ug/L	04/15/09			

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15675 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	86			58-123		50	43.0		ug/L	04/15/09			
Cyclohexane	95			63-134		50	47.4J		ug/L	04/15/09			
Dibromochloromethane	91			66-131		50	45.7		ug/L	04/15/09			
Dichlorodifluoromethane	97			30-170		50	48.3		ug/L	04/15/09			
Ethylbenzene	97			81-126		50	48.4		ug/L	04/15/09			
Isopropylbenzene (Cumene)	99			80-130		50	49.4		ug/L	04/15/09			
Methyl acetate	167			30-170		50	83.5		ug/L	04/15/09			
Methyl-tert-butyl ether	88			66-147		100	87.9		ug/L	04/15/09			
Methylcyclohexane	89			65-135		50	44.5J		ug/L	04/15/09			
Methylene chloride	92			32-164		50	45.9		ug/L	04/15/09			
Styrene	92			74-128		50	46.1		ug/L	04/15/09			
Tetrachloroethene	88			60-119		50	44.1		ug/L	04/15/09			
Toluene	90			75-129		50	45.1		ug/L	04/15/09			
trans-1,2-Dichloroethene	97			71-126		50	48.3		ug/L	04/15/09			
trans-1,3-Dichloropropene	83			54-123		50	41.4		ug/L	04/15/09			
Trichloroethene	90			74-130		50	44.8		ug/L	04/15/09			
Trichlorofluoromethane	117			62-150		50	58.4		ug/L	04/15/09			
Vinyl chloride	108			55-141		50	53.8		ug/L	04/15/09			
Xylene (Total)	96			76-132		150	144		ug/L	04/15/09			

Type	Sample
LCS	287393

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15675
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	43.8	44.5	1	1	88	89	64-143	2	20	04/15/09	04/15/09		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	51.7	48.7	1	1	103	97	64-142	6	20	04/15/09	04/15/09		
1,1,2-Trichloroethane	ug/L	ND	50	50	54.2	52.2	1	1	108	104	71-143	4	20	04/15/09	04/15/09		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	60.4	59.5	1	1	121	119	70-130	1	20	04/15/09	04/15/09		
1,1-Dichloroethane	ug/L	ND	50	50	50.8	48.0	1	1	102	96	68-139	6	20	04/15/09	04/15/09		
1,1-Dichloroethene	ug/L	ND	50	50	51.4	50.8	1	1	103	102	55-140	1	20	04/15/09	04/15/09		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	42.8	41.7	1	1	86	83	28-140	3	20	04/15/09	04/15/09		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	37.6	35.6	1	1	75	71	39-140	6	20	04/15/09	04/15/09		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	48.8	47.6	1	1	98	95	67-134	3	20	04/15/09	04/15/09		
1,2-Dichlorobenzene	ug/L	ND	50	50	52.7	51.7	1	1	105	103	48-137	2	20	04/15/09	04/15/09		
1,2-Dichloroethane	ug/L	ND	50	50	52.3	49.9	1	1	105	100	63-148	5	20	04/15/09	04/15/09		
1,2-Dichloropropane	ug/L	ND	50	50	54.8	52.8	1	1	110	106	70-136	4	20	04/15/09	04/15/09		
1,3-Dichlorobenzene	ug/L	ND	50	50	52.7	51.6	1	1	105	103	40-143	2	20	04/15/09	04/15/09		
1,4-Dichlorobenzene	ug/L	ND	50	50	47.1	45.4	1	1	94	91	38-142	4	20	04/15/09	04/15/09		
2-Butanone (MEK)	ug/L	ND	250	250	227	213	1	1	91	85	62-132	7	20	04/15/09	04/15/09		
2-Hexanone	ug/L	ND	250	250	225	220	1	1	90	88	61-141	3	20	04/15/09	04/15/09		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	225	214	1	1	90	86	57-135	5	20	04/15/09	04/15/09		
Acetone	ug/L	ND	250	250	221	217	1	1	88	87	30-170	2	20	04/15/09	04/15/09		
Benzene	ug/L	ND	50	50	55.0	52.0	1	1	110	104	63-141	6	20	04/15/09	04/15/09		
Bromodichloromethane	ug/L	ND	50	50	50.2	47.9	1	1	100	96	63-135	5	20	04/15/09	04/15/09		
Bromoform	ug/L	ND	50	50	44.3	42.4	1	1	89	85	58-124	4	20	04/15/09	04/15/09		
Bromomethane	ug/L	ND	50	50	58.0	57.0	1	1	116	114	30-170	2	20	04/15/09	04/15/09		
Carbon disulfide	ug/L	ND	100	100	93.4	91.9	1	1	93	92	46-162	2	20	04/15/09	04/15/09		
Carbon tetrachloride	ug/L	ND	50	50	44.6	45.9	1	1	89	92	54-145	3	20	04/15/09	04/15/09		
Chlorobenzene	ug/L	ND	50	50	57.1	53.8	1	1	114	108	56-133	6	20	04/15/09	04/15/09		
Chloroethane	ug/L	ND	50	50	54.4	54.2	1	1	109	108	54-157	0.3	20	04/15/09	04/15/09		
Chloroform	ug/L	ND	50	50	52.1	49.3	1	1	104	99	67-134	5	20	04/15/09	04/15/09		
Chloromethane	ug/L	ND	50	50	52.2	51.6	1	1	104	103	36-137	1	20	04/15/09	04/15/09		
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.7	49.3	1	1	103	99	65-132	5	20	04/15/09	04/15/09		

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15675
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	42.4	42.1	1	1	85	84	46-121	0.9	20	04/15/09	04/15/09		
Cyclohexane	ug/L	ND	50	50	52.4J	52J	1	1	105	104	39-167		20	04/15/09	04/15/09		
Dibromochloromethane	ug/L	ND	50	50	49.8	48.4	1	1	100	97	64-124	3	20	04/15/09	04/15/09		
Dichlorodifluoromethane	ug/L	ND	50	50	50.0	49.3	1	1	100	99	30-163	1	20	04/15/09	04/15/09		
Ethylbenzene	ug/L	ND	50	50	54.4	51.5	1	1	109	103	44-151	6	20	04/15/09	04/15/09		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	55.1	53.3	1	1	110	107	40-148	3	20	04/15/09	04/15/09		
Methyl acetate	ug/L	ND	50	50	77.6	73.7	1	1	155	147	40-182	5	20	04/15/09	04/15/09		
Methyl-tert-butyl ether	ug/L	ND	100	100	87.5	89.9	1	1	88	90	52-156	3	20	04/15/09	04/15/09		
Methylcyclohexane	ug/L	ND	50	50	51.0	49.4J	1	1	102	99	44-158		20	04/15/09	04/15/09		
Methylene chloride	ug/L	ND	50	50	53.0	53.5	1	1	106	107	46-154	0.8	20	04/15/09	04/15/09		
Styrene	ug/L	ND	50	50	36.2	30.2	1	1	72	60	38-141	18	20	04/15/09	04/15/09		
Tetrachloroethene	ug/L	ND	50	50	49.2	46.6	1	1	98	93	25-146	6	20	04/15/09	04/15/09		
Toluene	ug/L	ND	50	50	52.0	48.8	1	1	104	98	59-142	6	20	04/15/09	04/15/09		
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.1	52.2	1	1	108	104	60-137	4	20	04/15/09	04/15/09		
trans-1,3-Dichloropropene	ug/L	ND	50	50	40.5	40.1	1	1	81	80	43-117	1	20	04/15/09	04/15/09		
Trichloroethene	ug/L	ND	50	50	50.7	48.6	1	1	101	97	61-137	4	20	04/15/09	04/15/09		
Trichlorofluoromethane	ug/L	ND	50	50	60.2	59.9	1	1	120	120	53-162	0.4	20	04/15/09	04/15/09		
Vinyl chloride	ug/L	ND	50	50	54.3	54.4	1	1	109	109	51-144	0.2	20	04/15/09	04/15/09		
Xylene (Total)	ug/L	ND	150	150	153	145	1	1	102	97	44-152	5	20	04/15/09	04/15/09		

Type	Sample	Client Sample ID
MS	287394	MW-0620-S1(041009)
MSD	287395	MW-0620-S1(041009)

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15692 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166025, 5025166028, 5025166029, 5025166030, 5025166031, 5025166032, 5025166033, 5025166037, 5025166038, 5025166039, 5025166040, 5025166041

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	04/16/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	04/16/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	04/16/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	04/16/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	04/16/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	04/16/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	04/16/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	04/16/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	04/16/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	04/16/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	04/16/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	04/16/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	04/16/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	04/16/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	04/16/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	04/16/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	04/16/09	
67-64-1	Acetone	ND	ug/L	100	6.6	04/16/09	
71-43-2	Benzene	ND	ug/L	5.0	1.2	04/16/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	04/16/09	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	04/16/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	04/16/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	04/16/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	04/16/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	04/16/09	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	04/16/09	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	04/16/09	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	04/16/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15692 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166025, 5025166028, 5025166029, 5025166030, 5025166031, 5025166032, 5025166033, 5025166037, 5025166038, 5025166039, 5025166040, 5025166041

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	04/16/09	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	04/16/09	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	04/16/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	04/16/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	04/16/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	04/16/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	04/16/09	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	04/16/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	04/16/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	04/16/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	04/16/09	
100-42-5	Styrene	ND	ug/L	5.0	0.86	04/16/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	04/16/09	
108-88-3	Toluene	ND	ug/L	5.0	1.2	04/16/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	04/16/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	04/16/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	04/16/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	04/16/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	04/16/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	04/16/09	

Type	Sample	Matrix
BLANK	287802	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV / 15692
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
287802	BLANK		1	99		105		99							
287803	LCS		1	98		97		101							
287804	MS		1	98		97		103							
287805	MSD		1	102		101		101							
5025166025	OQS	MW-0811-S2(040909)	1	95		105		98							
5025166028		MW-0802-S2(040909)	1	96		107		98							
5025166029		FD-1(040909)RW	1	96		106		99							
5025166030		MW-0809-S2(040909)	1	94		107		97							
5025166031		MW-0701-S2(040909)	1	93		109		99							
5025166032		MW-0644-S2(040909)	1	94		108		98							
5025166033		MW-0801-S2(040909)	1	95		108		97							
5025166037		MW-0616-S2(040909)	1	91		108		98							
5025166038		MW-0420-S2(041009)	1	91		107		96							
5025166039		MW-3-9-S2(041009)	1	91		107		98							
5025166040		MW-23-S2(041009)	1	92		109		98							
5025166041		MW-31-S2(041009)	1	94		108		101							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

Date: 04/30/2009 03:29 PM

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15692 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	98			69-136		50	49.1		ug/L	04/16/09			
1,1,2,2-Tetrachloroethane	91			69-131		50	45.4		ug/L	04/16/09			
1,1,2-Trichloroethane	99			77-132		50	49.6		ug/L	04/16/09			
1,1,2-Trichlorotrifluoroethane	112			70-130		50	56.1		ug/L	04/16/09			
1,1-Dichloroethane	88			67-133		50	43.9		ug/L	04/16/09			
1,1-Dichloroethene	96			63-128		50	48.0		ug/L	04/16/09			
1,2,4-Trichlorobenzene	92			60-130		50	46.1		ug/L	04/16/09			
1,2-Dibromo-3-chloropropane	87			61-125		50	43.5		ug/L	04/16/09			
1,2-Dibromoethane (EDB)	91			75-126		50	45.4		ug/L	04/16/09			
1,2-Dichlorobenzene	100			76-124		50	49.8		ug/L	04/16/09			
1,2-Dichloroethane	91			69-139		50	45.4		ug/L	04/16/09			
1,2-Dichloropropane	99			76-129		50	49.4		ug/L	04/16/09			
1,3-Dichlorobenzene	103			76-125		50	51.4		ug/L	04/16/09			
1,4-Dichlorobenzene	89			75-122		50	44.5		ug/L	04/16/09			
2-Butanone (MEK)	126			47-189		250	315		ug/L	04/16/09			
2-Hexanone	119			57-167		250	299		ug/L	04/16/09			
4-Methyl-2-pentanone (MIBK)	80			61-135		250	201		ug/L	04/16/09			
Acetone	190			30-170		250	475		ug/L	04/16/09		L0	
Benzene	97			78-127		50	48.6		ug/L	04/16/09			
Bromodichloromethane	100			69-133		50	49.8		ug/L	04/16/09			
Bromoform	88			60-127		50	44.1		ug/L	04/16/09			
Bromomethane	107			30-170		50	53.3		ug/L	04/16/09			
Carbon disulfide	90			58-152		100	90.2		ug/L	04/16/09			
Carbon tetrachloride	98			62-143		50	49.2		ug/L	04/16/09			
Chlorobenzene	100			75-123		50	50.2		ug/L	04/16/09			
Chloroethane	106			56-153		50	52.8		ug/L	04/16/09			
Chloroform	91			74-131		50	45.7		ug/L	04/16/09			
Chloromethane	100			35-147		50	50.2		ug/L	04/16/09			
cis-1,2-Dichloroethene	95			74-128		50	47.5		ug/L	04/16/09			

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15692
Method(s): EPA 8260

LCS Prepared:
LCSD Prepared:

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	86			58-123		50	43.2		ug/L	04/16/09			
Cyclohexane	105			63-134		50	52.5J		ug/L	04/16/09			
Dibromochloromethane	93			66-131		50	46.6		ug/L	04/16/09			
Dichlorodifluoromethane	90			30-170		50	45.0		ug/L	04/16/09			
Ethylbenzene	102			81-126		50	51.2		ug/L	04/16/09			
Isopropylbenzene (Cumene)	87			80-130		50	43.5		ug/L	04/16/09			
Methyl acetate	85			30-170		50	42.6J		ug/L	04/16/09			
Methyl-tert-butyl ether	87			66-147		100	87.4		ug/L	04/16/09			
Methylcyclohexane	96			65-135		50	47.9J		ug/L	04/16/09			
Methylene chloride	94			32-164		50	47.1		ug/L	04/16/09			
Styrene	92			74-128		50	46.0		ug/L	04/16/09			
Tetrachloroethene	88			60-119		50	44.2		ug/L	04/16/09			
Toluene	93			75-129		50	46.7		ug/L	04/16/09			
trans-1,2-Dichloroethene	99			71-126		50	49.5		ug/L	04/16/09			
trans-1,3-Dichloropropene	84			54-123		50	42.1		ug/L	04/16/09			
Trichloroethene	95			74-130		50	47.7		ug/L	04/16/09			
Trichlorofluoromethane	105			62-150		50	52.4		ug/L	04/16/09			
Vinyl chloride	98			55-141		50	49.0		ug/L	04/16/09			
Xylene (Total)	101			76-132		150	151		ug/L	04/16/09			

Type	Sample
LCS	287803

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15692
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	45.4	46.8	1	1	91	94	64-143	3	20	04/16/09	04/16/09		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	46.9	44.0	1	1	94	88	64-142	6	20	04/16/09	04/16/09		
1,1,2-Trichloroethane	ug/L	ND	50	50	52.3	49.8	1	1	105	100	71-143	5	20	04/16/09	04/16/09		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	54.8	54.7	1	1	110	109	70-130	0.3	20	04/16/09	04/16/09		
1,1-Dichloroethane	ug/L	ND	50	50	46.2	45.5	1	1	92	91	68-139	2	20	04/16/09	04/16/09		
1,1-Dichloroethene	ug/L	ND	50	50	47.8	46.8	1	1	96	94	55-140	2	20	04/16/09	04/16/09		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	42.5	42.2	1	1	85	84	28-140	0.8	20	04/16/09	04/16/09		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	39.5	39.5	1	1	79	79	39-140	0.09	20	04/16/09	04/16/09		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	46.6	44.8	1	1	93	90	67-134	4	20	04/16/09	04/16/09		
1,2-Dichlorobenzene	ug/L	ND	50	50	51.6	50.2	1	1	103	100	48-137	3	20	04/16/09	04/16/09		
1,2-Dichloroethane	ug/L	ND	50	50	48.4	47.7	1	1	97	95	63-148	2	20	04/16/09	04/16/09		
1,2-Dichloropropane	ug/L	ND	50	50	50.4	51.5	1	1	101	103	70-136	2	20	04/16/09	04/16/09		
1,3-Dichlorobenzene	ug/L	ND	50	50	51.8	50.7	1	1	104	101	40-143	2	20	04/16/09	04/16/09		
1,4-Dichlorobenzene	ug/L	ND	50	50	45.2	44.5	1	1	90	89	38-142	2	20	04/16/09	04/16/09		
2-Butanone (MEK)	ug/L	ND	250	250	204	207	1	1	82	83	62-132	1	20	04/16/09	04/16/09		
2-Hexanone	ug/L	ND	250	250	198	197	1	1	79	79	61-141	0.7	20	04/16/09	04/16/09		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	200	195	1	1	80	78	57-135	3	20	04/16/09	04/16/09		
Acetone	ug/L	ND	250	250	168	171	1	1	67	68	30-170	1	20	04/16/09	04/16/09		
Benzene	ug/L	ND	50	50	51.4	50.7	1	1	103	101	63-141	1	20	04/16/09	04/16/09		
Bromodichloromethane	ug/L	ND	50	50	50.6	51.4	1	1	101	103	63-135	2	20	04/16/09	04/16/09		
Bromoform	ug/L	ND	50	50	43.3	40.2	1	1	87	80	58-124	7	20	04/16/09	04/16/09		
Bromomethane	ug/L	ND	50	50	54.6	55.1	1	1	109	110	30-170	1	20	04/16/09	04/16/09		
Carbon disulfide	ug/L	ND	100	100	93.0	92.3	1	1	93	92	46-162	0.8	20	04/16/09	04/16/09		
Carbon tetrachloride	ug/L	ND	50	50	45.8	46.8	1	1	92	94	54-145	2	20	04/16/09	04/16/09		
Chlorobenzene	ug/L	ND	50	50	52.6	52.1	1	1	105	104	56-133	1	20	04/16/09	04/16/09		
Chloroethane	ug/L	ND	50	50	53.6	54.3	1	1	107	109	54-157	1	20	04/16/09	04/16/09		
Chloroform	ug/L	ND	50	50	48.9	48.4	1	1	96	95	67-134	0.9	20	04/16/09	04/16/09		
Chloromethane	ug/L	ND	50	50	50.9	51.3	1	1	102	103	36-137	0.8	20	04/16/09	04/16/09		
cis-1,2-Dichloroethene	ug/L	ND	50	50	50.4	49.6	1	1	101	99	65-132	2	20	04/16/09	04/16/09		

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15692
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	41.1	40.4	1	1	82	81	46-121	2	20	04/16/09	04/16/09		
Cyclohexane	ug/L	ND	50	50	50.7J	50.6J	1	1	101	101	39-167		20	04/16/09	04/16/09		
Dibromochloromethane	ug/L	ND	50	50	46.4	44.5	1	1	93	89	64-124	4	20	04/16/09	04/16/09		
Dichlorodifluoromethane	ug/L	ND	50	50	41.2	42.0	1	1	82	84	30-163	2	20	04/16/09	04/16/09		
Ethylbenzene	ug/L	ND	50	50	53.9	51.8	1	1	108	104	44-151	4	20	04/16/09	04/16/09		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	41.6	39.6	1	1	83	79	40-148	5	20	04/16/09	04/16/09		
Methyl acetate	ug/L	ND	50	50	39.1J	41.8J	1	1	78	84	40-182		20	04/16/09	04/16/09		
Methyl-tert-butyl ether	ug/L	ND	100	100	81.6	85.4	1	1	82	85	52-156	4	20	04/16/09	04/16/09		
Methylcyclohexane	ug/L	ND	50	50	47.1J	44.5J	1	1	94	89	44-158		20	04/16/09	04/16/09		
Methylene chloride	ug/L	ND	50	50	54.5	53.5	1	1	109	107	46-154	2	20	04/16/09	04/16/09		
Styrene	ug/L	ND	50	50	39.1	34.2	1	1	78	68	38-141	13	20	04/16/09	04/16/09		
Tetrachloroethene	ug/L	ND	50	50	44.1	41.2	1	1	88	82	25-146	7	20	04/16/09	04/16/09		
Toluene	ug/L	ND	50	50	49.4	46.7	1	1	98	93	59-142	6	20	04/16/09	04/16/09		
trans-1,2-Dichloroethene	ug/L	ND	50	50	50.9	50.2	1	1	102	100	60-137	1	20	04/16/09	04/16/09		
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.4	39.2	1	1	79	78	43-117	0.5	20	04/16/09	04/16/09		
Trichloroethene	ug/L	ND	50	50	50.8	49.2	1	1	102	98	61-137	3	20	04/16/09	04/16/09		
Trichlorofluoromethane	ug/L	ND	50	50	50.1	51.1	1	1	100	102	53-162	2	20	04/16/09	04/16/09		
Vinyl chloride	ug/L	ND	50	50	48.6	47.8	1	1	97	96	51-144	2	20	04/16/09	04/16/09		
Xylene (Total)	ug/L	ND	150	150	154	149	1	1	103	99	44-152	3	20	04/16/09	04/16/09		

Type	Sample	Client Sample ID
MS	287804	MW-0811-S2(040909)
MSD	287805	MW-0811-S2(040909)

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15693 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166036, 5025166042, 5025166043, 5025166044

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	1.5	04/16/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1.1	04/16/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.59	04/16/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1.6	04/16/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	1.1	04/16/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	1.6	04/16/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.95	04/16/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	4.2	04/16/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.51	04/16/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.59	04/16/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.57	04/16/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.78	04/16/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.92	04/16/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.66	04/16/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	5.6	04/16/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	2.7	04/16/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1.6	04/16/09	
67-64-1	Acetone	ND	ug/L	100	6.6	04/16/09	
71-43-2	Benzene	ND	ug/L	5.0	1.2	04/16/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.92	04/16/09	
75-25-2	Bromoform	ND	ug/L	5.0	1.2	04/16/09	
74-83-9	Bromomethane	ND	ug/L	5.0	1.6	04/16/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	3.0	04/16/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	1.7	04/16/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.91	04/16/09	
75-00-3	Chloroethane	ND	ug/L	5.0	1.7	04/16/09	
67-66-3	Chloroform	ND	ug/L	5.0	1.1	04/16/09	
74-87-3	Chloromethane	ND	ug/L	5.0	1.2	04/16/09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	1.2	04/16/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15693 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025166036, 5025166042, 5025166043, 5025166044

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.60	04/16/09	
110-82-7	Cyclohexane	ND	ug/L	100	4.5	04/16/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.58	04/16/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	1.5	04/16/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	1.2	04/16/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	1.0	04/16/09	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	04/16/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.87	04/16/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	04/16/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	2.9	04/16/09	
100-42-5	Styrene	ND	ug/L	5.0	0.86	04/16/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	1.3	04/16/09	
108-88-3	Toluene	ND	ug/L	5.0	1.2	04/16/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	1.3	04/16/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.54	04/16/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	1.2	04/16/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	1.4	04/16/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	1.5	04/16/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	3.4	04/16/09	

Type	Sample	Matrix
BLANK	287806	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV / 15693
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
287806	BLANK		1	93		108		97							
287807	LCS		1	96		98		101							
287808	MS		1	98		99		102							
287809	MSD		1	100		99		101							
5025166036	OQS	MW-0702-S2(040909)	1	95		110		98							
5025166042		MW-0116-S2(041009)	1	93		107		98							
5025166043		MW-0426-S2(041009)	1	95		108		97							
5025166044		MW-S2A-0501(041009)	1	89		102		95							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15693 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	90			69-136		50	45.1		ug/L	04/16/09			
1,1,2,2-Tetrachloroethane	93			69-131		50	46.4		ug/L	04/16/09			
1,1,2-Trichloroethane	102			77-132		50	50.9		ug/L	04/16/09			
1,1,2-Trichlorotrifluoroethane	103			70-130		50	51.6		ug/L	04/16/09			
1,1-Dichloroethane	85			67-133		50	42.7		ug/L	04/16/09			
1,1-Dichloroethene	90			63-128		50	45.0		ug/L	04/16/09			
1,2,4-Trichlorobenzene	80			60-130		50	40.1		ug/L	04/16/09			
1,2-Dibromo-3-chloropropane	77			61-125		50	38.3		ug/L	04/16/09			
1,2-Dibromoethane (EDB)	93			75-126		50	46.5		ug/L	04/16/09			
1,2-Dichlorobenzene	99			76-124		50	49.5		ug/L	04/16/09			
1,2-Dichloroethane	94			69-139		50	47.1		ug/L	04/16/09			
1,2-Dichloropropane	98			76-129		50	49.0		ug/L	04/16/09			
1,3-Dichlorobenzene	99			76-125		50	49.3		ug/L	04/16/09			
1,4-Dichlorobenzene	86			75-122		50	42.8		ug/L	04/16/09			
2-Butanone (MEK)	89			47-189		250	221		ug/L	04/16/09			
2-Hexanone	82			57-167		250	204		ug/L	04/16/09			
4-Methyl-2-pentanone (MIBK)	80			61-135		250	201		ug/L	04/16/09			
Acetone	100			30-170		250	249		ug/L	04/16/09			
Benzene	96			78-127		50	48.1		ug/L	04/16/09			
Bromodichloromethane	100			69-133		50	50.2		ug/L	04/16/09			
Bromoform	86			60-127		50	43.2		ug/L	04/16/09			
Bromomethane	105			30-170		50	52.4		ug/L	04/16/09			
Carbon disulfide	84			58-152		100	84.0		ug/L	04/16/09			
Carbon tetrachloride	90			62-143		50	45.1		ug/L	04/16/09			
Chlorobenzene	100			75-123		50	50.2		ug/L	04/16/09			
Chloroethane	100			56-153		50	50.0		ug/L	04/16/09			
Chloroform	91			74-131		50	45.5		ug/L	04/16/09			
Chloromethane	95			35-147		50	47.6		ug/L	04/16/09			
cis-1,2-Dichloroethene	95			74-128		50	47.7		ug/L	04/16/09			

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15693
Method(s): EPA 8260

LCS Prepared:
LCSD Prepared:

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	83			58-123		50	41.7		ug/L	04/16/09			
Cyclohexane	96			63-134		50	47.8J		ug/L	04/16/09			
Dibromochloromethane	95			66-131		50	47.3		ug/L	04/16/09			
Dichlorodifluoromethane	81			30-170		50	40.4		ug/L	04/16/09			
Ethylbenzene	99			81-126		50	49.6		ug/L	04/16/09			
Isopropylbenzene (Cumene)	84			80-130		50	42.1		ug/L	04/16/09			
Methyl acetate	81			30-170		50	40.4J		ug/L	04/16/09			
Methyl-tert-butyl ether	83			66-147		100	83.1		ug/L	04/16/09			
Methylcyclohexane	88			65-135		50	44.2J		ug/L	04/16/09			
Methylene chloride	98			32-164		50	48.8		ug/L	04/16/09			
Styrene	93			74-128		50	46.4		ug/L	04/16/09			
Tetrachloroethene	85			60-119		50	42.6		ug/L	04/16/09			
Toluene	93			75-129		50	46.7		ug/L	04/16/09			
trans-1,2-Dichloroethene	94			71-126		50	47.2		ug/L	04/16/09			
trans-1,3-Dichloropropene	80			54-123		50	39.8		ug/L	04/16/09			
Trichloroethene	94			74-130		50	47.2		ug/L	04/16/09			
Trichlorofluoromethane	98			62-150		50	49.0		ug/L	04/16/09			
Vinyl chloride	93			55-141		50	46.5		ug/L	04/16/09			
Xylene (Total)	99			76-132		150	148		ug/L	04/16/09			

Type	Sample
LCS	287807

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7726 Moller Road
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(317)875-5894

MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15693
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50	50	44.2	45.3	1	1	88	91	64-143	2	20	04/17/09	04/17/09		
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	49.3	48.4	1	1	99	97	64-142	2	20	04/17/09	04/17/09		
1,1,2-Trichloroethane	ug/L	ND	50	50	53.7	54.7	1	1	107	109	71-143	2	20	04/17/09	04/17/09		
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	55.0	54.0	1	1	110	108	70-130	2	20	04/17/09	04/17/09		
1,1-Dichloroethane	ug/L	ND	50	50	45.2	45.5	1	1	90	91	68-139	0.8	20	04/17/09	04/17/09		
1,1-Dichloroethene	ug/L	ND	50	50	46.3	46.7	1	1	93	93	55-140	0.8	20	04/17/09	04/17/09		
1,2,4-Trichlorobenzene	ug/L	ND	50	50	37.8	37.9	1	1	76	76	28-140	0.4	20	04/17/09	04/17/09		
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	39.7	41.9	1	1	79	84	39-140	5	20	04/17/09	04/17/09		
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	46.8	47.6	1	1	94	95	67-134	2	20	04/17/09	04/17/09		
1,2-Dichlorobenzene	ug/L	ND	50	50	49.1	50.3	1	1	98	101	48-137	2	20	04/17/09	04/17/09		
1,2-Dichloroethane	ug/L	ND	50	50	49.2	49.5	1	1	98	99	63-148	0.6	20	04/17/09	04/17/09		
1,2-Dichloropropane	ug/L	ND	50	50	52.1	53.4	1	1	104	107	70-136	2	20	04/17/09	04/17/09		
1,3-Dichlorobenzene	ug/L	ND	50	50	49.3	48.7	1	1	99	97	40-143	1	20	04/17/09	04/17/09		
1,4-Dichlorobenzene	ug/L	ND	50	50	42.1	43.1	1	1	84	86	38-142	2	20	04/17/09	04/17/09		
2-Butanone (MEK)	ug/L	ND	250	250	214	214	1	1	85	86	62-132	0.4	20	04/17/09	04/17/09		
2-Hexanone	ug/L	ND	250	250	201	212	1	1	80	85	61-141	5	20	04/17/09	04/17/09		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	205	212	1	1	82	85	57-135	3	20	04/17/09	04/17/09		
Acetone	ug/L	ND	250	250	187	189	1	1	75	75	30-170	0.9	20	04/17/09	04/17/09		
Benzene	ug/L	ND	50	50	50.4	50.7	1	1	101	101	63-141	0.5	20	04/17/09	04/17/09		
Bromodichloromethane	ug/L	ND	50	50	52.7	52.8	1	1	105	106	63-135	0.3	20	04/17/09	04/17/09		
Bromoform	ug/L	ND	50	50	44.5	44.3	1	1	89	89	58-124	0.5	20	04/17/09	04/17/09		
Bromomethane	ug/L	ND	50	50	53.7	54.1	1	1	107	108	30-170	0.6	20	04/17/09	04/17/09		
Carbon disulfide	ug/L	ND	100	100	87.8	87.5	1	1	88	87	46-162	0.4	20	04/17/09	04/17/09		
Carbon tetrachloride	ug/L	ND	50	50	44.3	45.4	1	1	89	91	54-145	3	20	04/17/09	04/17/09		
Chlorobenzene	ug/L	ND	50	50	50.7	51.7	1	1	101	103	56-133	2	20	04/17/09	04/17/09		
Chloroethane	ug/L	ND	50	50	51.4	52.8	1	1	103	106	54-157	3	20	04/17/09	04/17/09		
Chloroform	ug/L	ND	50	50	47.4	47.4	1	1	95	95	67-134	0.09	20	04/17/09	04/17/09		
Chloromethane	ug/L	ND	50	50	49.0	49.5	1	1	98	99	36-137	1	20	04/17/09	04/17/09		
cis-1,2-Dichloroethene	ug/L	2.8J	50	50	52.1	52.3	1	1	99	99	65-132	0.4	20	04/17/09	04/17/09		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MSV/15693
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50	50	39.9	41.3	1	1	80	83	46-121	3	20	04/17/09	04/17/09		
Cyclohexane	ug/L	ND	50	50	49.4J	48.9J	1	1	99	98	39-167		20	04/17/09	04/17/09		
Dibromochloromethane	ug/L	ND	50	50	48.4	48.6	1	1	97	97	64-124	0.5	20	04/17/09	04/17/09		
Dichlorodifluoromethane	ug/L	ND	50	50	40.9	41.9	1	1	82	84	30-163	2	20	04/17/09	04/17/09		
Ethylbenzene	ug/L	ND	50	50	51.0	51.4	1	1	102	103	44-151	0.9	20	04/17/09	04/17/09		
Isopropylbenzene (Cumene)	ug/L	ND	50	50	39.7	39.2	1	1	79	78	40-148	1	20	04/17/09	04/17/09		
Methyl acetate	ug/L	ND	50	50	40J	42.4J	1	1	80	85	40-182		20	04/17/09	04/17/09		
Methyl-tert-butyl ether	ug/L	ND	100	100	80.2	87.6	1	1	80	88	52-156	9	20	04/17/09	04/17/09		
Methylcyclohexane	ug/L	ND	50	50	45.9J	46.4J	1	1	92	93	44-158		20	04/17/09	04/17/09		
Methylene chloride	ug/L	ND	50	50	51.9	51.4	1	1	104	103	46-154	1	20	04/17/09	04/17/09		
Styrene	ug/L	ND	50	50	38.7	36.5	1	1	77	73	38-141	6	20	04/17/09	04/17/09		
Tetrachloroethene	ug/L	ND	50	50	41.8	41.8	1	1	84	84	25-146	0.09	20	04/17/09	04/17/09		
Toluene	ug/L	ND	50	50	47.7	47.4	1	1	95	95	59-142	0.6	20	04/17/09	04/17/09		
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.2	48.7	1	1	98	97	60-137	1	20	04/17/09	04/17/09		
trans-1,3-Dichloropropene	ug/L	ND	50	50	39.4	40.1	1	1	79	80	43-117	2	20	04/17/09	04/17/09		
Trichloroethene	ug/L	ND	50	50	47.6	48.6	1	1	95	97	61-137	2	20	04/17/09	04/17/09		
Trichlorofluoromethane	ug/L	ND	50	50	51.6	50.4	1	1	103	101	53-162	2	20	04/17/09	04/17/09		
Vinyl chloride	ug/L	ND	50	50	46.8	47.0	1	1	94	94	51-144	0.3	20	04/17/09	04/17/09		
Xylene (Total)	ug/L	ND	150	150	146	147	1	1	97	98	44-152	0.9	20	04/17/09	04/17/09		

Type	Sample	Client Sample ID
MS	287808	MW-0702-S2(040909)
MSD	287809	MW-0702-S2(040909)

REPORT OF LABORATORY ANALYSIS

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CCV: MSV 082D
QLS: MSV082E
LCS: MSV 082F

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std:

Method:

Surr. lot: NO MeOH
Cal. std: ALL: MSV 081E

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	bfb	4/07/09	10:29	ala	
1/A01CCV.D	ccv	L/	CCALIB_4	1	A8260	4/07/09	11:06	ala	mix = MSV 078E + 080C
1/A02LCS.D	lcs	L/	LCS	1	A8260	4/07/09	11:42	ala	mix = MSV 082A
1/A03MB.D	mb	L/	BLANK	1	A8260	4/07/09	12:19	ala	
1/A04.D	1ppb	L/	CALIB_1	1	A8260	4/07/09	13:05	ala	curve pert or due to QC failure
1/A05.D	5ppb	L/	CALIB_2	1	A8260	4/07/09	13:42	ala	
1/A06.D	10ppb	L/	CALIB_3	1	A8260	4/07/09	14:19	ala	
1/A07.D	50ppb	L/	CALIB_4	1	A8260	4/07/09	14:55	ala	
1/A07CCV.D	50ppb	L/	CCALIB_4	1	A8260	4/07/09	14:55	ala	
1/A08.D	100ppb	L/	CALIB_5	1	A8260	4/07/09	15:32	ala	
1/A09.D	150ppb	L/	CALIB_6	1	A8260	4/07/09	16:09	ala	
1/A10.D	200ppb	L/	CALIB_7	1	A8260	4/07/09	16:45	ala	
1/A11.D	300ppb	L/	CALIB_8	1	A8260	4/07/09	17:22	ala	
1/A12ICV.D	icv	L/	ICV	1	A8260	4/07/09	17:59	ala	
1/C01BFB.D	bfb050	L/	BFB	1	bfb	4/07/09	18:36	ala	
1/C02CCV.D	ccv	L/	CCALIB_4	1	A8260	4/07/09	19:12	ala	
1/C03LCS.D	lcs	L/	LCS	1	A8260	4/07/09	19:49	ala	
1/C04MB.D	mb	L/	BLANK	1	A8260	4/07/09	20:25	ala	
1/C05.D soil	5025026001 full	S/	SAMPLE	1	A8260	4/07/09	21:02	ala	
1/C06.D H2O	5025026002	L/	SAMPLE	1	A8260	4/07/09	21:38	ala	
1/C07.D	r5024734015	L/	SAMPLE	1000	A8260	4/07/09	22:15	ala	
1/C08.D	5024734022	L/	SAMPLE	1	A8260	4/07/09	22:51	ala	
1/C09.D	r5024734024	L/	SAMPLE	1000	A8260	4/07/09	23:28	ala	not need
1/C10.D	r5024734024	L/	SAMPLE	5000	A8260	4/08/09	00:04	ala	
1/C11.D	5024734025	L/	SAMPLE	100	A8260	4/08/09	00:41	ala	
1/C12.D	r5024734025	L/	SAMPLE	1000	A8260	4/08/09	01:17	ala	not needed
1/C13.D	5024759001	L/	SAMPLE	1	A8260	4/08/09	01:54	ala	pH ↑2
1/C14.D	5024759002	L/	SAMPLE	1	A8260	4/08/09	02:30	ala	
1/C15.D	5024759003	L/	SAMPLE	1	A8260	4/08/09	03:06	ala	
1/C16.D	5024759004	L/	SAMPLE	25	A8260	4/08/09	03:43	ala	DD-NIB-1x
1/C17.D	5024759005	L/	SAMPLE	1	A8260	4/08/09	04:19	ala	pH ↑2
1/C18.D	5024759006	L/	SAMPLE	1	A8260	4/08/09	04:56	ala	↓
1/C19.D	ms006	L/	MS	1	A8260	4/08/09	05:32	ala	↓

File Path 1: \\50wintarget\chem\50MSV5.i\a040709.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:47 04/08/2009

Page: 1

AA
4.8.09

CCV: MSV 082D
QCC: MSV 082E
LCS: MSV 082F

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std:

Method:

Surr. lot: No mcott used
Cal. std: Surr: MSV 081E

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/B00BFB.D	bfb050	L/	BFB	1	bfb	4/07/09	10:47	ala	
1/B01CCV.D	ccv	L/	CCALIB_4	1	B8260	4/07/09	11:24	ala	mix = MSV 078E + 080C
1/B02LCS.D	lcs	L/	LCS	1	B8260	4/07/09	12:00	ala	mix = MSV 082A
1/B03MB.D	mb	L/	BLANK	1	B8260	4/07/09	12:37	ala	
1/B04.D	1ppb	L/	CALIB_1	1	B8260	4/07/09	13:24	ala	curve put on due to QC failure.
1/B05.D	5ppb	L/	CALIB_2	1	B8260	4/07/09	14:00	ala	
1/B06.D	10ppb	L/	CALIB_3	1	B8260	4/07/09	14:37	ala	
1/B07.D	50ppb	L/	CALIB_4	1	B8260	4/07/09	15:14	ala	
1/B07CCV.D	50ppb	L/	CCALIB_4	1	B8260	4/07/09	15:14	ala	
1/B08.D	100ppb	L/	CALIB_5	1	B8260	4/07/09	15:50	ala	
1/B09.D	150ppb	L/	CALIB_6	1	B8260	4/07/09	16:27	ala	
1/B10.D	200ppb	L/	CALIB_7	1	B8260	4/07/09	17:04	ala	
1/B11.D	300ppb	L/	CALIB_8	1	B8260	4/07/09	17:41	ala	
1/B12ICV.D	icv	L/	ICV	1	B8260	4/07/09	18:17	ala	
1/D01BFB.D	bfb050	L/	BFB	1	bfb	4/07/09	18:54	ala	
1/D02CCV.D	ccv	L/	CCALIB_4	1	B8260	4/07/09	19:31	ala	
1/D03LCS.D	lcs	L/	LCS	1	B8260	4/07/09	20:07	ala	
1/D04MB.D	mb	L/	BLANK	1	B8260	4/07/09	20:44	ala	
1/D05.D WST	5024814008 BIMIN	L/	SAMPLE	1	B8260	4/07/09	21:20	ala	
1/D06.D	5024878003 BIM	L/	SAMPLE	1	B8260	4/07/09	21:57	ala	
1/D07.D	5024878004	L/	SAMPLE	1	B8260	4/07/09	22:33	ala	
1/D08.D	5024878005	L/	SAMPLE	1	B8260	4/07/09	23:10	ala	
1/D09.D	ms005	L/	MS	1	B8260	4/07/09	23:46	ala	
1/D10.D	msd005	L/	MSD	1	B8260	4/08/09	00:23	ala	
1/D11.D	5024878006	L/	SAMPLE	1	B8260	4/08/09	00:59	ala	
1/D12.D	5024878007	L/	SAMPLE	1	B8260	4/08/09	01:35	ala	
1/D13.D	5024878008	L/	SAMPLE	25	B8260	4/08/09	02:12	ala	OD - WLB
1/D14.D WST-S	5024881001 BTEX	S/	SAMPLE	1	B8260	4/08/09	02:48	ala	
1/D15.D	5024881002	S/	SAMPLE	1	B8260	4/08/09	03:25	ala	
1/D16.D	5024881003	S/	SAMPLE	1	B8260	4/08/09	04:01	ala	
1/D17.D	5024881004	S/	SAMPLE	1	B8260	4/08/09	04:38	ala	
1/D18.D	5024881009	S/	SAMPLE	1	B8260	4/08/09	05:14	ala	
1/D19.D	5024881010	S/	SAMPLE	1	B8260	4/08/09	05:51	ala	

File Path 1: \\50wintarget\chem\50MSV5.i\b040709.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:47 04/08/2009

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AA
4.8.09

CCV: MSV082D
gas: MSV085B
LCS: MSV082F

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std:

Method:
Surr. lot: No MeOH used
Cal. std: MSV084D

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	bfb	4/15/09	10:31	ala	
1/A01CCV.D	ccv	L/	CCALIB_4	1	A8260	4/15/09	11:07	ala	
1/A02LCS.D	lcs	L/	LCS	1	A8260	4/15/09	11:44	ala	
1/A03MB.D	mb	L/	BLANK	1	A8260	4/15/09	12:20	ala	
1/A04.D TC	5025041001 full	S/15648	SAMPLE	100	A8260	4/15/09	12:57	ala	Level III
1/A05.D	5025041003	S/15648	SAMPLE	100	A8260	4/15/09	13:34	ala	
1/A06.D	5025041009	S/	SAMPLE	1	A8260	4/15/09	14:11	ala	
1/A07.D	5025041015	S/	SAMPLE	1	A8260	4/15/09	14:48	ala	
1/A08.D	5025041021	S/15648	SAMPLE	100	A8260	4/15/09	15:24	ala	
1/A09.D H20	5025166015	L/	SAMPLE	1	A8260	4/15/09	16:01	ala	Level III
1/A10.D	ms015	L/	MS	1	A8260	4/15/09	16:38	ala	
1/A11.D	msd015	L/	MSD	1	A8260	4/15/09	17:14	ala	
1/A12.D	5025166016	L/	SAMPLE	1	A8260	4/15/09	17:51	ala	
1/A13.D	5025166017	L/	SAMPLE	1	A8260	4/15/09	18:27	ala	
1/A14.D	5025166018	L/	SAMPLE	1	A8260	4/15/09	19:04	ala	
1/A15.D	5025166023tb	L/	SAMPLE	1	A8260	4/15/09	19:40	ala	
1/A16.D	5025166024	L/	SAMPLE	1	A8260	4/15/09	20:17	ala	
1/A17.D	5025166026tb	L/	SAMPLE	1	A8260	4/15/09	20:54	ala	
1/A18.D	5025166027eb	L/	SAMPLE	1	A8260	4/15/09	21:30	ala	
1/A19	fill	L/	SAMPLE	1	A8260	4/15/09	22:07	ala	

AA
4.16.09

File Path 1: \\50wintarget\chem\50MSV5.i\a041509.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:20 04/16/2009

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INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

CCV: MSV 082D
gas: MSV 085B
LCS: MSV 082F

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: NO MeOH used
Cal. std: Surr: MSV 084D

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/B00BFB.D	bfb050	L/	BFB	1	bfb	4/15/09	10:49	ala	
1/B01CCV.D	ccv	L/	CCALIB_4	1	B8260	4/15/09	11:25	ala	CCV ↑VC ↓mtbe ↓T-
1/B02CCV.D	ccv	L/	CCALIB_4	1	B8260	4/15/09	12:02	ala	using LCS as passing QC
1/B02LCS.D	lcs	L/	LCS	1	B8260	4/15/09	12:02	ala	
1/B03MB.D	mb	L/	BLANK	1	B8260	4/15/09	12:39	ala	
1/B04.D H20	5025166001tb full	L/	SAMPLE	1	B8260	4/15/09	13:16	ala	Level III
1/B05.D	5025166002	L/	SAMPLE	1	B8260	4/15/09	13:53	ala	
1/B06.D	5025166003	L/	SAMPLE	1	B8260	4/15/09	14:29	ala	
1/B07.D	5025166004	L/	SAMPLE	1	B8260	4/15/09	15:06	ala	
1/B08.D	5025166005	L/	SAMPLE	1	B8260	4/15/09	15:43	ala	
1/B09.D	5025166006	L/	SAMPLE	1	B8260	4/15/09	16:19	ala	
1/B10.D	5025166007	L/	SAMPLE	1	B8260	4/15/09	16:56	ala	
1/B11.D	5025166008	L/	SAMPLE	1	B8260	4/15/09	17:32	ala	
1/B12.D	5025166009	L/	SAMPLE	1	B8260	4/15/09	18:09	ala	
1/B13.D	5025166010	L/	SAMPLE	1	B8260	4/15/09	18:46	ala	
1/B14.D	5025166011	L/	SAMPLE	1	B8260	4/15/09	19:22	ala	
1/B15.D	5025166012	L/	SAMPLE	1	B8260	4/15/09	19:59	ala	
1/B16.D	5025166013	L/	SAMPLE	1	B8260	4/15/09	20:35	ala	
1/B17.D	5025166014	L/	SAMPLE	1	B8260	4/15/09	21:12	ala	
1/B18.D	ms014	L/	MS	1	B8260	4/15/09	21:48	ala	
1/B19.D	msd014	L/	MSD	1	B8260	4/15/09	22:25	ala	

AA
4/16/09

File Path 1: \\50wintarget\chem\50MSV5.i\b041509.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:21 04/16/2009

CCV: MSV 082D
gas: MSV 085B
LCS: MSV 082F

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: No method used
Cal. std: curr: MSV 084D

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	bfb	4/16/09	10:20	ala	
1/A01CCV.D	ccv	L/	CCALIB_4	1	A8260	4/16/09	10:56	ala	CCV - 4E + mxp - using LCS
1/A02CCV.D	ccv	L/	CCALIB_4	1	A8260	4/16/09	11:32	ala	as opening QC
1/A02LCS.D	lcs	L/	LCS	1	A8260	4/16/09	11:32	ala	
1/A03MB.D	mb	L/	BLANK	1	A8260	4/16/09	12:08	ala	
1/A04.D H_2O	5025166025 full	L/	SAMPLE	1	A8260	4/16/09	12:44	ala	Level III
1/A05.D	ms025	L/	MS	1	A8260	4/16/09	13:20	ala	
1/A06.D	msd025	L/	MSD	1	A8260	4/16/09	13:56	ala	
1/A07.D	5025166028	L/	SAMPLE	1	A8260	4/16/09	14:32	ala	
1/A08.D	5025166029	L/	SAMPLE	1	A8260	4/16/09	15:08	ala	
1/A09.D	5025166030	L/	SAMPLE	1	A8260	4/16/09	15:44	ala	
1/A10.D	5025166031	L/	SAMPLE	1	A8260	4/16/09	16:19	ala	
1/A11.D	5025166032	L/	SAMPLE	1	A8260	4/16/09	16:55	ala	
1/A12.D	5025166033	L/	SAMPLE	1	A8260	4/16/09	17:31	ala	
1/A13.D	5025166037	L/	SAMPLE	1	A8260	4/16/09	18:07	ala	
1/A14.D	5025166038	L/	SAMPLE	1	A8260	4/16/09	18:43	ala	
1/A15.D	5025166039	L/	SAMPLE	1	A8260	4/16/09	19:18	ala	
1/A16.D	5025166040	L/	SAMPLE	1	A8260	4/16/09	19:54	ala	
1/A17.D	5025166041	L/	SAMPLE	1	A8260	4/16/09	20:30	ala	
1/A18.D	r5025166030	L/	SAMPLE	10	A8260	4/16/09	21:07	ala	
1/C01BFB.D	bfb050	L/	BFB	1	bfb	4/16/09	21:43	ala	
1/C02CCV.D	ccv	L/	CCALIB_4	1	A8260	4/16/09	22:19	ala	
1/C03LCS.D	lcs	L/	LCS	1	A8260	4/16/09	22:55	ala	
1/C04MB.D	mb	L/	BLANK	1	A8260	4/16/09	23:31	ala	
1/C05.D H_2O	5025166036 full	L/	SAMPLE	1	A8260	4/17/09	00:07	ala	Level III
1/C06.D	ms036	L/	MS	1	A8260	4/17/09	00:43	ala	
1/C07.D	msd036	L/	MSD	1	A8260	4/17/09	01:19	ala	
1/C08.D	5025166042	L/	SAMPLE	1	A8260	4/17/09	01:55	ala	
1/C09.D	5025166043	L/	SAMPLE	1	A8260	4/17/09	02:31	ala	
1/C10.D	5025166044	L/	SAMPLE	1	A8260	4/17/09	03:07	ala	

File Path 1: \\50wintarget\chem\50MSV5.i\a041609.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:19 04/17/2009

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AA
4/17/09

CCV: MSV 082D
gas: MSV 085B
LCS: MSV 082F

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV5.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std:

Method:

Surr. lot: No meoH used
Cal. std: curr: MSV 084D

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/A00BFB.D	bfb050	L/	BFB	1	bfb	4/17/09	10:30	ala	
1/A01CCV.D	ccv	L/	CCALIB_4	1	A8260	4/17/09	11:06	ala	
1/A02LCS.D	lcs	L/	LCS	1	A8260	4/17/09	11:42	ala	
1/A03MB.D	mb	L/	BLANK	1	A8260	4/17/09	12:18	ala	
1/A04.D H_2O	5025166044 full	L/15693	SAMPLE	25	A8260	4/17/09	12:54	ala	Level III
1/A05.D TC	5025269003	S/15695	SAMPLE	1000	A8260	4/17/09	13:30	ala	
1/A06.D	5025269004	S/15695	SAMPLE	1000	A8260	4/17/09	14:06	ala	
1/A07.D	5025184001	S/	SAMPLE	1	A8260	4/17/09	14:42	ala	Level III
1/A08.D	5025184002	S/	SAMPLE	1	A8260	4/17/09	15:18	ala	↓
1/A09.D	5025263001	S/	SAMPLE	1	A8260	4/17/09	15:54	ala	
1/A10.D	5025263002	S/	SAMPLE	1	A8260	4/17/09	16:30	ala	
1/A11.D	5025263003	S/	SAMPLE	1	A8260	4/17/09	17:06	ala	
1/A12.D	5025263004	S/	SAMPLE	1	A8260	4/17/09	17:42	ala	
1/A13 (Ø)	5025263005	S/	SAMPLE	1	A8260	4/17/09	18:18	ala	bad purge - NIB
1/A14.D	5025240001	S/	SAMPLE	1	A8260	4/17/09	18:54	ala	
1/A15 (Ø)	5025240002	S/	SAMPLE	50	A8260	4/17/09	19:30	ala	OD - NIB
1/A16 (Ø)	5025240003	S/	SAMPLE	50	A8260	4/17/09	20:06	ala	OD - NIB
1/A17.D	5025240005	S/	SAMPLE	50	A8260	4/17/09	20:42	ala	
1/A18.D	5025240006	S/	SAMPLE	1	A8260	4/17/09	21:18	ala	
1/C01BFB.D	bfb050	L/	BFB	1	bfb	4/17/09	21:54	ala	
1/C02CCV.D	ccv	L/	CCALIB_4	1	A8260	4/17/09	22:30	ala	
1/C03LCS.D	lcs	L/	LCS	1	A8260	4/17/09	23:06	ala	
1/C04MB.D	mb	L/	BLANK	1	A8260	4/17/09	23:41	ala	
1/C05.D H_2O	5025368002 full	L/	SAMPLE	1	A8260	4/18/09	00:17	ala	
1/C06 (Ø)	r5025368002	L/	SAMPLE	10	A8260	4/18/09	00:53	ala	not needed
1/C07.D	5025368003	L/	SAMPLE	1	A8260	4/18/09	01:29	ala	
1/C08 (Ø)	r5025368003	L/	SAMPLE	10	A8260	4/18/09	02:05	ala	not needed
1/C09.D	5025263006	L/	SAMPLE	1	A8260	4/18/09	02:42	ala	
1/C10.D	5025263007	L/	SAMPLE	1	A8260	4/18/09	03:18	ala	
1/C11.D	5025263008	L/	SAMPLE	1	A8260	4/18/09	03:54	ala	
1/C12.D	5025263009tb	L/	SAMPLE	1	A8260	4/18/09	04:30	ala	
1/C13.D	5025260010	L/	SAMPLE	1	A8260	4/18/09	05:06	ala	
1/C14.D	ms010	L/	MS	1	A8260	4/18/09	05:42	ala	

File Path 1: \\50wintarget\chem\50MSV5.i\a041709.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:50 04/20/2009

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AA
4.2009

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041509.B

Lab File ID (Standard): A01CCV Date Analyzed: 04/15/09

Instrument ID: 50MSV5 Time Analyzed: 1107

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	233343	7.36	131281	8.85	338481	4.24
	UPPER LIMIT	466686	7.86	262562	9.35	676962	4.74
	LOWER LIMIT	116672	6.86	65641	8.35	169241	3.74
	EPA SAMPLE NO.						
01	LCS	251012	7.36	137985	8.85	374606	4.24
02	MB	226478	7.36	113605	8.85	314856	4.24
03	41001	218311	7.36	108825	8.85	324400	4.24
04	41003	209748	7.36	103978	8.85	298972	4.23
05	41009	255777	7.36	136407	8.85	357319	4.24
06	41015	263343	7.36	124657	8.85	388442	4.24
07	41021	240305	7.36	120386	8.85	359198	4.23
08	66015	237067	7.36	113685	8.85	347243	4.24
09	MS015	255459	7.36	145039	8.85	375065	4.24
10	MSD015	262162	7.36	146853	8.85	383758	4.24
11	66016	217039	7.36	108619	8.85	318567	4.23
12	66017	207804	7.36	101824	8.85	302033	4.24
13	66018	199607	7.36	98809	8.85	284912	4.23
14	66023	197721	7.36	98298	8.85	283979	4.23
15	66024	212386	7.36	116113	8.84	300878	4.23
16	66026	220093	7.36	111013	8.84	328269	4.23
17	66027	207240	7.36	101815	8.84	306068	4.23
18	FILL	214289	7.36	106199	8.84	315228	4.23
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041509.B

Lab File ID (Standard): B02CCV Date Analyzed: 04/15/09

Instrument ID: 50MSV5 Time Analyzed: 1202

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	200005	7.36	107120	8.85	328971	4.24
	UPPER LIMIT	400010	7.86	214240	9.35	657942	4.74
	LOWER LIMIT	100003	6.86	53560	8.35	164486	3.74
	EPA SAMPLE NO.						
01	LCS	200005	7.36	107120	8.85	328971	4.24
02	MB	170150	7.36	66424	8.85	263792	4.23
03	66001	162435	7.36	63470	8.85	246249	4.23
04	66002	174299	7.36	83778	8.85	242680	4.23
05	66003	210804	7.36	100855	8.85	293238	4.23
06	66004	198387	7.36	81640	8.85	288600	4.23
07	66005	181000	7.36	71891	8.85	279033	4.23
08	66006	167523	7.36	66633	8.85	261328	4.23
09	66007	171621	7.36	69833	8.85	266271	4.23
10	66008	179863	7.36	73473	8.85	282626	4.23
11	66009	176728	7.36	67212	8.85	237622	4.23
12	66010	161599	7.36	64504	8.84	253518	4.23
13	66011	152906	7.36	60735	8.84	234092	4.23
14	66012	154466	7.36	58931	8.85	222896	4.23
15	66013	177790	7.36	76719	8.84	250253	4.23
16	66014	173005	7.36	65712	8.84	239751	4.23
17	MS014	191056	7.36	102934	8.84	303614	4.23
18	MSD014	188731	7.36	101207	8.84	299682	4.23
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Lab File ID (Standard): A02CCV Date Analyzed: 04/16/09

Instrument ID: 50MSV5 Time Analyzed: 1132

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	252486	7.36	135904	8.84	374057	4.23
	UPPER LIMIT	504972	7.86	271808	9.34	748114	4.73
	LOWER LIMIT	126243	6.86	67952	8.34	187029	3.73
	EPA SAMPLE NO.						
01	LCS	252486	7.36	135904	8.84	374057	4.23
02	MB	222521	7.36	109486	8.84	314813	4.23
03	66025	206625	7.36	101601	8.84	300247	4.23
04	MS025	231355	7.36	128506	8.84	343191	4.23
05	MSD025	234850	7.36	133257	8.84	336461	4.22
06	66028	203924	7.36	99013	8.84	292092	4.23
07	66029	207802	7.36	99345	8.84	303991	4.23
08	66030	210638	7.36	98670	8.84	307555	4.23
09	66031	193289	7.36	91854	8.84	279747	4.23
10	66032	186493	7.36	91826	8.84	265154	4.23
11	66033	196395	7.36	97745	8.84	273803	4.23
12	66037	189476	7.36	89294	8.84	271697	4.23
13	66038	190640	7.36	86328	8.84	265877	4.23
14	66039	188725	7.36	90837	8.84	265422	4.23
15	66040	182982	7.36	86511	8.84	261680	4.23
16	66041	200749	7.36	102330	8.84	290768	4.23
17	66030	189734	7.36	89228	8.84	273684	4.23
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Lab File ID (Standard): C02CCV Date Analyzed: 04/16/09

Instrument ID: 50MSV5 Time Analyzed: 2219

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	220028	7.36	121583	8.84	319811	4.23
	UPPER LIMIT	440056	7.86	243166	9.34	639622	4.73
	LOWER LIMIT	110014	6.86	60792	8.34	159906	3.73
	EPA SAMPLE NO.						
01	LCS	238816	7.36	130163	8.84	354301	4.23
02	MB	227069	7.36	105841	8.84	303234	4.23
03	66036	198466	7.36	96500	8.84	281163	4.23
04	MS036	231928	7.36	127442	8.84	335513	4.23
05	MSD036	235006	7.36	129789	8.84	342697	4.23
06	66042	205532	7.36	98841	8.84	293864	4.23
07	66043	197850	7.36	95744	8.84	283975	4.23
08	66044	206372	7.36	95777	8.84	304274	4.23
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041709.B

Lab File ID (Standard): A01CCV Date Analyzed: 04/17/09

Instrument ID: 50MSV5 Time Analyzed: 1106

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	223700	7.36	122390	8.84	322352	4.22
	UPPER LIMIT	447400	7.86	244780	9.34	644704	4.72
	LOWER LIMIT	111850	6.86	61195	8.34	161176	3.72
	EPA SAMPLE NO.						
01	LCS	238142	7.36	128563	8.84	353759	4.22
02	MB	207896	7.36	103357	8.84	295150	4.22
03	66044	194323	7.36	91221	8.84	274070	4.23
04	69003	209170	7.36	95803	8.84	300908	4.23
05	69004	193589	7.36	90845	8.84	280047	4.23
06	84001	200392	7.36	95480	8.84	287804	4.23
07	84002	193429	7.36	86331	8.84	285734	4.23
08	63001	188766	7.36	85860	8.84	269130	4.23
09	63002	172998	7.36	69512	8.84	252935	4.23
10	63003	184528	7.36	73479	8.84	244711	4.23
11	63004	173710	7.36	75446	8.84	257973	4.23
12	63005	10271*	7.36	397*	8.84	15902*	4.23
13	40001	214085	7.36	100325	8.84	308520	4.23
14	40002	189547	7.36	87409	8.84	268611	4.23
15	40003	194289	7.36	87418	8.84	256943	4.23
16	40005	212231	7.36	93676	8.84	261466	4.23
17	40006	197766	7.36	94457	8.84	292515	4.23
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

Pace Analytical®
www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Section 2: Initial Calibration Data

**** Initial Calibration Summary Table***
**** BFB Tune Information***
**** Initial Calibration Standards***
**** ICV Standard***

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 50MS/5C-1 4.7.09

ICAL 2: 50MS/5C-2 4.7.09

ICAL 3: _____

ICAL 4: _____

Report Date : 08-Apr-2009 12:04

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:05
End Cal Date : 07-APR-2009 17:22
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Last Edit : 08-Apr-2009 10:34 aallison

Calibration File Names:
Level 1: \\50wintarget\chem\50MSV5.i\a040709.b\A04.D
Level 2: \\50wintarget\chem\50MSV5.i\a040709.b\A05.D
Level 3: \\50wintarget\chem\50MSV5.i\a040709.b\A06.D
Level 4: \\50wintarget\chem\50MSV5.i\a040709.b\A07.D
Level 5: \\50wintarget\chem\50MSV5.i\a040709.b\A08.D
Level 6: \\50wintarget\chem\50MSV5.i\a040709.b\A09.D
Level 7: \\50wintarget\chem\50MSV5.i\a040709.b\A10.D
Level 8: \\50wintarget\chem\50MSV5.i\a040709.b\A11.D

All CCC's below 30% RSD
AA
4-8-09

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dichlorodifluoromethane	4620	8525	17020	101929	213438	317165					
	468948	777434					LINR	-0.05248	0.23642		0.99837
2 Chloromethane	5517	9321	18952	109220	231222	349556					
	521444	877688					LINR	-0.02496	0.26593		0.99853
3 Vinyl Chloride	0.34842	0.26620	0.26470	0.27345	0.26194	0.22956					
	0.23397	0.23600					AVRG		0.26428		14.37021

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Last Edit : 08-Apr-2009 10:34 aallison

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
4 Bromomethane	0.21773	0.16588	0.17691	0.20319	0.20306	0.18711					
	0.17742	0.13940					AVRG		0.18384		13.46634
139 Methyl Acetate	558	3319	6994	36019	98365	196182					
	286226	490960					LINR	0.16577	0.15227		0.99447
5 Chloroethane	3172	5007	10412	59667	126306	184679					
	271761	433405					LINR	-0.09731	0.13307		0.99755
6 Trichlorofluoromethane	0.65123	0.49810	0.54685	0.57394	0.54585	0.48066					
	0.47554	0.48086					AVRG		0.53163		11.45770
7 Diethyl ether	239	3072	7192	33686	74660	130502					
	171681	263848					LINR	-0.08471	0.08367		0.99356
8 Acrolein	0.01239	0.01054	0.01011	0.01304	0.01287	0.01160					
	0.01163	0.01160					AVRG		0.01172		8.86681
9 1,1-Dichloroethene	0.27222	0.25118	0.29565	0.23472	0.23092	0.23280					
	0.20999	0.19710					AVRG		0.24057		13.29477

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
10 1,1,2trichlorotrifluoroethane	2241	9644	23576	103662	221222	372362					
	484451	741519					LINR	-0.14398	0.23399		0.99187
11 Acetone	4625	11062	20629	82774	171850	265787					
	353438	517705					LINR	-1.29389	0.03267		0.98677
12 Iodomethane	2381	17803	56482	325208	735705	1258234					
	1665157	2553468					LINR	-0.13824	0.40684		0.99331
13 Carbon Disulfide	10421	46093	111409	486768	1051475	1756510					
	2295541	3499125					LINR	-0.28980	0.55275		0.99173
142 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
14 allyl chloride	0.41903	0.40242	0.46381	0.36936	0.37320	0.35709					
	0.32648	0.29025					AVRG		0.37520		14.41284
15 Methylene Chloride	6938	12887	23072	87336	183172	307934					
	404175	617888					LINR	-0.20276	0.19195		0.99374

NC
AA
4.809

Pace Analytical Services, Inc.

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Last Edit : 08-Apr-2009 10:34 aallison

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
16 Acrylonitrile	0.04117	0.04964	0.05278	0.04577	0.04611	0.04795					
	0.04419	0.04217					AVRG		0.04622		8.33263
17 tert-Butyl Alcohol	0.05748	0.07622	0.08354	0.07150	0.07103	0.07479					
	0.06654	0.06277					AVRG		0.07048		11.59227
18 1,2-Dichloroethene (trans)	0.24848	0.26877	0.31964	0.25583	0.25385	0.26543					
	0.24687	0.24397					AVRG		0.26286		9.33643
19 Methyl-tert-butyl ether	2070	12160	27576	157863	426673	843763					
	1235589	2104227					LINR	0.32735	0.32699		0.99519
20 n-Hexane	5363	11760	28867	134989	299978	516359					
	687999	1105811					LINR	-0.07048	0.34325		0.99754
21 1,1-Dichloroethane	0.44678	0.46873	0.53229	0.42447	0.43284	0.45387					
	0.41926	0.41329					AVRG		0.44894		8.57688
23 Vinyl Acetate	3144	22364	57473	393305	1020042	1899537					
	2585126	4174299					LINR	0.23887	0.32945		0.99745

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
	200.0000 Level 7	300.0000 Level 8										
143 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	NTC
24 2,2-Dichloropropane	328	2365	6907	40680	124317	268930						
	400662	747983					QUAD	0.14154	5.77650	-1.13222	0.99511	
144 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	NTC
25 1,2-Dichloroethene (cis)	0.24863	0.26158	0.31286	0.26427	0.27056	0.28423						
	0.26305	0.26159					AVRG		0.27085		7.26868	AA 4.809
26 2-Butanone	0.04290	0.06320	0.06984	0.06238	0.06383	0.06345						
	0.05829	0.05641					AVRG		0.06004		13.31720	
27 Propionitrile	+++++	115	950	5821	14043	25184						
	33663	54719					LINR	0.02924	0.01722		0.99724	
28 1,2-dichlorotrifluoroethane	0.35258	0.33200	0.39836	0.30520	0.29826	0.29932						
	0.26573	0.25005					AVRG		0.31269		15.23070	

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
29 Bromochloromethane	911	7170	16690	74090	161979	273775					
	365251	579816					LINR	-0.09099	0.18047		0.99677
30 Tetrahydrofuran	24224	26162	29119	44801	65538	94453					
	116323	160713					LINR	-2.16436	0.03764		0.99278
31 Chloroform	0.47839	0.47828	0.52369	0.42197	0.41848	0.43698					
	0.40350	0.39887					AVRG		0.44502		9.89106
33 1,1,1-Trichloroethane	+++++	6617	17713	98811	260636	485577					
	667140	1117875					LINR	0.10656	0.35026		0.99780
35 Carbon Tetrachloride	761	4682	13078	83372	230558	439640					
	606317	1027166					LINR	0.11952	0.32053		0.99713
36 1,1-Dichloropropene	0.20727	0.29164	0.35470	0.31607	0.32278	0.33578					
	0.31159	0.30972					AVRG		0.30619		14.41647
37 Isobutyl alcohol	0.21451	0.31598	0.34921	0.31188	0.31916	0.31724					
	0.29146	0.28206					AVRG		0.30019		13.31678

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
140 Cyclohexane	0.29880	0.35427	0.47176	0.41480	0.41604	0.43446					
	0.40208	0.39287					AVRG		0.39814		13.14533
38 Benzene	0.85708	0.89949	1.00972	0.88219	0.88630	0.92058					
	0.85259	0.83529					AVRG		0.89291		6.11081
39 1,2-Dichloroethane	0.21183	0.26887	0.30835	0.25345	0.25488	0.26753					
	0.24868	0.24614					AVRG		0.25746		10.51535
138 2,2,4-Trimethylpentane	0.68535	0.76037	1.04926	0.96586	0.98113	1.00891					
	0.94533	0.92465					AVRG		0.91511		13.78949
141 Methylcyclohexane	1328	8564	23894	130405	286673	497615					
	674418	1082932					LINR	-0.03331	0.33773		0.99818
41 Trichloroethene	4110	10459	20550	96413	215195	371424					
	498431	806978					LINR	-0.06504	0.24942		0.99824
42 1,2-Dichloropropane	+++++	0.20517	0.24819	0.22293	0.22969	0.24070					
	0.22329	0.22191					AVRG		0.22741		6.15482

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
43 Dibromomethane	346	3833	8690	42744	93469	160575						
	216131	345865					LINR	-0.06002	0.10763		0.99776	
44 Methyl methacrylate	+++++	920	2890	25485	65495	117810						
	163390	266551					LINR	0.09059	0.08421		0.99853	
147 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	NTC
45 Bromodichloromethane	0.19249	0.22612	0.26776	0.26039	0.27949	0.30194						
	0.27903	0.27647					AVRG		0.26046		13.40751	
46 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	NTC
47 cis-1,3-Dichloropropene	429	3908	9893	84148	228397	424128						
	586835	965678					LINR	0.11251	0.45614		0.99732	AA 4.809
48 4-Methyl-2-Pentanone	1800	13942	35635	218778	509675	895991						
	1217460	1939947					LINR	0.04234	0.18296		0.99779	

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
50 Toluene	1.89143	1.65739	1.79656	1.47828	1.47723	1.59212					
	1.46902	1.47461					AVRG		1.60458		10.25460
51 trans-1,3-Dichloropropene	+++++	2146	5891	55294	163275	316556					
	445402	754569					LINR	0.22365	0.35965		0.99584
52 Ethyl Methacrylate	+++++	1902	5866	50638	131321	234753					
	324624	517032					LINR	0.08619	0.24698		0.99738
53 1,1,2-Trichloroethane	0.13452	0.18282	0.20416	0.18350	0.18419	0.19706					
	0.18181	0.17977					AVRG		0.18098		11.39456
54 Tetrachloroethene	0.60897	0.48099	0.55105	0.50344	0.49916	0.50572					
	0.48309	0.48206					AVRG		0.51431		8.65095
55 1,3-Dichloropropane	0.24897	0.33818	0.39712	0.37308	0.36610	0.38958					
	0.36027	0.35529					AVRG		0.35357		13.07367
56 2-Hexanone	1000	8377	23070	138417	330098	570953					
	780684	1248232					LINR	0.06158	0.11756		0.99816

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
57 Dibromochloromethane	127	3880	8818	66385	164024	291411					
	397779	652081					LINR	0.05852	0.30641		0.99828
58 1,2-Dibromoethane	110	2836	7885	56984	132682	228727					
	310652	495146					LINR	0.01056	0.23392		0.99778
60 Chlorobenzene	1.02483	1.07918	1.20480	0.98174	0.99183	1.06643					
	0.98720	1.00791					AVRG		1.04299		7.16434
61 1,1,1,2-Tetrachloroethane	256	3292	9152	70283	174713	321721					
	447710	761678					LINR	0.11569	0.35487		0.99765
62 Ethylbenzene	0.45257	0.53364	0.62407	0.56404	0.55980	0.61129					
	0.56330	0.57763					AVRG		0.56079		9.36463
63 m&p-Xylene	0.57842	0.71260	0.81748	0.70960	0.72341	0.81930					
	0.76398	0.79844					AVRG		0.74040		10.74911
65 o-Xylene	0.50044	0.60880	0.73645	0.65822	0.67143	0.75460					
	0.69701	0.73469					AVRG		0.67021		12.49903

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Method file : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Last Edit : 08-Apr-2009 10:34 aallison

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
66 Styrene	2551	20371	52540	262786	596586	1084559					
	1485810	2542421					LINR	0.06100	1.17177		0.99774
67 Bromoform	+++++	1579	3745	28908	75259	142626					
	194218	330878					LINR	0.11489	0.27760		0.99686
68 Isopropylbenzene	3978	27707	71461	361819	812647	1471178					
	2062769	3534144					LINR	0.07329	1.62580		0.99774
69 trans-1,4-Dichloro-2-butene	+++++	637	1659	9906	25450	47492					
	67980	111812					LINR	0.14109	0.05285		0.99757
71 Bromobenzene	0.41951	0.52584	0.61009	0.50246	0.48726	0.53718					
	0.49154	0.50661					AVRG		0.51006		10.51150
72 1,1,2,2-Tetrachloroethane	0.32697	0.42689	0.48510	0.43455	0.44138	0.45856					
	0.42018	0.41696					AVRG		0.42632		10.78010
73 1,2,3-Trichloropropane	0.24511	0.34281	0.39893	0.36802	0.38250	0.41219					
	0.38355	0.37562					AVRG		0.36359		14.32871

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:05
End Cal Date : 07-APR-2009 17:22
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Last Edit : 08-Apr-2009 10:34 aallison

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
74 n-Propylbenzene	3.02688	3.55279	4.33295	3.71762	3.66639	3.87153					
	3.49559	3.48048					AVRG		3.64303		10.21953
75 2-Chlorotoluene	1.96640	2.21288	2.44410	2.05622	2.01336	2.12846					
	1.92935	1.90482					AVRG		2.08195		8.58900
76 4-Chlorotoluene	0.66675	0.82019	0.95101	0.82483	0.83289	0.92081					
	0.85388	0.90183					AVRG		0.84652		10.30017
77 1,3,5-Trimethylbenzene	1.81915	2.35102	2.89388	2.65608	2.70617	2.97336					
	2.79220	2.89816					AVRG		2.63625		14.53109
78 tert-Butylbenzene	2.11731	2.48636	3.17598	2.99048	3.11423	3.45696					
	3.17522	3.37701					AVRG		2.98669		15.32932
79 1,2,4-Trimethylbenzene	1.68561	2.31131	2.81970	2.52429	2.60856	2.78545					
	2.58667	2.70663					AVRG		2.50353		14.67622
80 sec-Butylbenzene	2.29886	3.08092	3.93496	3.57591	3.55792	3.81309					
	3.45052	3.46910					AVRG		3.39766		15.06635

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:05
End Cal Date : 07-APR-2009 17:22
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Last Edit : 08-Apr-2009 10:34 aallison

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
81 1,3-Dichlorobenzene	1.31932	1.53932	1.72274	1.49679	1.49389	1.62874					
	1.49872	1.56453					AVRG		1.53301		7.63429
83 p-Isopropyltoluene	2.11731	2.48636	3.17598	2.99048	3.11423	3.45696					
	3.17522	3.37701					AVRG		2.98669		15.32932
84 1,4-Dichlorobenzene	1.67007	1.63240	1.83617	1.52561	1.50974	1.63553					
	1.50662	1.51096					AVRG		1.60339		7.19779
85 1,2-Dichlorobenzene	1.13914	1.36376	1.54897	1.31240	1.31594	1.42230					
	1.30417	1.35164					AVRG		1.34479		8.61382
86 n-Butylbenzene	3449	24937	68668	369394	824427	1456472					
	2013073	3372539					LINR	0.00332	2.78186		0.99877
87 1,2-Dibromo-3-chloropropane	+++++	+++++	647	5479	15178	28273					
	40236	65975					LINR	0.15686	0.05639		0.99693
88 1,2,4-Trichlorobenzene	841	7078	18774	113462	254375	451059					
	630792	1058729					LINR	0.02242	0.87397		0.99907

PRL = 10ppb
AA
4809

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:05
End Cal Date : 07-APR-2009 17:22
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Last Edit : 08-Apr-2009 10:34 aallison

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 Hexachlorobutadiene	649	6176	15332	78053	174342	312259					
	432079	741025					LINR	0.02268	0.60696		0.99871
90 Naphthalene	983	8127	24738	173841	413762	751014					
	1036840	1685769					LINR	0.02936	1.41573		0.99756
91 1,2,3-Trichlorobenzene	842	6261	17019	93515	213111	374721					
	514474	852980					LINR	-0.00396	0.70690		0.99833
92 2,methyl-naphthalene	+++++	750	4532	68007	201303	400674					
	569836	942179					LINR	0.20134	0.80813		0.99596
$ 32 Dibromofluoromethane (S)	0.28380	0.27624	0.27869	0.26573	0.26860	0.26527					
	0.26456	0.26567					AVRG		0.27107		2.74196
$ 49 Toluene-d8	1.40108	1.45270	1.44880	1.45315	1.42805	1.45389					
	1.43190	1.43683					AVRG		1.43830		1.26429
$ 70 4-Bromofluorobenzene	0.42535	0.43962	0.45048	0.42868	0.41549	0.42899					
	0.41622	0.41057					AVRG		0.42693		3.11580

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:05
End Cal Date : 07-APR-2009 17:22
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Last Edit : 08-Apr-2009 10:34 aallison

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A00BFB.D

Date : 07-APR-2009 10:29

Client ID: bfb050

Instrument: 50MSV5.i

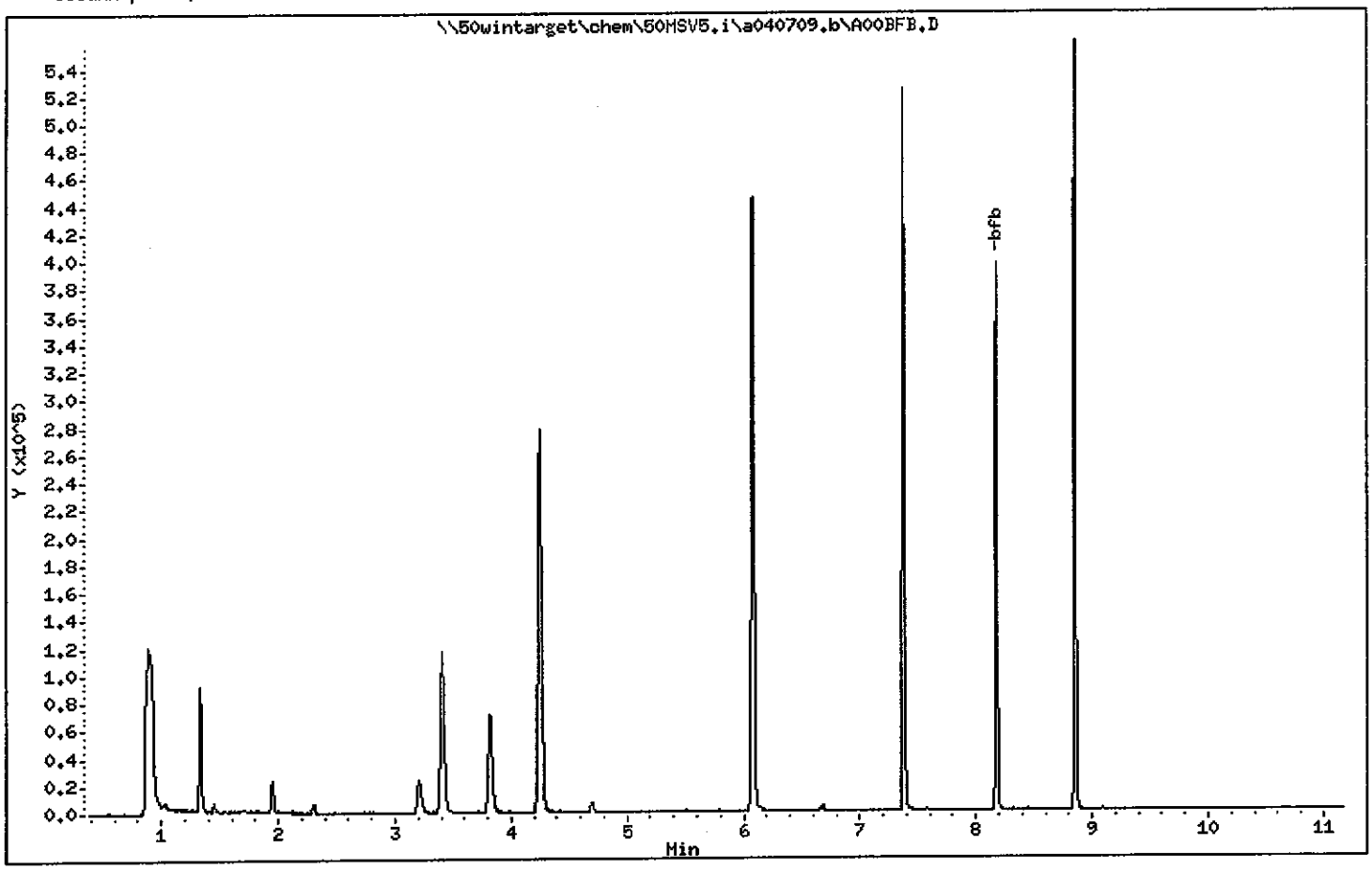
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A00BFB.D

Date : 07-APR-2009 10:29

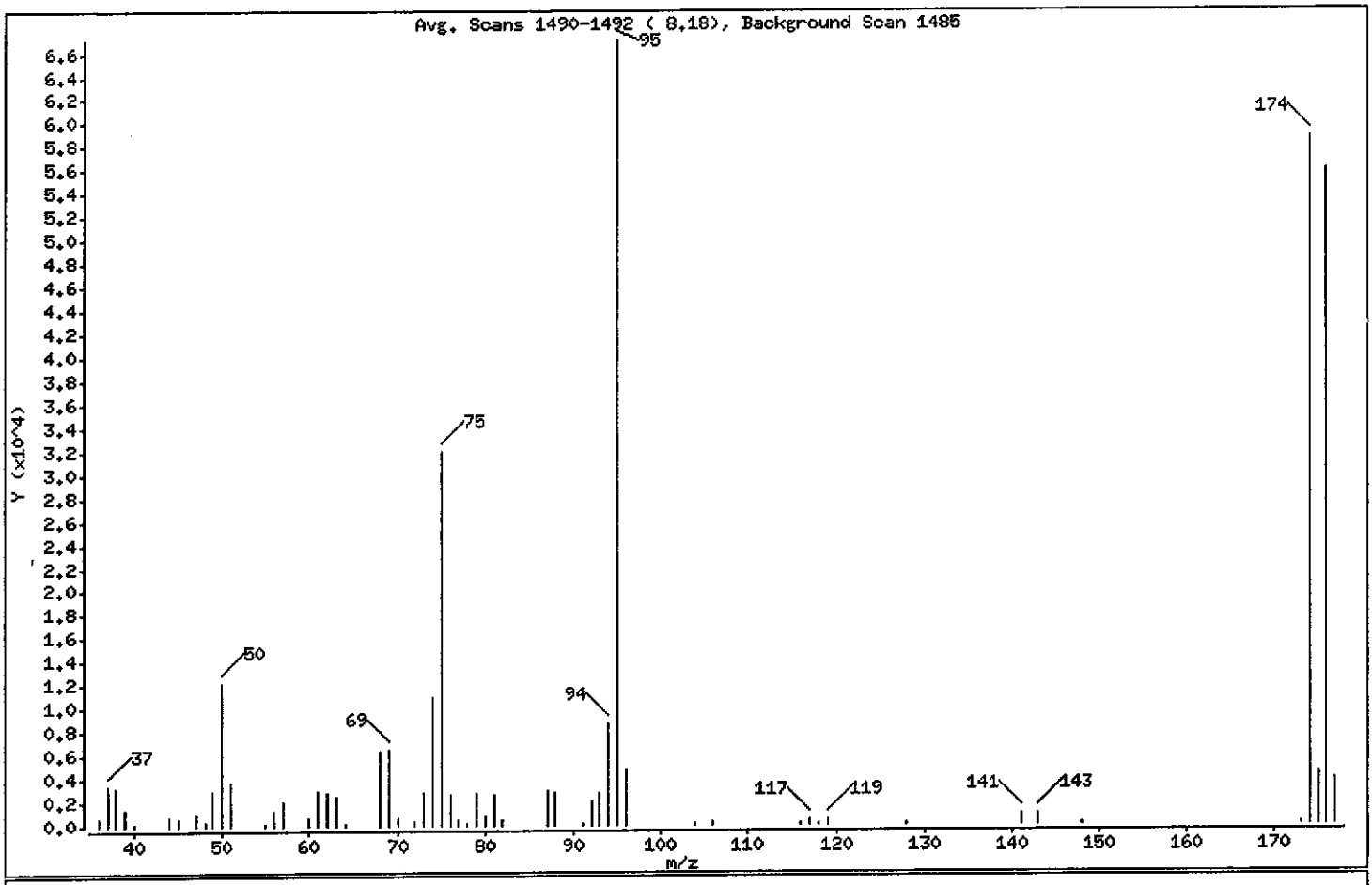
Client ID: bfb050 Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0 Operator: ala

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	18.11
75	30.00 - 60.00% of mass 95	47.68
96	5.00 - 9.00% of mass 95	7.08
173	Less than 2.00% of mass 174	0.28 (0.32)
174	50.00 - 100.00% of mass 95	87.36
175	5.00 - 9.00% of mass 174	6.59 (7.55)
176	95.00 - 101.00% of mass 174	83.25 (95.30)
177	5.00 - 9.00% of mass 176	5.69 (6.83)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A00BFB.D

Date : 07-APR-2009 10:29

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: A00BFB.D
Spectrum: Avg. Scans 1490-1492 (8.18), Background Scan 1485
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	678	60.00	567	79.00	2813	117.00	514
37.00	3325	61.00	3003	80.00	706	118.00	216
38.00	3264	62.00	2822	81.00	2608	119.00	464
39.00	1337	63.00	2405	82.00	460	128.00	132
40.00	102	64.00	142	87.00	2878	141.00	876
44.00	763	68.00	6356	88.00	2852	143.00	943
45.00	641	69.00	6408	91.00	228	148.00	110
47.00	949	70.00	615	92.00	1931	173.00	189
48.00	321	72.00	256	93.00	2807	174.00	58680
49.00	2898	73.00	2744	94.00	8581	175.00	4429
50.00	12165	74.00	10923	95.00	67168	176.00	55920
51.00	3647	75.00	32024	96.00	4755	177.00	3819
55.00	108	76.00	2560	104.00	183		
56.00	1299	77.00	397	106.00	294		
57.00	2082	78.00	151	116.00	214		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A04.D
Lab Smp Id: 1ppb Client Smp ID: 1ppb
Inj Date : 07-APR-2009 13:05
Operator : ala Inst ID: 50MSV5.i
Smp Info : 1ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 14:45 Cal File: A07.D
Als bottle: 9 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.975	(0.228)	4620	2.00000	2.66(M)
2 Chloromethane	50	1.064	1.070	(0.250)	5517	2.00000	2.97
3 Vinyl Chloride	62	1.106	1.106	(0.260)	4431	2.00000	2.55(Q)
4 Bromomethane	94	1.258	1.263	(0.296)	2769	2.00000	2.14
139 Methyl Acetate	43	2.116	2.121	(0.497)	558	1.00000	0.910(M)
5 Chloroethane	64	1.305	1.300	(0.307)	3172	2.00000	3.12(M)
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	8282	2.00000	2.27
7 Diethyl ether	74	1.551	1.551	(0.365)	239	2.00000	0.417(QM)
8 Acrolein	56	1.619	1.624	(0.381)	3152	40.0000	38.0
9 1,1-Dichloroethene	96	1.676	1.682	(0.394)	1731	1.00000	1.16(M)
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	2241	1.00000	1.27
11 Acetone	43	1.697	1.697	(0.399)	4625	5.00000	16.4(M)
12 Iodomethane	142	1.776	1.770	(0.417)	2381	2.00000	0.860(M)
13 Carbon Disulfide	76	1.812	1.812	(0.426)	10421	2.00000	2.52(M)
14 allyl chloride	41	1.875	1.875	(0.441)	5329	2.00000	2.27(M)
15 Methylene Chloride	84	1.943	1.948	(0.457)	6938	1.00000	4.67(M)
16 Acrylonitrile	53	2.100	2.100	(0.494)	5236	20.0000	18.0(M)
17 tert-Butyl Alcohol	59	1.546	1.551	(0.363)	731	2.00000	1.61(M)
18 1,2-Dichloroethene (trans)	96	2.116	2.121	(0.497)	1580	1.00000	0.971(M)
19 Methyl-tert-butyl ether	73	2.116	2.121	(0.497)	2070	2.00000	1.54(Q)
20 n-Hexane	57	2.304	2.304	(0.542)	5363	1.00000	2.33(M)
21 1,1-Dichloroethane	63	2.414	2.419	(0.567)	2841	1.00000	1.05(M)
23 Vinyl Acetate	43	2.450	2.450	(0.576)	3144	4.00000	1.88(M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	328	1.00000	0.474 (M)
	25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	1581	1.00000	0.941 (M)
	26 2-Butanone	43	2.932	2.932	(0.689)	1364	5.00000	3.44 (M)
	28 1,2-dichlorotrifluoroethane	67	1.540	1.546	(0.362)	2242	1.00000	1.16 (M)
	29 Bromochloromethane	49	3.141	3.146	(0.738)	911	1.00000	0.723 (M)
	30 Tetrahydrofuran	42	3.204	3.209	(0.753)	24224	1.00000	31.8 (M)
	31 Chloroform	83	3.230	3.230	(0.759)	3042	1.00000	1.13 (M)
$	32 Dibromofluoromethane (S)	113	3.408	3.413	(0.801)	90231	50.0000	53.4
	33 1,1,1-Trichloroethane	97	3.439	3.439	(0.808)	1112	1.00000	0.661 (QM)
	35 Carbon Tetrachloride	117	3.617	3.632	(0.850)	761	1.00000	0.536 (QM)
	36 1,1-Dichloropropene	75	3.627	3.632	(0.853)	1318	1.00000	0.656 (QM)
	37 Isobutyl alcohol	43	2.932	2.932	(0.689)	1364	1.00000	0.688 (M)
	140 Cyclohexane	56	3.491	3.496	(0.821)	1900	1.00000	0.720
	38 Benzene	78	3.899	3.899	(0.916)	5450	1.00000	0.972 (M)
	39 1,2-Dichloroethane	62	3.925	3.925	(0.923)	1347	1.00000	0.836 (QM)
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	4358	1.00000	0.710
	141 Methylcyclohexane	55	4.919	4.914	(1.156)	1328	1.00000	0.598 (M)
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	317939	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.103)	4110	1.00000	2.50
	42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	674	1.00000	0.475 (M)
	43 Dibromomethane	93	5.086	5.086	(1.195)	346	1.00000	0.476 (QM)
	45 Bromodichloromethane	83	5.290	5.285	(1.243)	1224	1.00000	0.739 (M)
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	429	1.00000	0.297 (QM)
	48 4-Methyl-2-Pentanone	43	6.002	5.997	(0.814)	1800	5.00000	2.39 (M)
$	49 Toluene-d8	98	6.080	6.080	(0.825)	307264	50.0000	48.2
	50 Toluene	91	6.148	6.153	(0.834)	8296	1.00000	1.28
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	590	1.00000	0.733 (QM)
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	2671	1.00000	1.21
	55 1,3-Dichloropropane	76	6.724	6.729	(0.912)	1092	1.00000	0.667 (QM)
	56 2-Hexanone	43	6.833	6.828	(0.927)	1000	5.00000	2.10 (M)
	57 Dibromochloromethane	129	6.912	6.917	(0.938)	127	1.00000	0.111 (M)
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	110	1.00000	0.112 (QM)
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	219305	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	4495	1.00000	1.04 (QM)
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	256	1.00000	0.212 (QM)
	62 Ethylbenzene	106	7.482	7.482	(1.015)	1985	1.00000	0.802
	63 m&p-Xylene	106	7.571	7.571	(1.027)	5074	2.00000	1.63
	65 o-Xylene	106	7.843	7.843	(1.064)	2195	1.00000	0.760 (M)
	66 Styrene	104	7.853	7.853	(1.065)	2551	1.00000	0.565
	68 Isopropylbenzene	105	8.444	8.444	(1.145)	3978	1.00000	0.640
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	93281	50.0000	49.6
	71 Bromobenzene	77	8.266	8.266	(1.121)	1840	1.00000	0.835 (M)
	72 1,1,2,2-Tetrachloroethane	83	8.272	8.277	(0.934)	715	1.00000	0.752 (M)
	73 1,2,3-Trichloropropane	75	8.293	8.298	(0.937)	536	1.00000	0.666 (QM)
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	6619	1.00000	0.814 (M)
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	4300	1.00000	0.956 (M)
	76 4-Chlorotoluene	126	8.455	8.449	(0.955)	1458	1.00000	0.808
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	3978	1.00000	0.685
	78 tert-Butylbenzene	119	8.633	8.633	(0.975)	4630	1.00000	0.708
	79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	3686	1.00000	0.668
	80 sec-Butylbenzene	105	8.753	8.753	(0.989)	5027	1.00000	0.643 (M)
	81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	2885	1.00000	0.881 (M)
*	82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	109337	50.0000	
	83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	4630	1.00000	0.708

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	3652	1.00000	1.09(QM)
85 1,2-Dichlorobenzene	146	9.067	9.072	(1.024)	2491	1.00000	0.868(M)
86 n-Butylbenzene	91	9.056	9.051	(1.023)	3449	1.00000	0.582(M)
88 1,2,4-Trichlorobenzene	180	9.898	9.893	(1.118)	841	1.00000	0.462(QM)
89 Hexachlorobutadiene	225	9.977	9.972	(1.127)	649	1.00000	0.518(M)
90 Naphthalene	128	10.034	10.029	(1.134)	983	1.00000	0.352(M)
91 1,2,3-Trichlorobenzene	180	10.160	10.155	(1.148)	842	1.00000	0.561(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A04.D
Lab Smp Id: 1ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 1ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	317939	-14.92
59 Chlorobenzene-d5	255255	127628	510510	219305	-14.08
82 1,4-Dichlorobenze	136223	68112	272446	109337	-19.74

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	2.66	
74-87-3	Chloromethane	2.97	
75-01-4	Vinyl Chloride	2.55	
74-83-9	Bromomethane	2.14	
79-20-9	Methyl Acetate	0.910	
75-00-3	Chloroethane	3.12	
75-69-4	Trichlorofluoromethane	2.27	
60-29-7	Diethyl ether	0.417	
107-02-8	Acrolein	38.0	
75-35-4	1,1-Dichloroethene	1.16	
76-13-1	1,1,2trichlorotrifluoroethan	1.27	
67-64-1	Acetone	16.4	
	Iodomethane	0.860	
75-15-0	Carbon Disulfide	2.52	
107-05-1	allyl chloride	2.27	
75-09-2	Methylene Chloride	4.67	
107-13-1	Acrylonitrile	18.0	
75-65-0	tert-Butyl Alcohol	1.61	
156-60-5	1,2-Dichloroethene (trans)	0.971	
1634-04-4	Methyl-tert-butyl ether	1.54	
	n-Hexane	2.33	
75-34-3	1,1-Dichloroethane	1.05	
108-05-4	Vinyl Acetate	1.88	
594-20-7	2,2-Dichloropropane	0.474	
156-59-2	1,2-Dichloroethene (cis)	0.941	
78-93-3	2-Butanone	3.44	
354-23-4	1,2-dichlorotrifluoroethane	1.16	
74-97-5	Bromochloromethane	0.723	
	Tetrahydrofuran	31.8	
67-66-3	Chloroform	1.13	
71-55-6	1,1,1-Trichloroethane	0.661	
56-23-5	Carbon Tetrachloride	0.536	
563-58-6	1,1-Dichloropropene	0.656	
78-83-1	Isobutyl alcohol	0.688	
110-82-7	Cyclohexane	0.720	
71-43-2	Benzene	0.972	
107-06-2	1,2-Dichloroethane	0.836	
540-84-1	2,2,4-Trimethylpentane	0.710	
108-87-2	Methylcyclohexane	0.598	
79-01-6	Trichloroethene	2.50	
78-87-5	1,2-Dichloropropane	0.475	
74-95-3	Dibromomethane	0.476	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

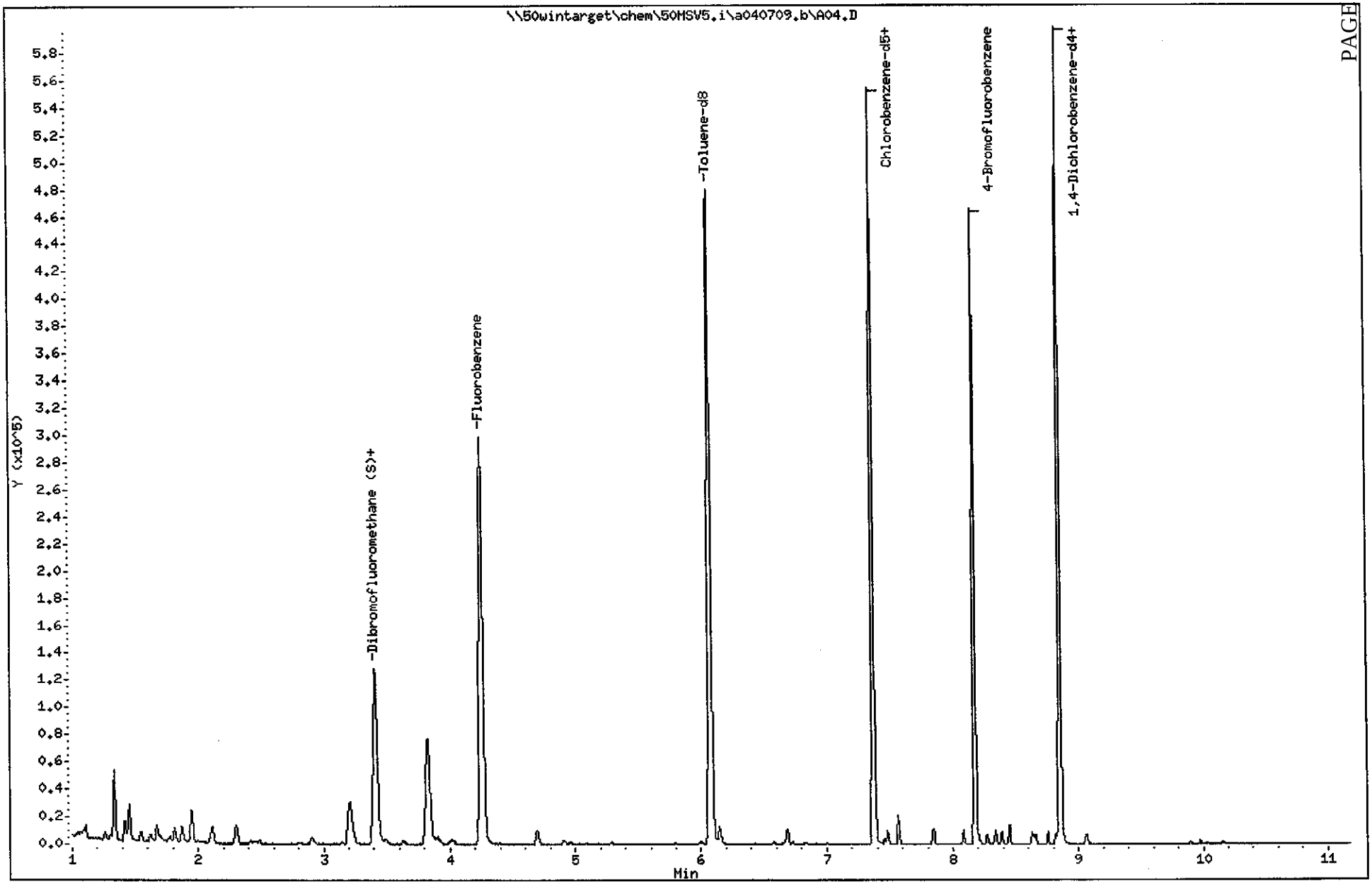
Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-27-4	Bromodichloromethane	0.739	
10061-01-5	cis-1,3-Dichloropropene	0.297	
108-10-1	4-Methyl-2-Pentanone	2.39	
108-88-3	Toluene	1.28	
79-00-5	1,1,2-Trichloroethane	0.733	
127-18-4	Tetrachloroethene	1.21	
142-28-9	1,3-Dichloropropane	0.667	
591-78-6	2-Hexanone	2.10	
124-48-1	Dibromochloromethane	0.111	
106-93-4	1,2-Dibromoethane	0.112	
108-90-7	Chlorobenzene	1.04	
630-20-6	1,1,1,2-Tetrachloroethane	0.212	
100-41-4	Ethylbenzene	0.802	
7816-60-0	m&p-Xylene	1.63	
95-47-6	o-Xylene	0.760	
100-42-5	Styrene	0.565	
98-82-8	Isopropylbenzene	0.640	
108-86-1	Bromobenzene	0.835	
79-34-5	1,1,2,2-Tetrachloroethane	0.752	
96-18-4	1,2,3-Trichloropropane	0.666	
103-65-1	n-Propylbenzene	0.814	
95-49-8	2-Chlorotoluene	0.956	
106-43-4	4-Chlorotoluene	0.808	
108-67-8	1,3,5-Trimethylbenzene	0.685	
98-06-6	tert-Butylbenzene	0.708	
95-63-6	1,2,4-Trimethylbenzene	0.668	
135-98-8	sec-Butylbenzene	0.643	
541-73-1	1,3-Dichlorobenzene	0.881	
99-87-6	p-Isopropyltoluene	0.708	
106-46-7	1,4-Dichlorobenzene	1.09	
95-50-1	1,2-Dichlorobenzene	0.868	
104-51-8	n-Butylbenzene	0.582	
120-82-1	1,2,4-Trichlorobenzene	0.462	
87-68-3	Hexachlorobutadiene	0.518	
91-20-3	Naphthalene	0.352	
87-61-6	1,2,3-Trichlorobenzene	0.561	
1868-53-7	Dibromofluoromethane (S)	53.4	
2037-26-5	Toluene-d8	48.2	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A04.D
Date : 07-APR-2009 13:05
Client ID: 1ppb
Sample Info: 1ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A04.D

Date : 07-APR-2009 13:05

Client ID: 1ppb

Instrument: 50MSV5.i

Sample Info: 1ppb

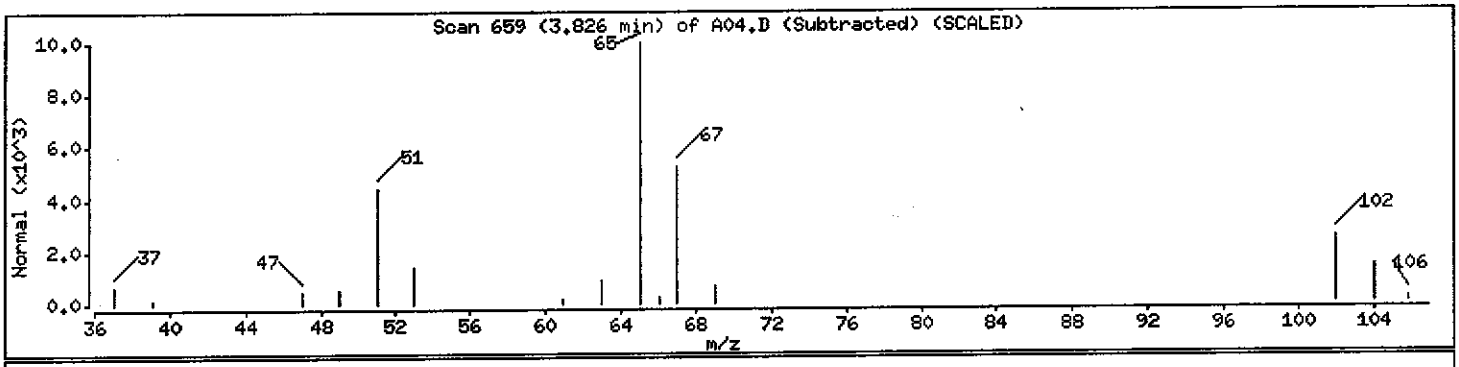
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A05.D
Lab Smp Id: 5ppb Client Smp ID: 5ppb
Inj Date : 07-APR-2009 13:42
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 14:45 Cal File: A07.D
Als bottle: 11 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.976	0.975	(0.229)	8525	5.00000	4.21(M)
2 Chloromethane	50	1.075	1.070	(0.253)	9321	5.00000	4.03
3 Vinyl Chloride	62	1.106	1.106	(0.260)	8475	5.00000	4.28
4 Bromomethane	94	1.263	1.263	(0.297)	5281	5.00000	3.94
139 Methyl Acetate	43	2.116	2.121	(0.497)	3319	5.00000	5.66(M)
5 Chloroethane	64	1.305	1.300	(0.307)	5007	5.00000	3.84
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	15858	5.00000	4.06
7 Diethyl ether	74	1.556	1.551	(0.366)	3072	5.00000	8.86(Q)
8 Acrolein	56	1.619	1.624	(0.381)	6710	100.000	82.9
9 1,1-Dichloroethene	96	1.676	1.682	(0.394)	7997	5.00000	5.35
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	9644	5.00000	5.46
11 Acetone	43	1.703	1.697	(0.400)	11062	25.0000	18.3
12 Iodomethane	142	1.771	1.770	(0.416)	17803	10.0000	8.98
13 Carbon Disulfide	76	1.812	1.812	(0.426)	46093	10.0000	9.84
14 allyl chloride	41	1.875	1.875	(0.441)	25624	10.0000	10.2(M)
15 Methylene Chloride	84	1.948	1.948	(0.458)	12887	5.00000	3.06
16 Acrylonitrile	53	2.100	2.100	(0.494)	31610	100.000	114(M)
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	4853	10.0000	10.6(M)
18 1,2-Dichloroethene (trans)	96	2.116	2.121	(0.497)	8557	5.00000	5.33
19 Methyl-tert-butyl ether	73	2.121	2.121	(0.499)	12160	10.0000	10.2(Q)
20 n-Hexane	57	2.304	2.304	(0.542)	11760	5.00000	3.07
21 1,1-Dichloroethane	63	2.414	2.419	(0.567)	14923	5.00000	5.38
23 Vinyl Acetate	43	2.450	2.450	(0.576)	22364	20.0000	18.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.905	2.911	(0.683)	2365	5.00000	4.63 (M)
25 1,2-Dichloroethene (cis)	96	2.905	2.911	(0.683)	8328	5.00000	5.10
26 2-Butanone	43	2.937	2.932	(0.690)	10061	25.0000	30.0 (M)
27 Propionitrile	54	3.000	2.994	(0.705)	115	5.00000	1.16 (QM)
28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	10570	5.00000	5.05 (M)
29 Bromochloromethane	49	3.146	3.146	(0.739)	7170	5.00000	6.59
30 Tetrahydrofuran	42	3.209	3.209	(0.754)	26162	5.00000	2.09 (M)
31 Chloroform	83	3.230	3.230	(0.759)	15227	5.00000	5.31
$ 32 Dibromofluoromethane (S)	113	3.408	3.413	(0.801)	87946	50.0000	50.3
33 1,1,1-Trichloroethane	97	3.439	3.439	(0.808)	6617	5.00000	4.73 (Q)
35 Carbon Tetrachloride	117	3.627	3.632	(0.853)	4682	5.00000	4.29
36 1,1-Dichloropropene	75	3.638	3.632	(0.855)	9285	5.00000	5.57 (Q)
37 Isobutyl alcohol	43	2.937	2.932	(0.690)	10060	5.00000	6.00 (M)
140 Cyclohexane	56	3.497	3.496	(0.822)	11279	5.00000	4.96
38 Benzene	78	3.899	3.899	(0.916)	28637	5.00000	5.17
39 1,2-Dichloroethane	62	3.925	3.925	(0.923)	8560	5.00000	5.78 (QM)
138 2,2,4-Trimethylpentane	57	4.020	4.014	(0.945)	24208	5.00000	4.60
141 Methylcyclohexane	55	4.914	4.914	(1.155)	8564	5.00000	4.82
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	318371	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	10459	5.00000	3.63
42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	6532	5.00000	6.24 (M)
43 Dibromomethane	93	5.087	5.086	(1.195)	3833	5.00000	7.13 (Q)
44 Methyl methacrylate	69	5.154	5.149	(1.211)	920	5.00000	2.12 (QM)
45 Bromodichloromethane	83	5.290	5.285	(1.243)	7199	5.00000	4.99 (M)
47 cis-1,3-Dichloropropene	75	5.793	5.798	(0.786)	3908	5.00000	4.22
48 4-Methyl-2-Pentanone	43	5.991	5.997	(0.813)	13942	25.0000	25.4
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	314829	50.0000	50.9
50 Toluene	91	6.148	6.153	(0.834)	35919	5.00000	5.60
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	2146	5.00000	2.28 (M)
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	1902	5.00000	2.21 (M)
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	3962	5.00000	5.75 (Q)
54 Tetrachloroethene	166	6.692	6.692	(0.908)	10424	5.00000	4.78
55 1,3-Dichloropropane	76	6.724	6.729	(0.912)	7329	5.00000	5.44 (Q)
56 2-Hexanone	43	6.833	6.828	(0.927)	8377	25.0000	25.1 (M)
57 Dibromochloromethane	129	6.912	6.917	(0.938)	3880	5.00000	6.19
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	2836	5.00000	5.27 (Q)
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	216720	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	23388	5.00000	5.38
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	3292	5.00000	4.55 (Q)
62 Ethylbenzene	106	7.482	7.482	(1.015)	11565	5.00000	5.25
63 m&p-Xylene	106	7.571	7.571	(1.027)	30887	10.0000	11.1
65 o-Xylene	106	7.843	7.843	(1.064)	13194	5.00000	5.25
66 Styrene	104	7.853	7.853	(1.065)	20371	5.00000	5.83
67 Bromoform	173	7.963	7.968	(0.900)	1579	5.00000	3.16 (M)
68 Isopropylbenzene	105	8.444	8.444	(1.145)	27707	5.00000	5.50
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	637	5.00000	3.79 (QM)
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	95275	50.0000	51.5
71 Bromobenzene	77	8.266	8.266	(1.121)	11396	5.00000	5.70
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	5031	5.00000	5.60 (M)
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	4040	5.00000	5.59 (Q)
74 n-Propylbenzene	91	8.340	8.340	(0.942)	41870	5.00000	5.27
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	26079	5.00000	5.50
76 4-Chlorotoluene	126	8.455	8.449	(0.955)	9666	5.00000	5.50
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	27707	5.00000	5.25

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	29302	5.00000	4.87
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	27239	5.00000	5.49
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	36309	5.00000	5.24
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	18141	5.00000	5.47
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	117851	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	29302	5.00000	4.87
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	19238	5.00000	5.11
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	16072	5.00000	5.56
86 n-Butylbenzene	91	9.056	9.051	(1.023)	24937	5.00000	4.93
88 1,2,4-Trichlorobenzene	180	9.893	9.893	(1.118)	7078	5.00000	4.93
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	6176	5.00000	6.02
90 Naphthalene	128	10.029	10.029	(1.133)	8127	5.00000	4.00(M)
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.147)	6261	5.00000	4.96
92 2,methyl-naphthalene	142	10.667	10.662	(1.205)	750	5.00000	0.637(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A05.D
Lab Smp Id: 5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 5ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	318371	-14.81
59 Chlorobenzene-d5	255255	127628	510510	216720	-15.10
82 1,4-Dichlorobenze	136223	68112	272446	117851	-13.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	4.21	
74-87-3	Chloromethane	4.03	
75-01-4	Vinyl Chloride	4.28	
74-83-9	Bromomethane	3.94	
79-20-9	Methyl Acetate	5.66	
75-00-3	Chloroethane	3.84	
75-69-4	Trichlorofluoromethane	4.06	
60-29-7	Diethyl ether	8.86	
107-02-8	Acrolein	82.9	
75-35-4	1,1-Dichloroethene	5.35	
76-13-1	1,1,2trichlorotrifluoroethan	5.46	
67-64-1	Acetone	18.3	
	Iodomethane	8.98	
75-15-0	Carbon Disulfide	9.84	
107-05-1	allyl chloride	10.2	
75-09-2	Methylene Chloride	3.06	
107-13-1	Acrylonitrile	114	
75-65-0	tert-Butyl Alcohol	10.6	
156-60-5	1,2-Dichloroethene (trans)	5.33	
1634-04-4	Methyl-tert-butyl ether	10.2	
	n-Hexane	3.07	
75-34-3	1,1-Dichloroethane	5.38	
108-05-4	Vinyl Acetate	18.2	
594-20-7	2,2-Dichloropropane	4.63	
156-59-2	1,2-Dichloroethene (cis)	5.10	
78-93-3	2-Butanone	30.0	
107-12-0	Propionitrile	1.16	
354-23-4	1,2-dichlorotrifluoroethane	5.05	
74-97-5	Bromochloromethane	6.59	
	Tetrahydrofuran	2.09	
67-66-3	Chloroform	5.31	
71-55-6	1,1,1-Trichloroethane	4.73	
56-23-5	Carbon Tetrachloride	4.29	
563-58-6	1,1-Dichloropropene	5.57	
78-83-1	Isobutyl alcohol	6.00	
110-82-7	Cyclohexane	4.96	
71-43-2	Benzene	5.17	
107-06-2	1,2-Dichloroethane	5.78	
540-84-1	2,2,4-Trimethylpentane	4.60	
108-87-2	Methylcyclohexane	4.82	
79-01-6	Trichloroethene	3.63	
78-87-5	1,2-Dichloropropane	6.24	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	7.13	
80-62-6	Methyl methacrylate	2.12	
75-27-4	Bromodichloromethane	4.99	
10061-01-5	cis-1,3-Dichloropropene	4.22	
108-10-1	4-Methyl-2-Pentanone	25.4	
108-88-3	Toluene	5.60	
10061-02-6	trans-1,3-Dichloropropene	2.28	
	Ethyl Methacrylate	2.21	
79-00-5	1,1,2-Trichloroethane	5.75	
127-18-4	Tetrachloroethene	4.78	
142-28-9	1,3-Dichloropropane	5.44	
591-78-6	2-Hexanone	25.1	
124-48-1	Dibromochloromethane	6.19	
106-93-4	1,2-Dibromoethane	5.27	
108-90-7	Chlorobenzene	5.38	
630-20-6	1,1,1,2-Tetrachloroethane	4.55	
100-41-4	Ethylbenzene	5.25	
7816-60-0	m&p-Xylene	11.1	
95-47-6	o-Xylene	5.25	
100-42-5	Styrene	5.83	
75-25-2	Bromoform	3.16	
98-82-8	Isopropylbenzene	5.50	
	trans-1,4-Dichloro-2-butene	3.79	
108-86-1	Bromobenzene	5.70	
79-34-5	1,1,2,2-Tetrachloroethane	5.60	
96-18-4	1,2,3-Trichloropropane	5.59	
103-65-1	n-Propylbenzene	5.27	
95-49-8	2-Chlorotoluene	5.50	
106-43-4	4-Chlorotoluene	5.50	
108-67-8	1,3,5-Trimethylbenzene	5.25	
98-06-6	tert-Butylbenzene	4.87	
95-63-6	1,2,4-Trimethylbenzene	5.49	
135-98-8	sec-Butylbenzene	5.24	
541-73-1	1,3-Dichlorobenzene	5.47	
99-87-6	p-Isopropyltoluene	4.87	
106-46-7	1,4-Dichlorobenzene	5.11	
95-50-1	1,2-Dichlorobenzene	5.56	
104-51-8	n-Butylbenzene	4.93	
120-82-1	1,2,4-Trichlorobenzene	4.93	
87-68-3	Hexachlorobutadiene	6.02	
91-20-3	Naphthalene	4.00	
87-61-6	1,2,3-Trichlorobenzene	4.96	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

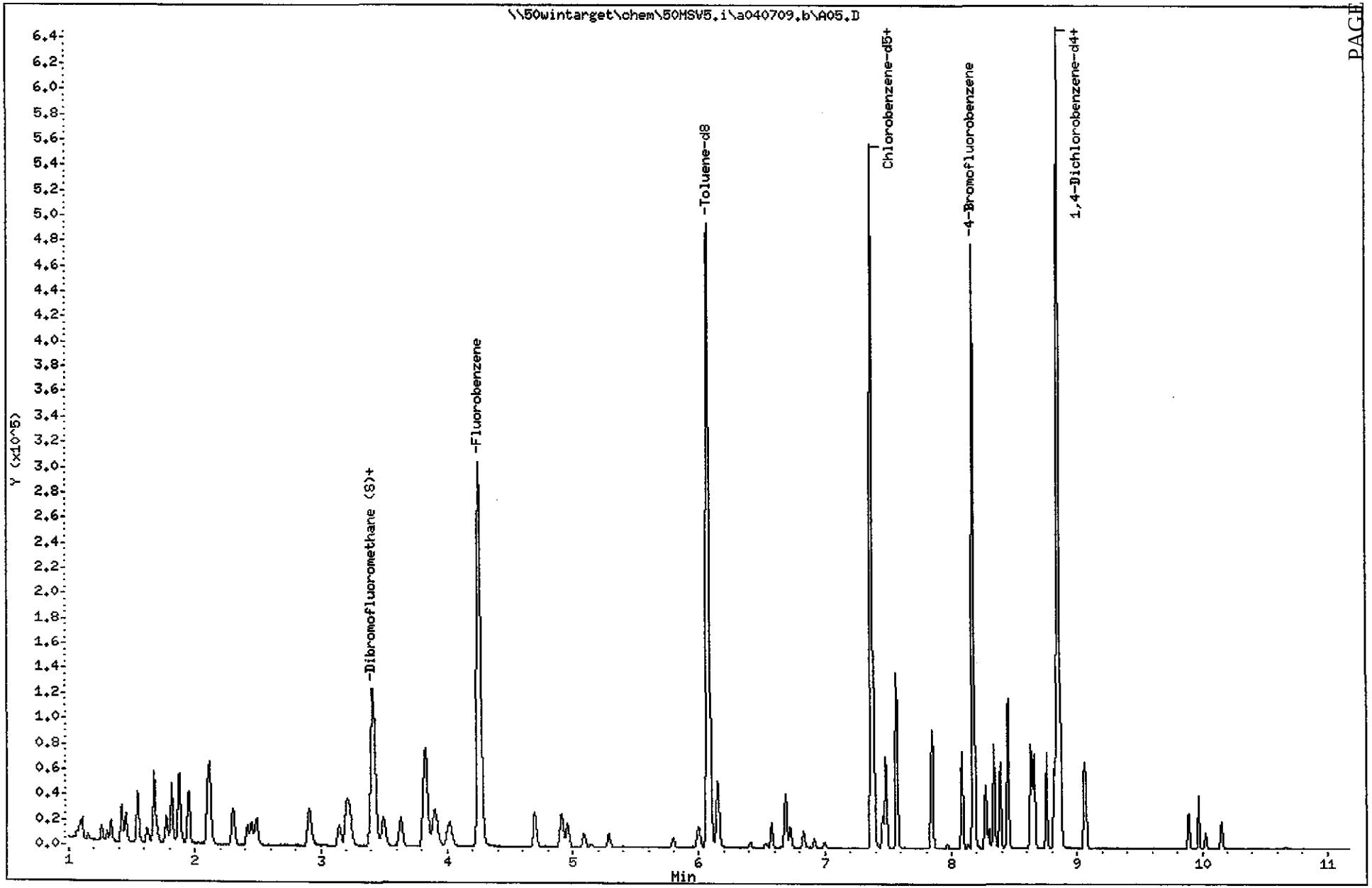
Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
----------	2,methyl-naphthalene	0.637	
1868-53-7	Dibromofluoromethane (S)	50.3	
2037-26-5	Toluene-d8	50.9	
460-00-4	4-Bromofluorobenzene	51.5	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A05.D
Date : 07-APR-2009 13:42
Client ID: 5ppb
Sample Info: 5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A05.D

Date : 07-APR-2009 13:42

Client ID: 5ppb

Instrument: 50MSV5.i

Sample Info: 5ppb

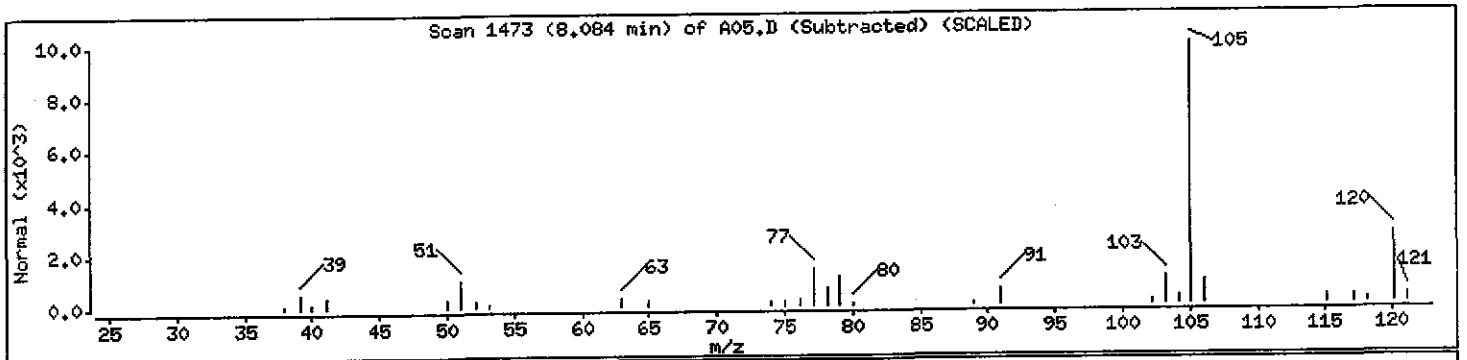
Purge Volume: 5.0

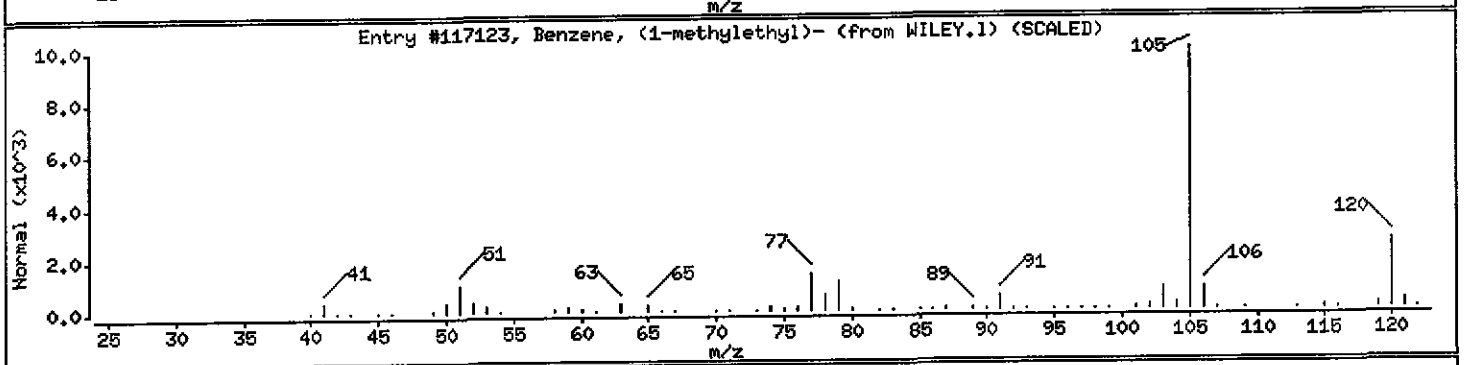
Operator: ala

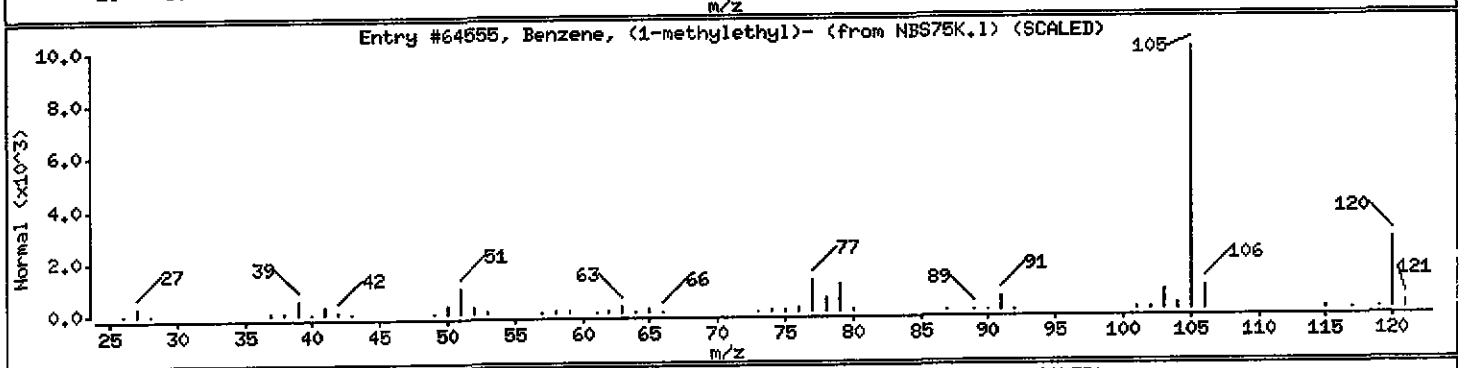
Column phase: DB-624

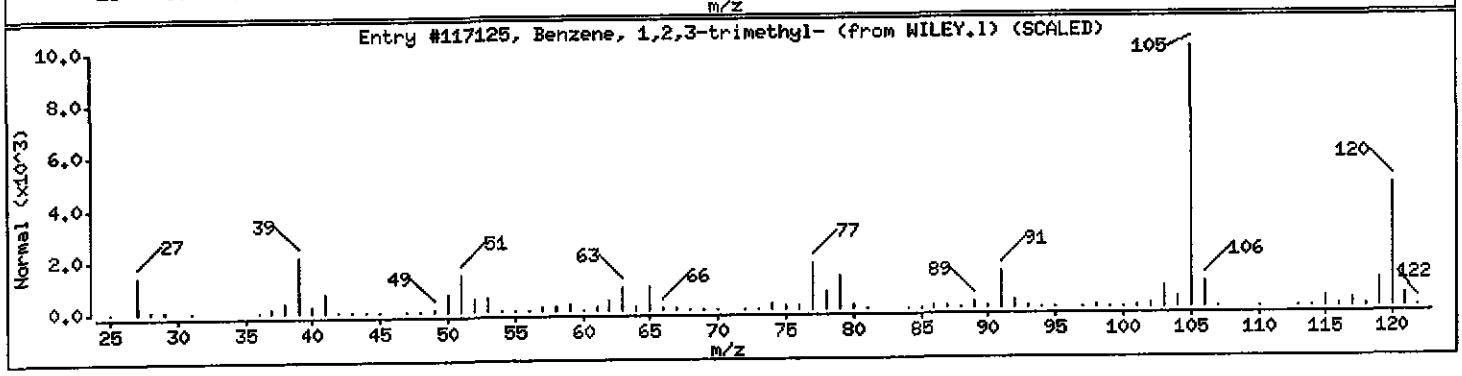
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A06.D
Lab Smp Id: 10ppb Client Smp ID: 10ppb
Inj Date : 07-APR-2009 14:19
Operator : ala Inst ID: 50MSV5.i
Smp Info : 10ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 14:45 Cal File: A07.D
Als bottle: 13 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.975	(0.228)	17020	10.0000	8.69
2 Chloromethane	50	1.070	1.070	(0.252)	18952	10.0000	8.59
3 Vinyl Chloride	62	1.106	1.106	(0.260)	17199	10.0000	8.94
4 Bromomethane	94	1.263	1.263	(0.297)	11495	10.0000	9.04
139 Methyl Acetate	43	2.116	2.121	(0.497)	6994	10.0000	11.2
5 Chloroethane	64	1.305	1.300	(0.307)	10412	10.0000	8.49
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	35532	10.0000	9.52
7 Diethyl ether	74	1.551	1.551	(0.365)	7192	10.0000	16.2
8 Acrolein	56	1.624	1.624	(0.382)	13138	200.000	169
9 1,1-Dichloroethene	96	1.676	1.682	(0.394)	19210	10.0000	12.2
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	23576	10.0000	12.5
11 Acetone	43	1.697	1.697	(0.399)	20629	50.0000	36.7
12 Iodomethane	142	1.771	1.770	(0.416)	56482	20.0000	28.9
13 Carbon Disulfide	76	1.812	1.812	(0.426)	111409	20.0000	23.4
14 allyl chloride	41	1.875	1.875	(0.441)	60273	20.0000	23.4
15 Methylene Chloride	84	1.943	1.948	(0.457)	23072	10.0000	6.16
16 Acrylonitrile	53	2.100	2.100	(0.494)	68582	200.000	232
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	10856	20.0000	22.6
18 1,2-Dichloroethene (trans)	96	2.121	2.121	(0.499)	20769	10.0000	12.4
19 Methyl-tert-butyl ether	73	2.116	2.121	(0.497)	27576	20.0000	22.5
20 n-Hexane	57	2.304	2.304	(0.542)	28867	10.0000	8.47
21 1,1-Dichloroethane	63	2.414	2.419	(0.567)	34586	10.0000	11.9
23 Vinyl Acetate	43	2.451	2.450	(0.576)	57473	40.0000	47.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	6907	10.0000	13.6
	25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	20328	10.0000	12.1
	26 2-Butanone	43	2.927	2.932	(0.688)	22690	50.0000	62.2
	27 Propionitrile	54	3.000	2.994	(0.705)	950	10.0000	15.2(QM)
	28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	25884	10.0000	12.1
	29 Bromochloromethane	49	3.151	3.146	(0.741)	16690	10.0000	13.6
	30 Tetrahydrofuran	42	3.204	3.209	(0.753)	29119	10.0000	2.83(M)
	31 Chloroform	83	3.230	3.230	(0.759)	34027	10.0000	11.4
$	32 Dibromofluoromethane (S)	113	3.408	3.413	(0.801)	90541	50.0000	50.6
	33 1,1,1-Trichloroethane	97	3.434	3.439	(0.807)	17713	10.0000	12.6
	35 Carbon Tetrachloride	117	3.627	3.632	(0.853)	13078	10.0000	12.3
	36 1,1-Dichloropropene	75	3.633	3.632	(0.854)	23047	10.0000	13.0
	37 Isobutyl alcohol	43	2.927	2.932	(0.688)	22690	10.0000	12.4
	140 Cyclohexane	56	3.497	3.496	(0.822)	30653	10.0000	13.2
	38 Benzene	78	3.899	3.899	(0.916)	65607	10.0000	11.5
	39 1,2-Dichloroethane	62	3.926	3.925	(0.923)	20035	10.0000	12.6
	138 2,2,4-Trimethylpentane	57	4.020	4.014	(0.945)	68176	10.0000	13.0
	141 Methylcyclohexane	55	4.914	4.914	(1.155)	23894	10.0000	13.3
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	324878	50.0000	
	41 Trichloroethene	95	4.700	4.694	(1.104)	20550	10.0000	7.70
	42 1,2-Dichloropropane	63	4.961	4.956	(1.166)	16126	10.0000	13.9
	43 Dibromomethane	93	5.087	5.086	(1.195)	8690	10.0000	13.9
	44 Methyl methacrylate	69	5.155	5.149	(1.211)	2890	10.0000	9.16(QM)
	45 Bromodichloromethane	83	5.285	5.285	(1.242)	17398	10.0000	11.8
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	9893	10.0000	10.9
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	35635	50.0000	62.4
$	49 Toluene-d8	98	6.080	6.080	(0.825)	324807	50.0000	50.4
	50 Toluene	91	6.154	6.153	(0.835)	80554	10.0000	11.4
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	5891	10.0000	8.32
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	5866	10.0000	9.14(M)
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	9154	10.0000	12.2
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	24708	10.0000	11.2
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	17806	10.0000	12.4
	56 2-Hexanone	43	6.834	6.828	(0.927)	23070	50.0000	66.7
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	8818	10.0000	12.6
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	7885	10.0000	13.9
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	224190	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	54021	10.0000	11.7
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	9152	10.0000	12.6
	62 Ethylbenzene	106	7.482	7.482	(1.015)	27982	10.0000	12.1
	63 m&p-Xylene	106	7.571	7.571	(1.027)	73308	20.0000	24.5
	65 o-Xylene	106	7.838	7.843	(1.063)	33021	10.0000	12.5
	66 Styrene	104	7.853	7.853	(1.065)	52540	10.0000	13.8
	67 Bromoform	173	7.968	7.968	(0.900)	3745	10.0000	8.76
	68 Isopropylbenzene	105	8.444	8.444	(1.145)	71461	10.0000	13.3
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	1659	10.0000	10.8(QM)
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	100993	50.0000	52.2
	71 Bromobenzene	77	8.267	8.266	(1.121)	27355	10.0000	12.6
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	11979	10.0000	12.2
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	9851	10.0000	12.5
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	106997	10.0000	12.6
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	60354	10.0000	11.8
	76 4-Chlorotoluene	126	8.455	8.449	(0.955)	23484	10.0000	12.3
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	71461	10.0000	12.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	78427	10.0000	12.5
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	69629	10.0000	13.0
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	97169	10.0000	13.2
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	42541	10.0000	11.9
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	123469	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	78427	10.0000	12.5
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	45342	10.0000	11.4
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	38250	10.0000	12.2
86 n-Butylbenzene	91	9.056	9.051	(1.023)	68668	10.0000	13.0
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	647	10.0000	6.51 (QM)
88 1,2,4-Trichlorobenzene	180	9.893	9.893	(1.118)	18774	10.0000	12.5
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	15332	10.0000	13.4
90 Naphthalene	128	10.029	10.029	(1.133)	24738	10.0000	12.4
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.147)	17019	10.0000	12.9
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	4532	10.0000	6.52

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A06.D
Lab Smp Id: 10ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 10ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	324878	-13.06
59 Chlorobenzene-d5	255255	127628	510510	224190	-12.17
82 1,4-Dichlorobenze	136223	68112	272446	123469	-9.36

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	8.69	
74-87-3	Chloromethane	8.59	
75-01-4	Vinyl Chloride	8.94	
74-83-9	Bromomethane	9.04	
79-20-9	Methyl Acetate	11.2	
75-00-3	Chloroethane	8.49	
75-69-4	Trichlorofluoromethane	9.52	
60-29-7	Diethyl ether	16.2	
107-02-8	Acrolein	169	
75-35-4	1,1-Dichloroethene	12.2	
76-13-1	1,1,2trichlorotrifluoroethan	12.5	
67-64-1	Acetone	36.7	
	Iodomethane	28.9	
75-15-0	Carbon Disulfide	23.4	
107-05-1	allyl chloride	23.4	
75-09-2	Methylene Chloride	6.16	
107-13-1	Acrylonitrile	232	
75-65-0	tert-Butyl Alcohol	22.6	
156-60-5	1,2-Dichloroethene (trans)	12.4	
1634-04-4	Methyl-tert-butyl ether	22.5	
	n-Hexane	8.47	
75-34-3	1,1-Dichloroethane	11.9	
108-05-4	Vinyl Acetate	47.2	
594-20-7	2,2-Dichloropropane	13.6	
156-59-2	1,2-Dichloroethene (cis)	12.1	
78-93-3	2-Butanone	62.2	
107-12-0	Propionitrile	15.2	
354-23-4	1,2-dichlorotrifluoroethane	12.1	
74-97-5	Bromochloromethane	13.6	
	Tetrahydrofuran	2.83	
67-66-3	Chloroform	11.4	
71-55-6	1,1,1-Trichloroethane	12.6	
56-23-5	Carbon Tetrachloride	12.3	
563-58-6	1,1-Dichloropropene	13.0	
78-83-1	Isobutyl alcohol	12.4	
110-82-7	Cyclohexane	13.2	
71-43-2	Benzene	11.5	
107-06-2	1,2-Dichloroethane	12.6	
540-84-1	2,2,4-Trimethylpentane	13.0	
108-87-2	Methylcyclohexane	13.3	
79-01-6	Trichloroethene	7.70	
78-87-5	1,2-Dichloropropane	13.9	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	13.9	
80-62-6	Methyl methacrylate	9.16	
75-27-4	Bromodichloromethane	11.8	
10061-01-5	cis-1,3-Dichloropropene	10.9	
108-10-1	4-Methyl-2-Pentanone	62.4	
108-88-3	Toluene	11.4	
10061-02-6	trans-1,3-Dichloropropene	8.32	
	Ethyl Methacrylate	9.14	
79-00-5	1,1,2-Trichloroethane	12.2	
127-18-4	Tetrachloroethene	11.2	
142-28-9	1,3-Dichloropropane	12.4	
591-78-6	2-Hexanone	66.7	
124-48-1	Dibromochloromethane	12.6	
106-93-4	1,2-Dibromoethane	13.9	
108-90-7	Chlorobenzene	11.7	
630-20-6	1,1,1,2-Tetrachloroethane	12.6	
100-41-4	Ethylbenzene	12.1	
7816-60-0	m&p-Xylene	24.5	
95-47-6	o-Xylene	12.5	
100-42-5	Styrene	13.8	
75-25-2	Bromoform	8.76	
98-82-8	Isopropylbenzene	13.3	
	trans-1,4-Dichloro-2-butene	10.8	
108-86-1	Bromobenzene	12.6	
79-34-5	1,1,2,2-Tetrachloroethane	12.2	
96-18-4	1,2,3-Trichloropropane	12.5	
103-65-1	n-Propylbenzene	12.6	
95-49-8	2-Chlorotoluene	11.8	
106-43-4	4-Chlorotoluene	12.3	
108-67-8	1,3,5-Trimethylbenzene	12.7	
98-06-6	tert-Butylbenzene	12.5	
95-63-6	1,2,4-Trimethylbenzene	13.0	
135-98-8	sec-Butylbenzene	13.2	
541-73-1	1,3-Dichlorobenzene	11.9	
99-87-6	p-Isopropyltoluene	12.5	
106-46-7	1,4-Dichlorobenzene	11.4	
95-50-1	1,2-Dichlorobenzene	12.2	
104-51-8	n-Butylbenzene	13.0	
96-12-8	1,2-Dibromo-3-chloropropane	6.51	
120-82-1	1,2,4-Trichlorobenzene	12.5	
87-68-3	Hexachlorobutadiene	13.4	
91-20-3	Naphthalene	12.4	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

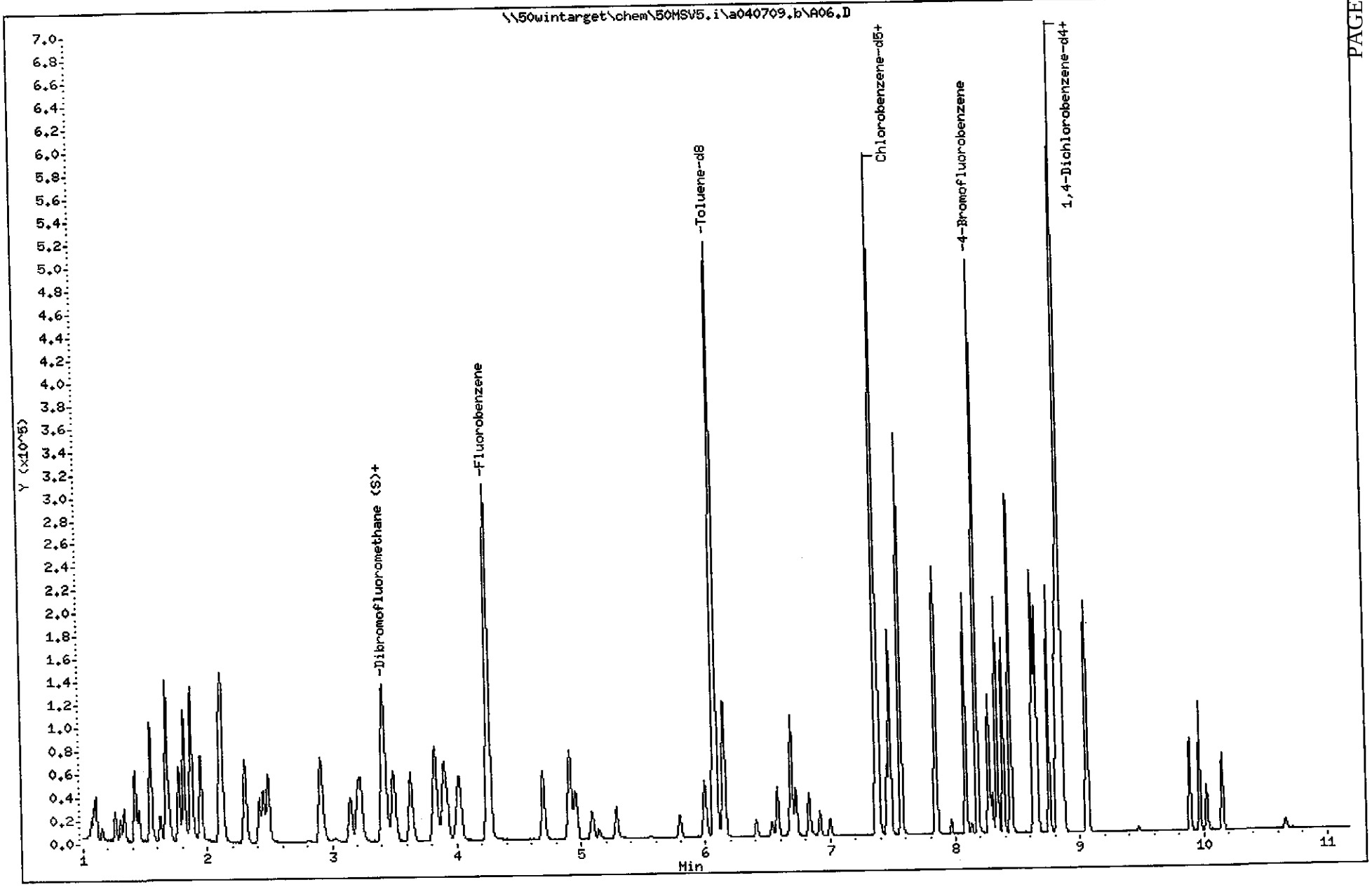
Client SDG: a040709.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	12.9	
	2,methyl-naphthalene	6.52	
1868-53-7	Dibromofluoromethane (S)	50.6	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	52.2	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A06.D
Date : 07-APR-2009 14:19
Client ID: 10ppb
Sample Info: 10ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A06.D

Date : 07-APR-2009 14:19

Client ID: 10ppb

Instrument: 50MSV5.i

Sample Info: 10ppb

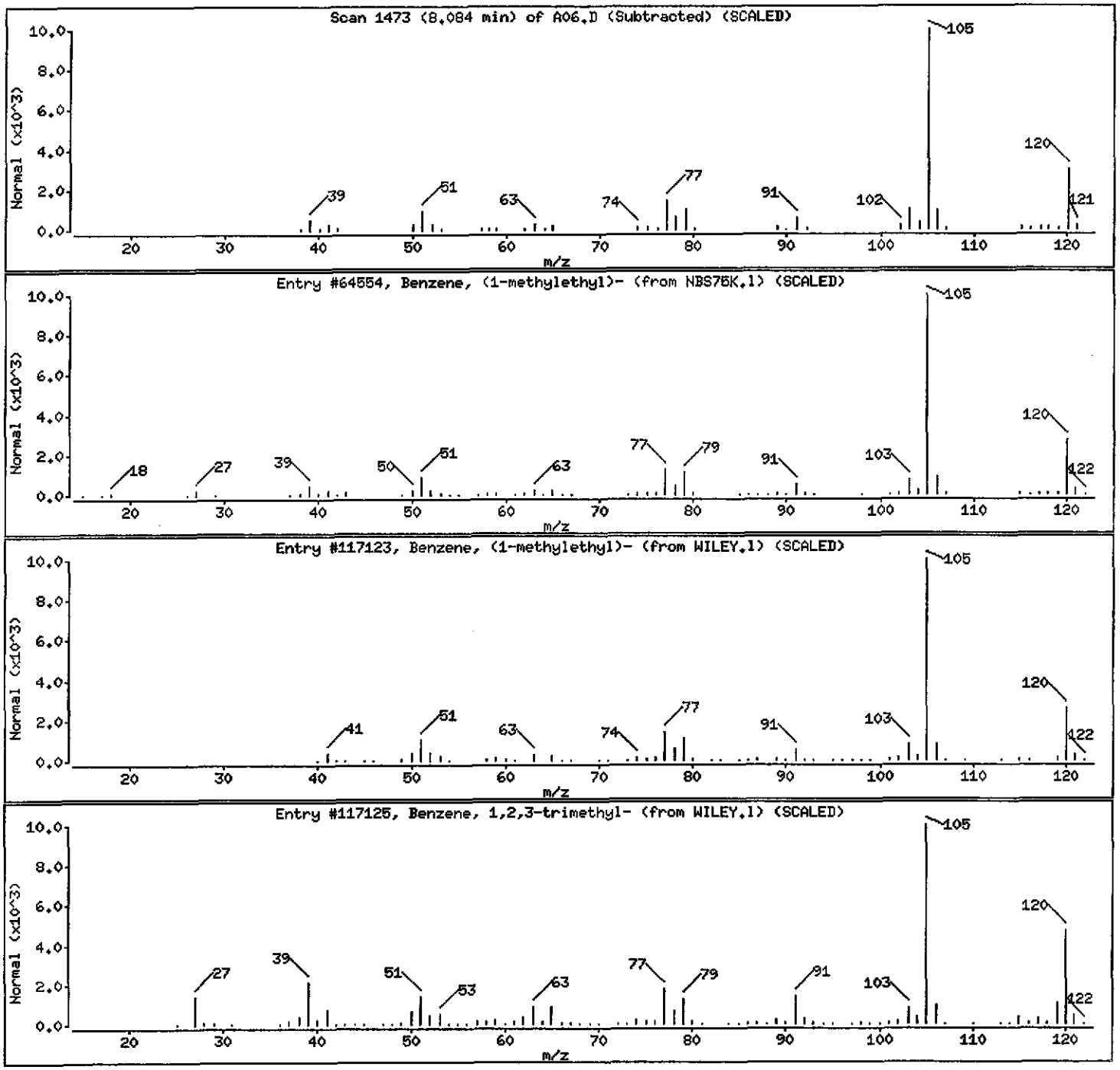
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64554	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A07.D
Lab Smp Id: 50ppb
Client Smp ID: 50ppb
Inj Date : 07-APR-2009 14:55
Operator : ala
Inst ID: 50MSV5.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison
Quant Type: ISTD
Cal Date : 31-MAR-2009 14:45
Cal File: A07.D
Als bottle: 15
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	0.975	0.975	(0.229)	101929	50.0000	55.1
2 Chloromethane	50	1.070	1.070	(0.251)	109220	50.0000	53.7
3 Vinyl Chloride	62	1.106	1.106	(0.260)	102186	50.0000	51.7
4 Bromomethane	94	1.263	1.263	(0.297)	75930	50.0000	55.3
139 Methyl Acetate	43	2.121	2.121	(0.499)	36019	50.0000	39.9
5 Chloroethane	64	1.300	1.300	(0.306)	59667	50.0000	55.1
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	214479	50.0000	54.0
7 Diethyl ether	74	1.551	1.551	(0.365)	33686	50.0000	49.6
8 Acrolein	56	1.624	1.624	(0.382)	97484	1000.00	1110
9 1,1-Dichloroethene	96	1.682	1.682	(0.395)	87716	50.0000	48.8
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	103662	50.0000	52.1
11 Acetone	43	1.697	1.697	(0.399)	82774	250.000	274
12 Iodomethane	142	1.770	1.770	(0.416)	325208	100.000	100
13 Carbon Disulfide	76	1.812	1.812	(0.426)	486768	100.000	103
14 allyl chloride	41	1.875	1.875	(0.441)	276060	100.000	98.4
15 Methylene Chloride	84	1.948	1.948	(0.458)	87336	50.0000	50.7
16 Acrylonitrile	53	2.100	2.100	(0.494)	342073	1000.00	990
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	53442	100.000	101
18 1,2-Dichloroethene (trans)	96	2.121	2.121	(0.499)	95602	50.0000	48.7
19 Methyl-tert-butyl ether	73	2.121	2.121	(0.499)	157863	100.000	81.0
20 n-Hexane	57	2.304	2.304	(0.542)	134989	50.0000	49.1
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	158623	50.0000	47.3
23 Vinyl Acetate	43	2.450	2.450	(0.576)	393305	200.000	172

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	40680	50.0000	37.8
	25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	98756	50.0000	48.8
	26 2-Butanone	43	2.932	2.932	(0.689)	116550	250.000	260
	27 Propionitrile	54	2.994	2.994	(0.704)	5821	50.0000	46.7
	28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	114052	50.0000	48.8
	29 Bromochloromethane	49	3.146	3.146	(0.739)	74090	50.0000	50.4
	30 Tetrahydrofuran	42	3.209	3.209	(0.754)	44801	50.0000	51.0
	31 Chloroform	83	3.230	3.230	(0.759)	157688	50.0000	47.4
$	32 Dibromofluoromethane (S)	113	3.413	3.413	(0.802)	99301	50.0000	49.0
	33 1,1,1-Trichloroethane	97	3.439	3.439	(0.808)	98811	50.0000	42.1
	35 Carbon Tetrachloride	117	3.632	3.632	(0.854)	83372	50.0000	40.8
	36 1,1-Dichloropropene	75	3.632	3.632	(0.854)	118116	50.0000	51.6
	37 Isobutyl alcohol	43	2.932	2.932	(0.689)	116550	50.0000	51.9
	140 Cyclohexane	56	3.496	3.496	(0.822)	155011	50.0000	52.1
	38 Benzene	78	3.899	3.899	(0.916)	329674	50.0000	49.4
	39 1,2-Dichloroethane	62	3.925	3.925	(0.923)	94712	50.0000	49.2
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	360941	50.0000	52.8
	141 Methylcyclohexane	55	4.914	4.914	(1.155)	130405	50.0000	50.0
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	373698	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.103)	96413	50.0000	48.5
	42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	83308	50.0000	49.0
	43 Dibromomethane	93	5.086	5.086	(1.195)	42744	50.0000	50.1
	44 Methyl methacrylate	69	5.149	5.149	(1.210)	25485	50.0000	45.0
	45 Bromodichloromethane	83	5.285	5.285	(1.242)	97306	50.0000	50.0
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	84148	50.0000	41.8
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	218778	250.000	236
$	49 Toluene-d8	98	6.080	6.080	(0.825)	370925	50.0000	50.5
	50 Toluene	91	6.153	6.153	(0.835)	377338	50.0000	46.1
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	55294	50.0000	41.3
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	50638	50.0000	44.5
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	46839	50.0000	50.7
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	128506	50.0000	48.9
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	95230	50.0000	52.8
	56 2-Hexanone	43	6.828	6.828	(0.926)	138417	250.000	234
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	66385	50.0000	45.4
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	56984	50.0000	48.2
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	255255	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	250594	50.0000	47.1
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	70283	50.0000	44.6
	62 Ethylbenzene	106	7.482	7.482	(1.015)	143974	50.0000	50.3
	63 m&p-Xylene	106	7.571	7.571	(1.027)	362259	100.000	95.8
	65 o-Xylene	106	7.843	7.843	(1.064)	168014	50.0000	49.1
	66 Styrene	104	7.853	7.853	(1.065)	262786	50.0000	47.0
	67 Bromoform	173	7.968	7.968	(0.900)	28908	50.0000	44.0
	68 Isopropylbenzene	105	8.444	8.444	(1.145)	361819	50.0000	47.2
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	9906	50.0000	43.8
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	109423	50.0000	50.2
	71 Bromobenzene	77	8.266	8.266	(1.121)	128256	50.0000	49.2
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	59196	50.0000	51.0
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	50133	50.0000	50.6
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	506425	50.0000	51.0
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	280104	50.0000	49.4
	76 4-Chlorotoluene	126	8.449	8.449	(0.955)	112361	50.0000	48.7
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	361819	50.0000	50.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	407372	50.0000	50.1
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	343866	50.0000	50.4
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	487121	50.0000	52.6
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	203897	50.0000	48.8
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	136223	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	407372	50.0000	50.1
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	207823	50.0000	47.6
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	178779	50.0000	48.8
86 n-Butylbenzene	91	9.051	9.051	(1.022)	369394	50.0000	48.9
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	5479	50.0000	43.5
88 1,2,4-Trichlorobenzene	180	9.893	9.893	(1.118)	113462	50.0000	48.8
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	78053	50.0000	48.3
90 Naphthalene	128	10.029	10.029	(1.133)	173841	50.0000	46.5
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.147)	93515	50.0000	48.4
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	68007	50.0000	41.0

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A07.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	373698	0.00
59 Chlorobenzene-d5	255255	127628	510510	255255	0.00
82 1,4-Dichlorobenze	136223	68112	272446	136223	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	55.1	
74-87-3	Chloromethane	53.7	
75-01-4	Vinyl Chloride	51.7	
74-83-9	Bromomethane	55.3	
79-20-9	Methyl Acetate	39.9	
75-00-3	Chloroethane	55.1	
75-69-4	Trichlorofluoromethane	54.0	
60-29-7	Diethyl ether	49.6	
107-02-8	Acrolein	1110	
75-35-4	1,1-Dichloroethene	48.8	
76-13-1	1,1,2trichlorotrifluoroethan	52.1	
67-64-1	Acetone	274	
	Iodomethane	100	
75-15-0	Carbon Disulfide	103	
107-05-1	allyl chloride	98.4	
75-09-2	Methylene Chloride	50.7	
107-13-1	Acrylonitrile	990	
75-65-0	tert-Butyl Alcohol	101	
156-60-5	1,2-Dichloroethene (trans)	48.7	
1634-04-4	Methyl-tert-butyl ether	81.0	
	n-Hexane	49.1	
75-34-3	1,1-Dichloroethane	47.3	
108-05-4	Vinyl Acetate	172	
594-20-7	2,2-Dichloropropane	37.8	
156-59-2	1,2-Dichloroethene (cis)	48.8	
78-93-3	2-Butanone	260	
107-12-0	Propionitrile	46.7	
354-23-4	1,2-dichlorotrifluoroethane	48.8	
74-97-5	Bromochloromethane	50.4	
	Tetrahydrofuran	51.0	
67-66-3	Chloroform	47.4	
71-55-6	1,1,1-Trichloroethane	42.1	
56-23-5	Carbon Tetrachloride	40.8	
563-58-6	1,1-Dichloropropene	51.6	
78-83-1	Isobutyl alcohol	51.9	
110-82-7	Cyclohexane	52.1	
71-43-2	Benzene	49.4	
107-06-2	1,2-Dichloroethane	49.2	
540-84-1	2,2,4-Trimethylpentane	52.8	
108-87-2	Methylcyclohexane	50.0	
79-01-6	Trichloroethene	48.5	
78-87-5	1,2-Dichloropropane	49.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	50.1	
80-62-6	Methyl methacrylate	45.0	
75-27-4	Bromodichloromethane	50.0	
10061-01-5	cis-1,3-Dichloropropene	41.8	
108-10-1	4-Methyl-2-Pentanone	236	
108-88-3	Toluene	46.1	
10061-02-6	trans-1,3-Dichloropropene	41.3	
	Ethyl Methacrylate	44.5	
79-00-5	1,1,2-Trichloroethane	50.7	
127-18-4	Tetrachloroethene	48.9	
142-28-9	1,3-Dichloropropane	52.8	
591-78-6	2-Hexanone	234	
124-48-1	Dibromochloromethane	45.4	
106-93-4	1,2-Dibromoethane	48.2	
108-90-7	Chlorobenzene	47.1	
630-20-6	1,1,1,2-Tetrachloroethane	44.6	
100-41-4	Ethylbenzene	50.3	
7816-60-0	m&p-Xylene	95.8	
95-47-6	o-Xylene	49.1	
100-42-5	Styrene	47.0	
75-25-2	Bromoform	44.0	
98-82-8	Isopropylbenzene	47.2	
	trans-1,4-Dichloro-2-butene	43.8	
108-86-1	Bromobenzene	49.2	
79-34-5	1,1,2,2-Tetrachloroethane	51.0	
96-18-4	1,2,3-Trichloropropane	50.6	
103-65-1	n-Propylbenzene	51.0	
95-49-8	2-Chlorotoluene	49.4	
106-43-4	4-Chlorotoluene	48.7	
108-67-8	1,3,5-Trimethylbenzene	50.4	
98-06-6	tert-Butylbenzene	50.1	
95-63-6	1,2,4-Trimethylbenzene	50.4	
135-98-8	sec-Butylbenzene	52.6	
541-73-1	1,3-Dichlorobenzene	48.8	
99-87-6	p-Isopropyltoluene	50.1	
106-46-7	1,4-Dichlorobenzene	47.6	
95-50-1	1,2-Dichlorobenzene	48.8	
104-51-8	n-Butylbenzene	48.9	
96-12-8	1,2-Dibromo-3-chloropropane	43.5	
120-82-1	1,2,4-Trichlorobenzene	48.8	
87-68-3	Hexachlorobutadiene	48.3	
91-20-3	Naphthalene	46.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

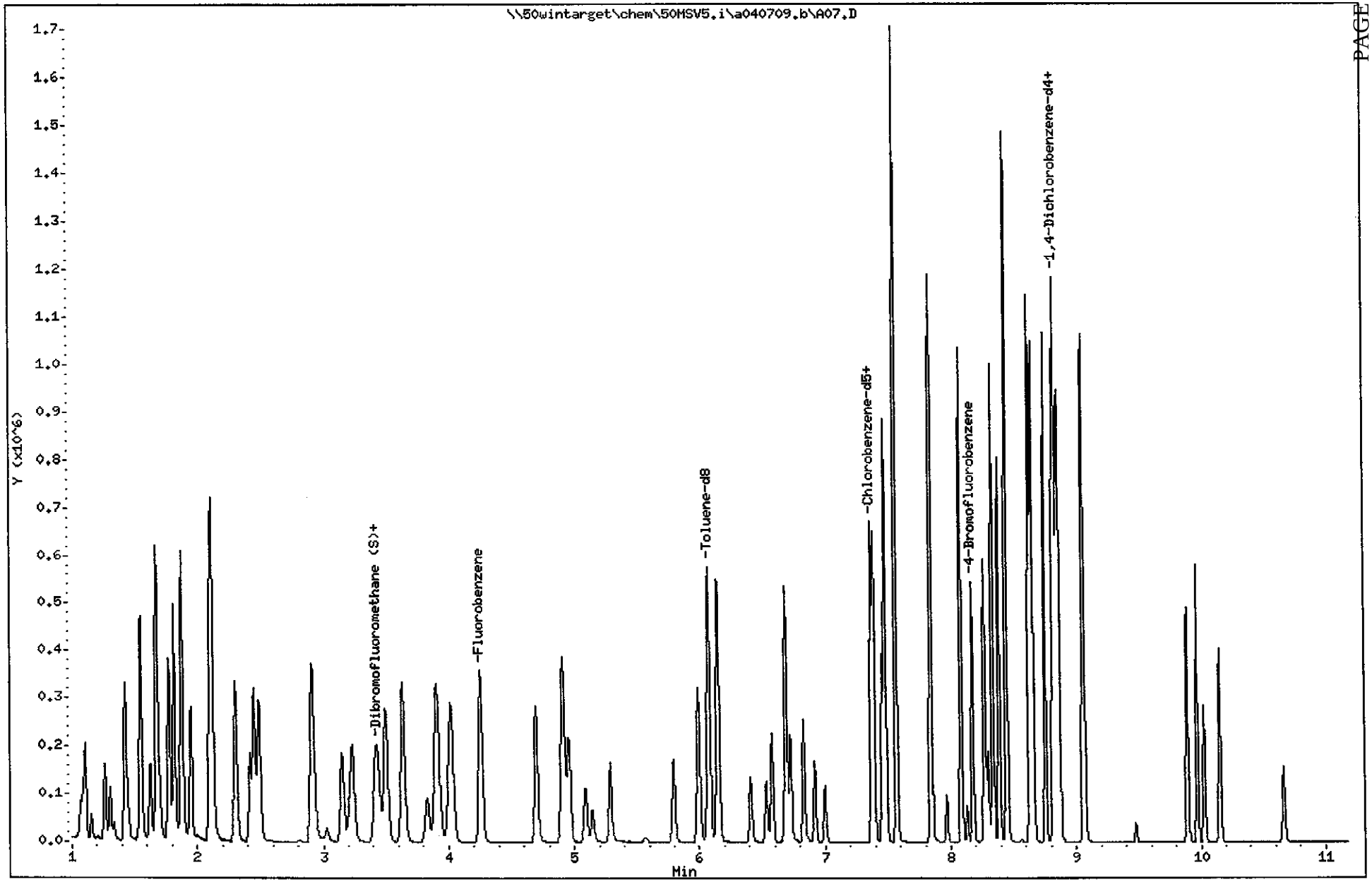
Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	48.4	
	2,methyl-naphthalene	41.0	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	50.5	
460-00-4	4-Bromofluorobenzene	50.2	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07.D
Date : 07-APR-2009 14:55
Client ID: 50ppb
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07.D

Date : 07-APR-2009 14:55

Client ID: 50ppb

Sample Info: 50ppb

Purge Volume: 5.0

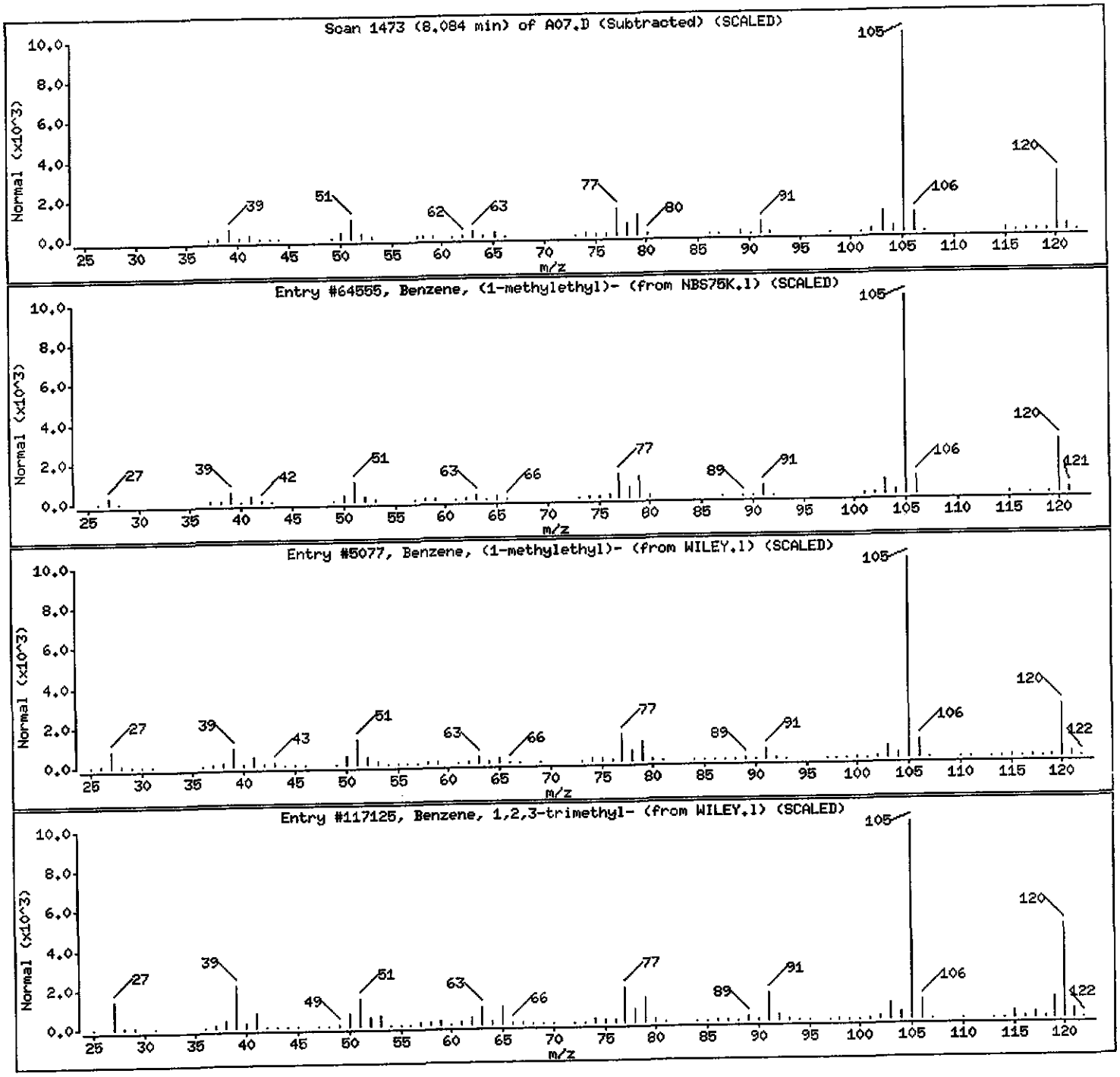
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	5077	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A07CCV.D
Lab Smp Id: 50ppb Client Smp ID: 50ppb
Inj Date : 07-APR-2009 14:55
Operator : ala Inst ID: 50MSV5.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 14:45 Cal File: A07.D
Als bottle: 15 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.975	0.975	(0.229)	101929	50.0000	55.1
2 Chloromethane	50	1.070	1.070	(0.251)	109220	50.0000	53.7
3 Vinyl Chloride	62	1.106	1.106	(0.260)	102186	50.0000	51.7
4 Bromomethane	94	1.263	1.263	(0.297)	75930	50.0000	55.3
139 Methyl Acetate	43	2.121	2.121	(0.499)	36019	50.0000	39.9
5 Chloroethane	64	1.300	1.300	(0.306)	59667	50.0000	55.1
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	214479	50.0000	54.0
7 Diethyl ether	74	1.551	1.551	(0.365)	33686	50.0000	49.6
8 Acrolein	56	1.624	1.624	(0.382)	97484	1000.00	1110
9 1,1-Dichloroethene	96	1.682	1.682	(0.395)	87716	50.0000	48.8
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	103662	50.0000	52.1
11 Acetone	43	1.697	1.697	(0.399)	82774	250.000	274
12 Iodomethane	142	1.770	1.770	(0.416)	325208	100.000	100
13 Carbon Disulfide	76	1.812	1.812	(0.426)	486768	100.000	103
14 allyl chloride	41	1.875	1.875	(0.441)	276060	100.000	98.4
15 Methylene Chloride	84	1.948	1.948	(0.458)	87336	50.0000	50.7
16 Acrylonitrile	53	2.100	2.100	(0.494)	342073	1000.00	990
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	53442	100.000	101
18 1,2-Dichloroethene (trans)	96	2.121	2.121	(0.499)	95602	50.0000	48.7
19 Methyl-tert-butyl ether	73	2.121	2.121	(0.499)	157863	100.000	81.0
20 n-Hexane	57	2.304	2.304	(0.542)	134989	50.0000	49.1
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	158623	50.0000	47.3
23 Vinyl Acetate	43	2.450	2.450	(0.576)	393305	200.000	172

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	40680	50.0000	37.8
25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	98756	50.0000	48.8
26 2-Butanone	43	2.932	2.932	(0.689)	116550	250.000	260
27 Propionitrile	54	2.994	2.994	(0.704)	5821	50.0000	46.7(Q)
28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	114052	50.0000	48.8
29 Bromochloromethane	49	3.146	3.146	(0.739)	74090	50.0000	50.4
30 Tetrahydrofuran	42	3.209	3.209	(0.754)	44801	50.0000	51.0
31 Chloroform	83	3.230	3.230	(0.759)	157688	50.0000	47.4
$ 32 Dibromofluoromethane (S)	113	3.413	3.413	(0.802)	99301	50.0000	49.0
33 1,1,1-Trichloroethane	97	3.439	3.439	(0.808)	98811	50.0000	42.1
35 Carbon Tetrachloride	117	3.632	3.632	(0.854)	83372	50.0000	40.8
36 1,1-Dichloropropene	75	3.632	3.632	(0.854)	118116	50.0000	51.6
37 Isobutyl alcohol	43	2.932	2.932	(0.689)	116550	50.0000	51.9
140 Cyclohexane	56	3.496	3.496	(0.822)	155011	50.0000	52.1
38 Benzene	78	3.899	3.899	(0.916)	329674	50.0000	49.4
39 1,2-Dichloroethane	62	3.925	3.925	(0.923)	94712	50.0000	49.2
138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	360941	50.0000	52.8
141 Methylcyclohexane	55	4.914	4.914	(1.155)	130405	50.0000	50.0
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	373698	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	96413	50.0000	48.5
42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	83308	50.0000	49.0
43 Dibromomethane	93	5.086	5.086	(1.195)	42744	50.0000	50.1
44 Methyl methacrylate	69	5.149	5.149	(1.210)	25485	50.0000	45.0
45 Bromodichloromethane	83	5.285	5.285	(1.242)	97306	50.0000	50.0
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	84148	50.0000	41.8
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	218778	250.000	236
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	370925	50.0000	50.5
50 Toluene	91	6.153	6.153	(0.835)	377338	50.0000	46.1
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	55294	50.0000	41.3
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	50638	50.0000	44.5
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	46839	50.0000	50.7
54 Tetrachloroethene	166	6.692	6.692	(0.908)	128506	50.0000	48.9
55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	95230	50.0000	52.8
56 2-Hexanone	43	6.828	6.828	(0.926)	138417	250.000	234
57 Dibromochloromethane	129	6.917	6.917	(0.938)	66385	50.0000	45.4
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	56984	50.0000	48.2
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	255255	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	250594	50.0000	47.1
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	70283	50.0000	44.6
62 Ethylbenzene	106	7.482	7.482	(1.015)	143974	50.0000	50.3
63 m&p-Xylene	106	7.571	7.571	(1.027)	362259	100.000	95.8
65 o-Xylene	106	7.843	7.843	(1.064)	168014	50.0000	49.1
66 Styrene	104	7.853	7.853	(1.065)	262786	50.0000	47.0
67 Bromoform	173	7.968	7.968	(0.900)	28908	50.0000	44.0
68 Isopropylbenzene	105	8.444	8.444	(1.145)	361819	50.0000	47.2
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	9906	50.0000	43.8
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	109423	50.0000	50.2
71 Bromobenzene	77	8.266	8.266	(1.121)	128256	50.0000	49.2
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	59196	50.0000	51.0
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	50133	50.0000	50.6
74 n-Propylbenzene	91	8.340	8.340	(0.942)	506425	50.0000	51.0
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	280104	50.0000	49.4
76 4-Chlorotoluene	126	8.449	8.449	(0.955)	112361	50.0000	48.7
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	361819	50.0000	50.4

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07CCV.D
Report Date: 08-Apr-2009 12:12

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	407372	50.0000	50.1
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	343866	50.0000	50.4
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	487121	50.0000	52.6
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	203897	50.0000	48.8
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	136223	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	407372	50.0000	50.1
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	207823	50.0000	47.6
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	178779	50.0000	48.8
86 n-Butylbenzene	91	9.051	9.051	(1.022)	369394	50.0000	48.9
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	5479	50.0000	43.5
88 1,2,4-Trichlorobenzene	180	9.893	9.893	(1.118)	113462	50.0000	48.8
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	78053	50.0000	48.3
90 Naphthalene	128	10.029	10.029	(1.133)	173841	50.0000	46.5
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.147)	93515	50.0000	48.4
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	68007	50.0000	41.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07CCV.D
Report Date: 08-Apr-2009 12:12

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A07CCV.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:12
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	373698	0.00
59 Chlorobenzene-d5	255255	127628	510510	255255	0.00
82 1,4-Dichlorobenze	136223	68112	272446	136223	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A07CCV.D
Analysis Type: WATER
Lab Sample ID: 50ppb
Method: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m

Injection Date: 07-APR-2009 14:55
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	50.00000	55.06022	0.27276	0.100	10.12044	0.000e+000	Linear	
2 Chloromethane	50.00000	53.70367	0.29227	0.100	7.40733	0.000e+000	Linear	
3 Vinyl Chloride	0.26428	0.27345	0.27345	0.100	3.46835	20.00000	Averaged	
4 Bromomethane	0.18384	0.20319	0.20319	0.100	10.52588	20.00000	Averaged	
139 Methyl Acetate	50.00000	39.93737	0.09639	0.100	-20.12525	0.000e+000	Linear	
5 Chloroethane	50.00000	55.12767	0.15967	0.100	10.25535	0.000e+000	Linear	
6 Trichlorofluoromethane	0.53163	0.57394	0.57394	0.100	7.95828	20.00000	Averaged	
7 Diethyl ether	50.00000	49.63191	0.09014	0.100	-0.73619	0.000e+000	Linear	
8 Acrolein	0.01172	0.01304	0.01304	0.100	11.26156	20.00000	Averaged	
9 1,1-Dichloroethene	0.24057	0.23472	0.23472	0.100	-2.43159	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	50.00000	52.07594	0.27740	0.100	4.15188	0.000e+000	Linear	
11 Acetone	250	274	0.04430	0.100	9.72588	0.000e+000	Linear	
12 Iodomethane	100	100	0.43512	0.100	0.03875	0.000e+000	Linear	
13 Carbon Disulfide	100	103	0.65129	0.100	3.33585	0.000e+000	Linear	
142 Acetonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
14 allyl chloride	0.37520	0.36936	0.36936	0.100	-1.55709	20.00000	Averaged	
15 Methylene Chloride	50.00000	50.74062	0.23371	0.100	1.48123	0.000e+000	Linear	
16 Acrylonitrile	0.04622	0.04577	0.04577	0.100	-0.98198	20.00000	Averaged	
17 tert-Butyl Alcohol	0.07048	0.07150	0.07150	0.100	1.44684	20.00000	Averaged	
18 1,2-Dichloroethene (trans)	0.26286	0.25583	0.25583	0.100	-2.67406	20.00000	Averaged	ND
19 Methyl-tert-butyl ether	100	80.96278	0.21122	0.100	-19.03722	0.000e+000	Linear	BP
20 n-Hexane	50.00000	49.09517	0.36122	0.100	-1.80966	0.000e+000	Linear	MA
21 1,1-Dichloroethane	0.44894	0.42447	0.42447	0.100	-5.45104	20.00000	Averaged	4.89
23 Vinyl Acetate	200	172	0.26312	0.100	-14.16154	0.000e+000	Linear	
143 Chloroprene	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
24 2,2-Dichloropropane	50.00000	37.84684	0.10886	0.100	-24.30632	0.000e+000	Quadratic	
144 Methacrylonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
25 1,2-Dichloroethene (cis)	0.27085	0.26427	0.26427	0.100	-2.42908	20.00000	Averaged	
26 2-Butanone	0.06004	0.06238	0.06238	0.100	3.89465	20.00000	Averaged	
27 Propionitrile	50.00000	46.68909	0.01558	0.100	-6.62181	0.000e+000	Linear	
28 1,2-dichlorotrifluoroethane	0.31269	0.30520	0.30520	0.100	-2.39561	20.00000	Averaged	
29 Bromochloromethane	50.00000	50.37976	0.19826	0.100	0.75951	0.000e+000	Linear	
30 Tetrahydrofuran	50.00000	51.05385	0.11989	0.100	2.10769	0.000e+000	Linear	
31 Chloroform	0.44502	0.42197	0.42197	0.100	-5.18046	20.00000	Averaged	
$ 32 Dibromofluoromethane (S)	0.27107	0.26573	0.26573	0.100	-1.97138	20.00000	Averaged	
33 1,1,1-Trichloroethane	50.00000	42.12599	0.26441	0.100	-15.74802	0.000e+000	Linear	
35 Carbon Tetrachloride	50.00000	40.77755	0.22310	0.100	-18.44490	0.000e+000	Linear	
36 1,1-Dichloropropene	0.30619	0.31607	0.31607	0.100	3.22624	20.00000	Averaged	
37 Isobutyl alcohol	0.30019	0.31188	0.31188	0.100	3.89601	20.00000	Averaged	
140 Cyclohexane	0.39814	0.41480	0.41480	0.100	4.18620	20.00000	Averaged	
38 Benzene	0.89291	0.88219	0.88219	0.100	-1.19966	20.00000	Averaged	
39 1,2-Dichloroethane	0.25746	0.25345	0.25345	0.100	-1.56120	20.00000	Averaged	
138 2,2,4-Trimethylpentane	0.91511	0.96586	0.96586	0.100	5.54639	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A07CCV.D
Analysis Type: WATER
Lab Sample ID: 50ppb
Method: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m

Injection Date: 07-APR-2009 14:55
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	50.00000	49.99636	0.34896	0.100	-0.00727	0.000e+000	Linear	
41 Trichloroethene	50.00000	48.46812	0.25800	0.100	-3.06377	0.000e+000	Linear	
42 1,2-Dichloropropane	0.22741	0.22293	0.22293	0.100	-1.97114	20.00000	Averaged	
43 Dibromomethane	50.00000	50.13400	0.11438	0.100	0.26800	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	45.01977	0.06820	0.100	-9.96045	0.000e+000	Linear	
147 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
45 Bromodichloromethane	0.26046	0.26039	0.26039	0.100	-0.02875	20.00000	Averaged	
46 2-Chloroethyl vinyl ether	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	41.76130	0.32966	0.100	-16.47739	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	250	236	0.17142	0.100	-5.45908	0.000e+000	Linear	
$ 49 Toluene-d8	1.43830	1.45315	1.45315	0.100	1.03273	20.00000	Averaged	
50 Toluene	1.60458	1.47828	1.47828	0.100	-7.87125	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	41.29813	0.21662	0.100	-17.40374	0.000e+000	Linear	
52 Ethyl Methacrylate	50.00000	44.47120	0.19838	0.100	-11.05760	0.000e+000	Linear	
53 1,1,2-Trichloroethane	0.18098	0.18350	0.18350	0.100	1.39312	20.00000	Averaged	
54 Tetrachloroethene	0.51431	0.50344	0.50344	0.100	-2.11295	20.00000	Averaged	
55 1,3-Dichloropropane	0.35357	0.37308	0.37308	0.100	5.51633	20.00000	Averaged	
56 2-Hexanone	250	234	0.10845	0.100	-6.51786	0.000e+000	Linear	
57 Dibromochloromethane	50.00000	45.36446	0.26007	0.100	-9.27109	0.000e+000	Linear	
58 1,2-Dibromoethane	50.00000	48.24559	0.22324	0.100	-3.50882	0.000e+000	Linear	
60 Chlorobenzene	1.04299	0.98174	0.98174	0.100	-5.87258	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	44.57969	0.27534	0.100	-10.84062	0.000e+000	Linear	
62 Ethylbenzene	0.56079	0.56404	0.56404	0.100	0.57931	20.00000	Averaged	
63 m&p-Xylene	0.74040	0.70960	0.70960	0.100	-4.15995	20.00000	Averaged	
65 o-Xylene	0.67021	0.65822	0.65822	0.100	-1.78842	20.00000	Averaged	
66 Styrene	50.00000	46.97919	1.02950	0.100	-6.04161	0.000e+000	Linear	
67 Bromoform	50.00000	43.96773	0.21221	0.100	-12.06454	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	47.25807	1.41748	0.100	-5.48385	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	43.77184	0.03881	0.100	-12.45632	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.42693	0.42868	0.42868	0.100	0.41121	20.00000	Averaged	
71 Bromobenzene	0.51006	0.50246	0.50246	0.100	-1.48983	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.42632	0.43455	0.43455	0.100	1.92981	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.36359	0.36802	0.36802	0.100	1.21847	20.00000	Averaged	
74 n-Propylbenzene	3.64303	3.71762	3.71762	0.100	2.04743	20.00000	Averaged	
75 2-Chlorotoluene	2.08195	2.05622	2.05622	0.100	-1.23597	20.00000	Averaged	
76 4-Chlorotoluene	0.84652	0.82483	0.82483	0.100	-2.56247	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.63625	2.65608	2.65608	0.100	0.75206	20.00000	Averaged	
78 tert-Butylbenzene	2.98669	2.99048	2.99048	0.100	0.12672	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.50353	2.52429	2.52429	0.100	0.82923	20.00000	Averaged	
80 sec-Butylbenzene	3.39766	3.57591	3.57591	0.100	5.24624	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.53301	1.49679	1.49679	0.100	-2.36248	20.00000	Averaged	
83 p-Isopropyltoluene	2.98669	2.99048	2.99048	0.100	0.12672	20.00000	Averaged	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07CCV.D
Report Date: 08-Apr-2009 12:12

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

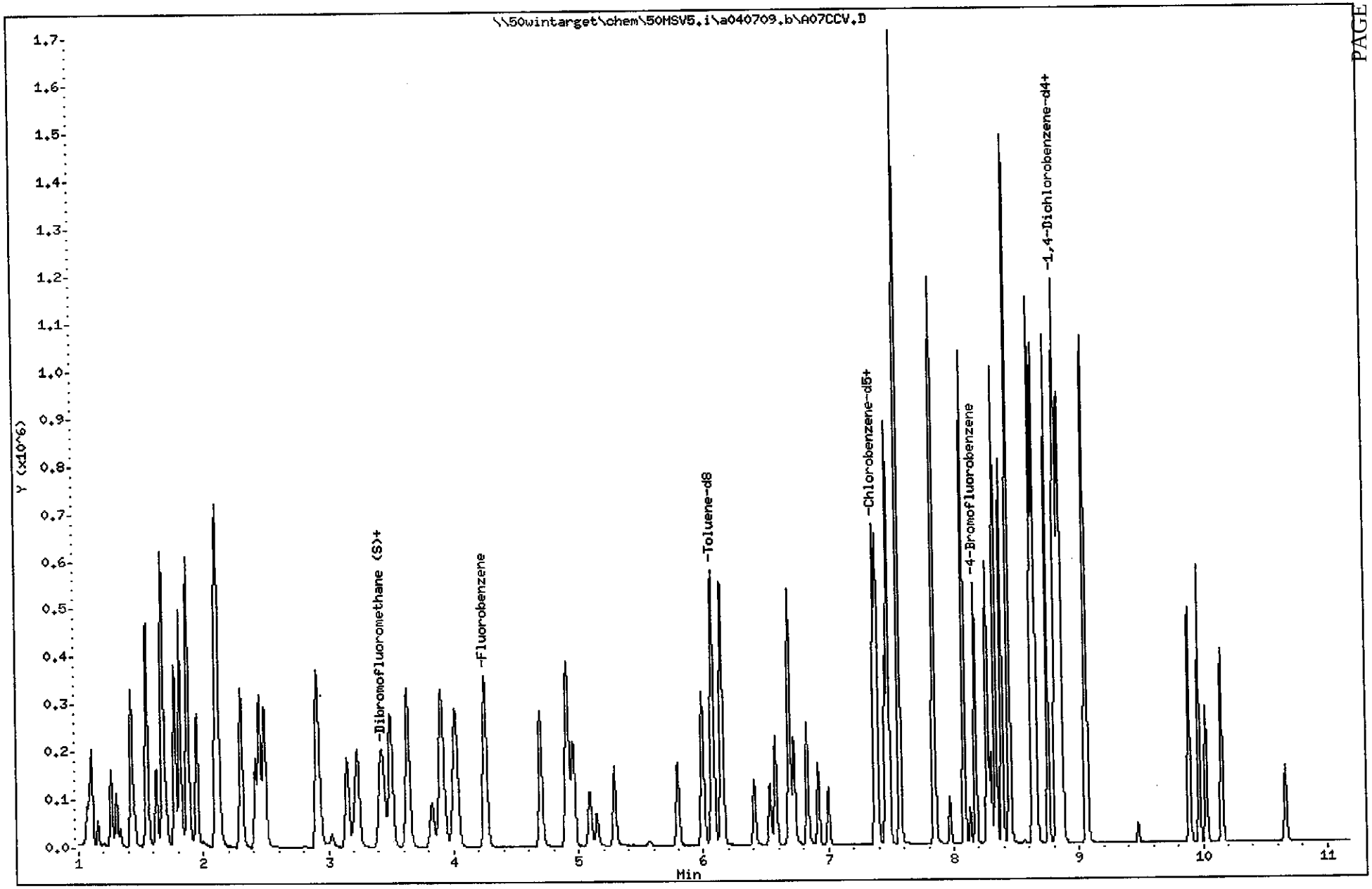
Instrument ID: 50MSV5.i
Lab File ID: A07CCV.D
Analysis Type: WATER
Lab Sample ID: 50ppb
Injection Date: 07-APR-2009 14:55
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.60339	1.52561	1.52561	0.100	-4.85090	20.00000	Averaged
85 1,2-Dichlorobenzene	1.34479	1.31240	1.31240	0.100	-2.40858	20.00000	Averaged
86 n-Butylbenzene	50.00000	48.90447	2.71169	0.100	-2.19107	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	43.50623	0.04022	0.100	-12.98754	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	48.77222	0.83291	0.100	-2.45557	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	48.33467	0.57298	0.100	-3.33067	0.000e+000	Linear
90 Naphthalene	50.00000	46.53858	1.27615	0.100	-6.92284	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	48.35799	0.68648	0.100	-3.28402	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	40.95525	0.49923	0.100	-18.08949	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07CCV.D
Date : 07-APR-2009 14:55
Client ID: 50ppb
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A07CCV.D

Date : 07-APR-2009 14:55

Client ID: 50ppb

Instrument: 50MSV5.i

Sample Info: 50ppb

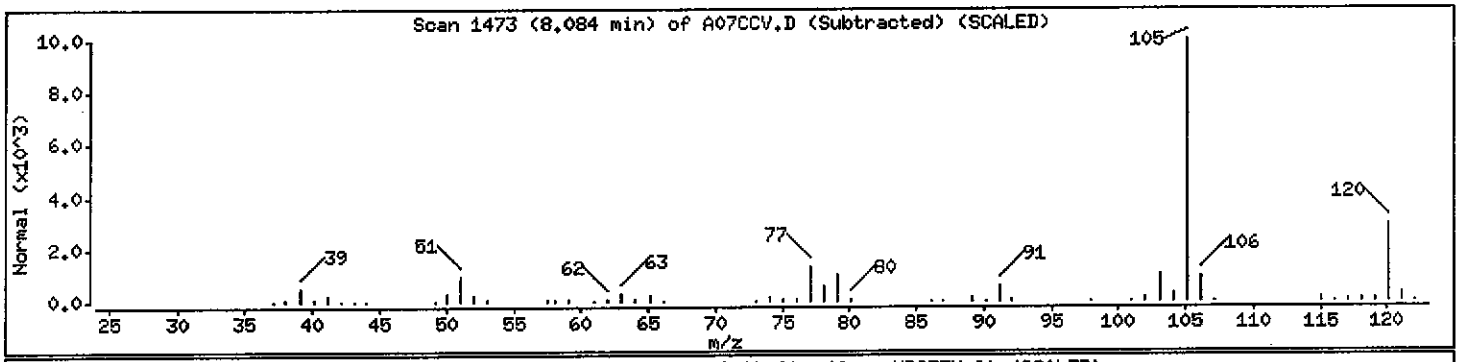
Purge Volume: 5.0

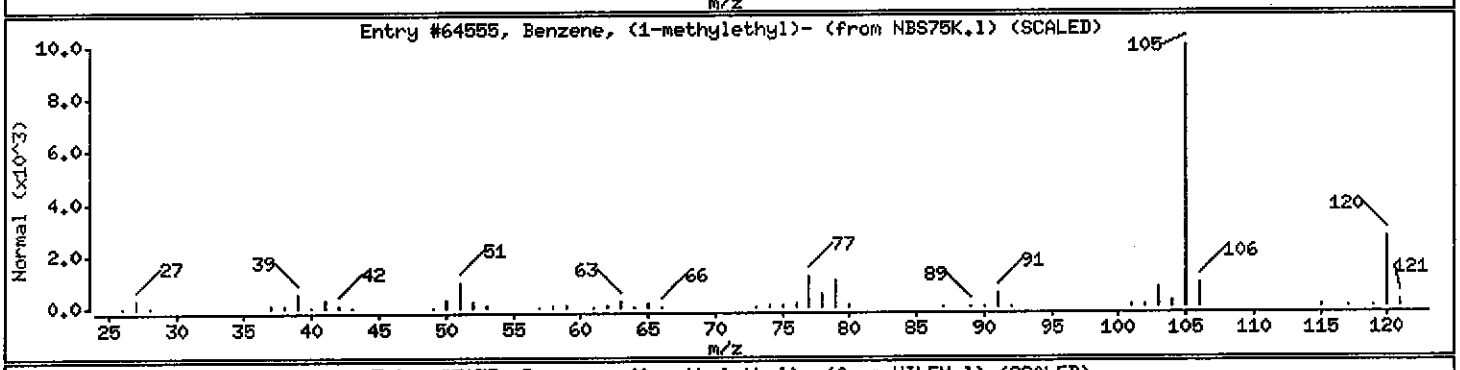
Operator: ala

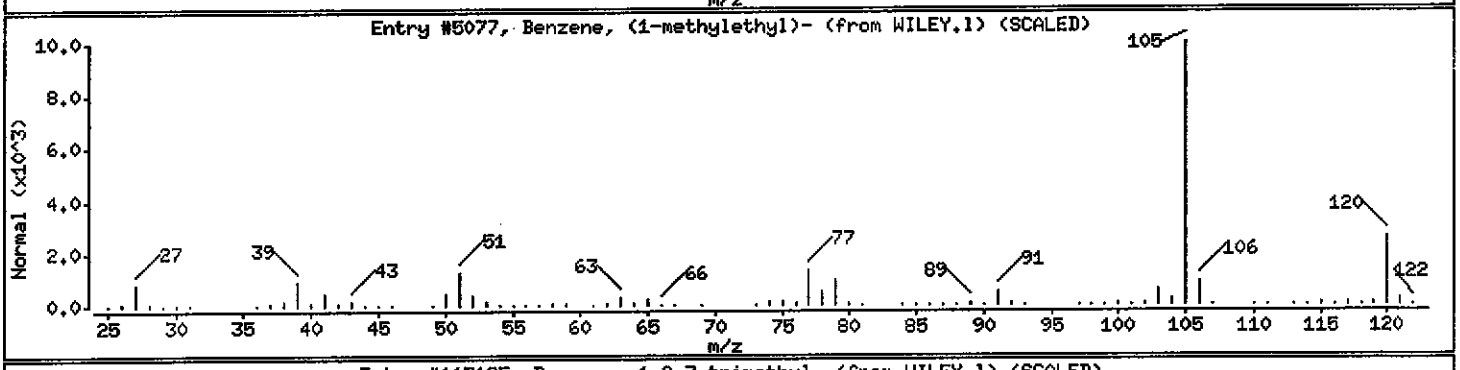
Column phase: DB-624

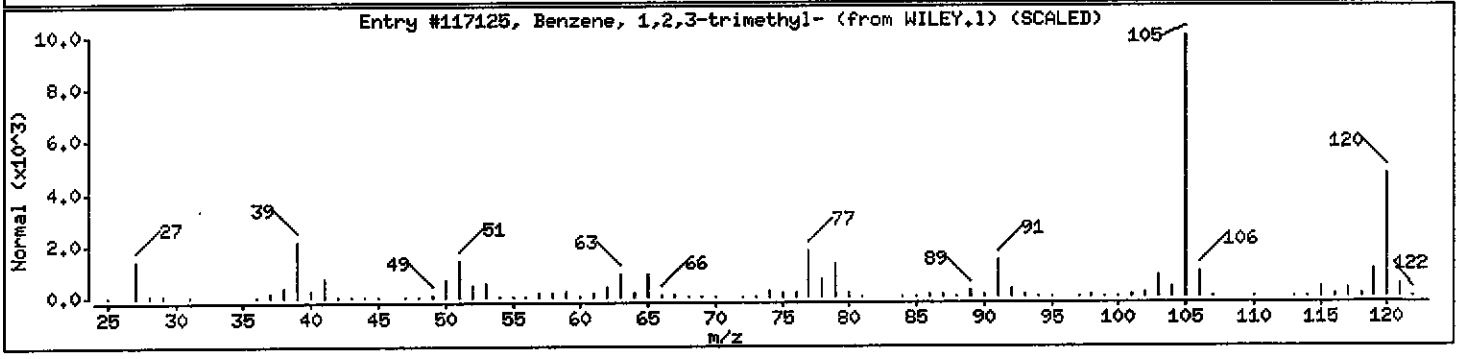
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	5077	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A08.D
Lab Smp Id: 100ppb
Client Smp ID: 100ppb
Inj Date : 07-APR-2009 15:32
Operator : ala
Inst ID: 50MSV5.i
Smp Info : 100ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison
Quant Type: ISTD
Cal Date : 07-APR-2009 14:55
Cal File: A07.D
Als bottle: 17
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	0.976	0.975	(0.229)	213438	100.000	89.4
2 Chloromethane	50	1.070	1.070	(0.252)	231222	100.000	86.1
3 Vinyl Chloride	62	1.106	1.106	(0.260)	214669	100.000	90.9
4 Bromomethane	94	1.258	1.263	(0.296)	166411	100.000	106
139 Methyl Acetate	43	2.121	2.121	(0.499)	98365	100.000	121
5 Chloroethane	64	1.300	1.300	(0.306)	126306	100.000	84.8
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	447337	100.000	96.2
7 Diethyl ether	74	1.551	1.551	(0.365)	74660	100.000	115
8 Acrolein	56	1.619	1.624	(0.381)	211022	2000.00	2240
9 1,1-Dichloroethene	96	1.682	1.682	(0.395)	189248	100.000	87.6
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	221222	100.000	85.9
11 Acetone	43	1.703	1.697	(0.400)	171850	500.000	260
12 Iodomethane	142	1.771	1.770	(0.416)	735705	200.000	269
13 Carbon Disulfide	76	1.812	1.812	(0.426)	1051475	200.000	168
14 allyl chloride	41	1.875	1.875	(0.441)	611689	200.000	180
15 Methylene Chloride	84	1.948	1.948	(0.458)	183172	100.000	42.9
16 Acrylonitrile	53	2.100	2.100	(0.494)	755712	2000.00	1950
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	116430	200.000	184
18 1,2-Dichloroethene (trans)	96	2.116	2.121	(0.497)	208039	100.000	92.9
19 Methyl-tert-butyl ether	73	2.116	2.121	(0.497)	426673	200.000	268
20 n-Hexane	57	2.304	2.304	(0.542)	299978	100.000	72.5
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	354723	100.000	92.5
23 Vinyl Acetate	43	2.451	2.450	(0.576)	1020042	400.000	635

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	124317	100.000	178
	25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	221729	100.000	99.5
	26 2-Butanone	43	2.927	2.932	(0.688)	261564	500.000	536
	27 Propionitrile	54	2.995	2.994	(0.704)	14043	100.000	152(Q)
	28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	244435	100.000	85.9
	29 Bromochloromethane	49	3.146	3.146	(0.739)	161979	100.000	96.0
	30 Tetrahydrofuran	42	3.209	3.209	(0.754)	65538	100.000	6.15
	31 Chloroform	83	3.230	3.230	(0.759)	342953	100.000	88.0
$	32 Dibromofluoromethane (S)	113	3.408	3.413	(0.801)	110061	50.0000	48.6
	33 1,1,1-Trichloroethane	97	3.434	3.439	(0.807)	260636	100.000	138
	35 Carbon Tetrachloride	117	3.633	3.632	(0.854)	230558	100.000	163
	36 1,1-Dichloropropene	75	3.633	3.632	(0.854)	264527	100.000	110
	37 Isobutyl alcohol	43	2.927	2.932	(0.688)	261564	100.000	107
	140 Cyclohexane	56	3.497	3.496	(0.822)	340959	100.000	108
	38 Benzene	78	3.899	3.899	(0.916)	726348	100.000	97.2
	39 1,2-Dichloroethane	62	3.926	3.925	(0.923)	208881	100.000	97.8
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	804060	100.000	113
	141 Methylcyclohexane	55	4.914	4.914	(1.155)	286673	100.000	117
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	409763	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.103)	215195	100.000	67.8
	42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	188240	100.000	102
	43 Dibromomethane	93	5.087	5.086	(1.195)	93469	100.000	108
	44 Methyl methacrylate	69	5.144	5.149	(1.209)	65495	100.000	169
	45 Bromodichloromethane	83	5.285	5.285	(1.242)	229053	100.000	118
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	228397	100.000	194
	48 4-Methyl-2-Pentanone	43	5.991	5.997	(0.813)	509675	500.000	665
$	49 Toluene-d8	98	6.080	6.080	(0.825)	404640	50.0000	49.6
	50 Toluene	91	6.148	6.153	(0.834)	837147	100.000	86.6
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	163275	100.000	193
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	131321	100.000	167
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	104382	100.000	104
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	282875	100.000	97.5
	55 1,3-Dichloropropane	76	6.724	6.729	(0.912)	207469	100.000	108
	56 2-Hexanone	43	6.828	6.828	(0.926)	330098	500.000	697
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	164024	100.000	174
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	132682	100.000	169
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	283351	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	562073	100.000	92.5
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	174713	100.000	179
	62 Ethylbenzene	106	7.482	7.482	(1.015)	317237	100.000	103
	63 m&p-Xylene	106	7.571	7.571	(1.027)	819912	200.000	205
	65 o-Xylene	106	7.843	7.843	(1.064)	380502	100.000	107
	66 Styrene	104	7.853	7.853	(1.065)	596586	100.000	113
	67 Bromoform	173	7.968	7.968	(0.900)	75259	100.000	151
	68 Isopropylbenzene	105	8.444	8.444	(1.145)	812647	100.000	110
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	25450	100.000	128(Q)
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	117729	50.0000	47.6
	71 Bromobenzene	77	8.267	8.266	(1.121)	276130	100.000	94.7
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	132544	100.000	105
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	114862	100.000	113
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	1100994	100.000	100
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	604601	100.000	92.8
	76 4-Chlorotoluene	126	8.455	8.449	(0.955)	250111	100.000	102
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	812647	100.000	111

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	935185	100.000	116
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	783336	100.000	112
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	1068422	100.000	110
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	448605	100.000	98.3
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	150147	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	935185	100.000	116
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	453367	100.000	90.6
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	395168	100.000	98.1
86 n-Butylbenzene	91	9.056	9.051	(1.023)	824427	100.000	120
87 1,2-Dibromo-3-chloropropane	155	9.480	9.475	(1.071)	15178	100.000	152
88 1,2,4-Trichlorobenzene	180	9.893	9.893	(1.118)	254375	100.000	131
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	174342	100.000	115
90 Naphthalene	128	10.029	10.029	(1.133)	413762	100.000	161
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.147)	213111	100.000	124
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	201303	100.000	269

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A08.D
Lab Smp Id: 100ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 100ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	409763	9.65
59 Chlorobenzene-d5	255255	127628	510510	283351	11.01
82 1,4-Dichlorobenze	136223	68112	272446	150147	10.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	89.4	
74-87-3	Chloromethane	86.1	
75-01-4	Vinyl Chloride	90.9	
74-83-9	Bromomethane	106	
79-20-9	Methyl Acetate	121	
75-00-3	Chloroethane	84.8	
75-69-4	Trichlorofluoromethane	96.2	
60-29-7	Diethyl ether	115	
107-02-8	Acrolein	2240	
75-35-4	1,1-Dichloroethene	87.6	
76-13-1	1,1,2trichlorotrifluoroethan	85.9	
67-64-1	Acetone	260	
	Iodomethane	269	
75-15-0	Carbon Disulfide	168	
107-05-1	allyl chloride	180	
75-09-2	Methylene Chloride	42.9	
107-13-1	Acrylonitrile	1950	
75-65-0	tert-Butyl Alcohol	184	
156-60-5	1,2-Dichloroethene (trans)	92.9	
1634-04-4	Methyl-tert-butyl ether	268	
	n-Hexane	72.5	
75-34-3	1,1-Dichloroethane	92.5	
108-05-4	Vinyl Acetate	635	
594-20-7	2,2-Dichloropropane	178	
156-59-2	1,2-Dichloroethene (cis)	99.5	
78-93-3	2-Butanone	536	
107-12-0	Propionitrile	152	
354-23-4	1,2-dichlorotrifluoroethane	85.9	
74-97-5	Bromochloromethane	96.0	
	Tetrahydrofuran	6.15	
67-66-3	Chloroform	88.0	
71-55-6	1,1,1-Trichloroethane	138	
56-23-5	Carbon Tetrachloride	163	
563-58-6	1,1-Dichloropropene	110	
78-83-1	Isobutyl alcohol	107	
110-82-7	Cyclohexane	108	
71-43-2	Benzene	97.2	
107-06-2	1,2-Dichloroethane	97.8	
540-84-1	2,2,4-Trimethylpentane	113	
108-87-2	Methylcyclohexane	117	
79-01-6	Trichloroethene	67.8	
78-87-5	1,2-Dichloropropane	102	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A08.D
Report Date: 08-Apr-2009 12:12

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	108	
80-62-6	Methyl methacrylate	169	
75-27-4	Bromodichloromethane	118	
10061-01-5	cis-1,3-Dichloropropene	194	
108-10-1	4-Methyl-2-Pentanone	665	
108-88-3	Toluene	86.6	
10061-02-6	trans-1,3-Dichloropropene	193	
	Ethyl Methacrylate	167	
79-00-5	1,1,2-Trichloroethane	104	
127-18-4	Tetrachloroethene	97.5	
142-28-9	1,3-Dichloropropane	108	
591-78-6	2-Hexanone	697	
124-48-1	Dibromochloromethane	174	
106-93-4	1,2-Dibromoethane	169	
108-90-7	Chlorobenzene	92.5	
630-20-6	1,1,1,2-Tetrachloroethane	179	
100-41-4	Ethylbenzene	103	
7816-60-0	m&p-Xylene	205	
95-47-6	o-Xylene	107	
100-42-5	Styrene	113	
75-25-2	Bromoform	151	
98-82-8	Isopropylbenzene	110	
	trans-1,4-Dichloro-2-butene	128	
108-86-1	Bromobenzene	94.7	
79-34-5	1,1,2,2-Tetrachloroethane	105	
96-18-4	1,2,3-Trichloropropane	113	
103-65-1	n-Propylbenzene	100	
95-49-8	2-Chlorotoluene	92.8	
106-43-4	4-Chlorotoluene	102	
108-67-8	1,3,5-Trimethylbenzene	111	
98-06-6	tert-Butylbenzene	116	
95-63-6	1,2,4-Trimethylbenzene	112	
135-98-8	sec-Butylbenzene	110	
541-73-1	1,3-Dichlorobenzene	98.3	
99-87-6	p-Isopropyltoluene	116	
106-46-7	1,4-Dichlorobenzene	90.6	
95-50-1	1,2-Dichlorobenzene	98.1	
104-51-8	n-Butylbenzene	120	
96-12-8	1,2-Dibromo-3-chloropropane	152	
120-82-1	1,2,4-Trichlorobenzene	131	
87-68-3	Hexachlorobutadiene	115	
91-20-3	Naphthalene	161	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

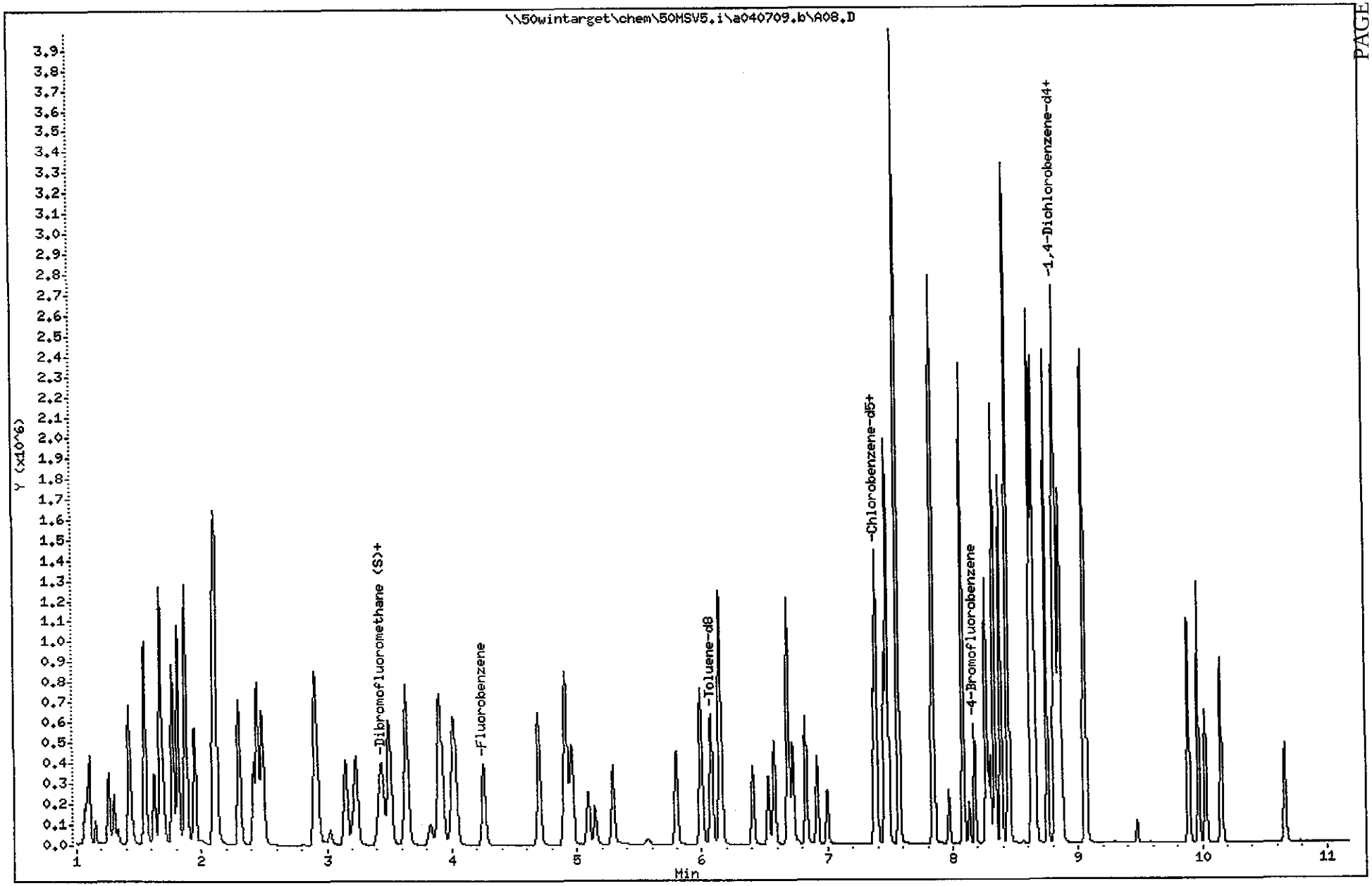
Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	124	
	2,methyl-naphthalene	269	
1868-53-7	Dibromofluoromethane (S)	48.6	
2037-26-5	Toluene-d8	49.6	
460-00-4	4-Bromofluorobenzene	47.6	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A08.D
Date : 07-APR-2009 15:32
Client ID: 100ppb
Sample Info: 100ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A08.D

Date : 07-APR-2009 15:32

Client ID: 100ppb

Sample Info: 100ppb

Purge Volume: 5.0

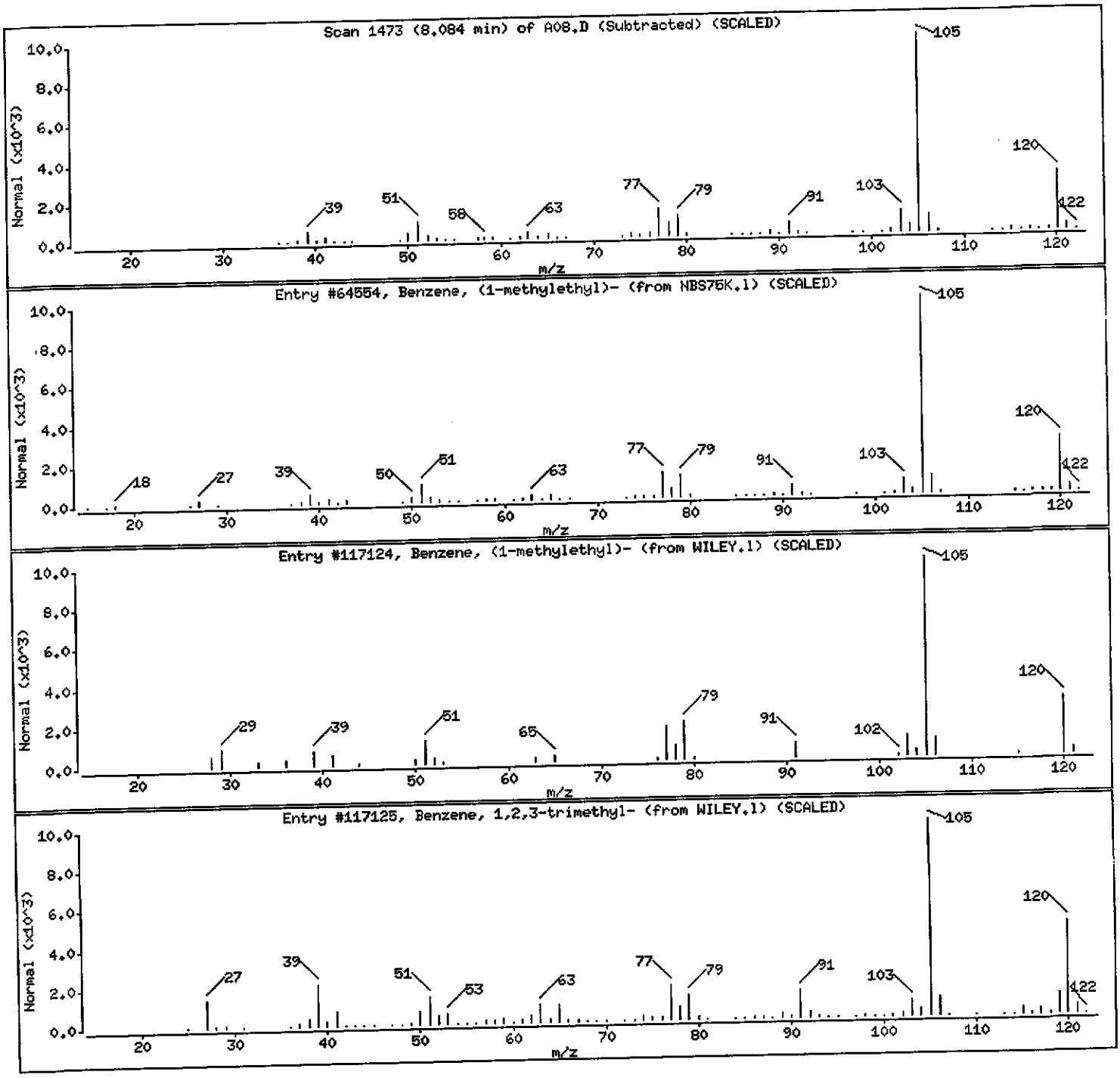
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64554	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117124	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A09.D
Lab Smp Id: 150ppb
Client Smp ID: 150ppb
Inj Date : 07-APR-2009 16:09
Operator : ala
Inst ID: 50MSV5.i
Smp Info : 150ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison
Quant Type: ISTD
Cal Date : 07-APR-2009 15:32
Cal File: A08.D
Als bottle: 19
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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.975	(0.228)	317165	150.000	122
2 Chloromethane	50	1.070	1.070	(0.252)	349556	150.000	120
3 Vinyl Chloride	62	1.106	1.106	(0.260)	313470	150.000	122
4 Bromomethane	94	1.258	1.263	(0.296)	255500	150.000	145
139 Methyl Acetate	43	2.116	2.121	(0.497)	196182	150.000	209
5 Chloroethane	64	1.300	1.300	(0.306)	184679	150.000	115
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	656359	150.000	128
7 Diethyl ether	74	1.551	1.551	(0.365)	130502	150.000	176
8 Acrolein	56	1.619	1.624	(0.381)	316752	3000.00	2950
9 1,1-Dichloroethene	96	1.682	1.682	(0.395)	317894	150.000	136
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	372362	150.000	135
11 Acetone	43	1.697	1.697	(0.399)	265787	750.000	400
12 Iodomethane	142	1.771	1.770	(0.416)	1258234	300.000	387
13 Carbon Disulfide	76	1.813	1.812	(0.426)	1756510	300.000	261
14 allyl chloride	41	1.875	1.875	(0.441)	975233	300.000	264
15 Methylene Chloride	84	1.943	1.948	(0.457)	307934	150.000	73.3
16 Acrylonitrile	53	2.100	2.100	(0.494)	1309442	3000.00	3050
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	204256	300.000	297
18 1,2-Dichloroethene (trans)	96	2.116	2.121	(0.497)	362460	150.000	148
19 Methyl-tert-butyl ether	73	2.116	2.121	(0.497)	843763	300.000	447
20 n-Hexane	57	2.304	2.304	(0.542)	516359	150.000	119
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	619771	150.000	148
23 Vinyl Acetate	43	2.451	2.450	(0.576)	1899537	600.000	953

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	268930	150.000	300
25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	388127	150.000	157
26 2-Butanone	43	2.927	2.932	(0.688)	433199	750.000	787
27 Propionitrile	54	2.989	2.994	(0.703)	25184	150.000	217
28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	408733	150.000	133
29 Bromochloromethane	49	3.146	3.146	(0.739)	273775	150.000	147
30 Tetrahydrofuran	42	3.204	3.209	(0.753)	94453	150.000	9.83
31 Chloroform	83	3.230	3.230	(0.759)	596719	150.000	141
$ 32 Dibromofluoromethane (S)	113	3.408	3.413	(0.801)	120746	50.0000	48.3
33 1,1,1-Trichloroethane	97	3.434	3.439	(0.807)	485577	150.000	215
35 Carbon Tetrachloride	117	3.633	3.632	(0.854)	439640	150.000	248
36 1,1-Dichloropropene	75	3.633	3.632	(0.854)	458520	150.000	169
37 Isobutyl alcohol	43	2.927	2.932	(0.688)	433199	150.000	157
140 Cyclohexane	56	3.497	3.496	(0.822)	593270	150.000	167
38 Benzene	78	3.899	3.899	(0.916)	1257085	150.000	152
39 1,2-Dichloroethane	62	3.926	3.925	(0.923)	365317	150.000	155
138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	1377705	150.000	170
141 Methylcyclohexane	55	4.914	4.914	(1.155)	497615	150.000	177
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	455179	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	371424	150.000	112
42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	328687	150.000	159
43 Dibromomethane	93	5.087	5.086	(1.195)	160575	150.000	164
44 Methyl methacrylate	69	5.144	5.149	(1.209)	117810	150.000	234
45 Bromodichloromethane	83	5.291	5.285	(1.243)	412308	150.000	185
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	424128	150.000	284
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	895991	750.000	1020
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	440823	50.0000	50.6
50 Toluene	91	6.148	6.153	(0.834)	1448203	150.000	144
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	316556	150.000	284
52 Ethyl Methacrylate	69	6.530	6.535	(0.886)	234753	150.000	239
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	179245	150.000	166
54 Tetrachloroethene	166	6.692	6.692	(0.908)	460003	150.000	149
55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	354369	150.000	170
56 2-Hexanone	43	6.828	6.828	(0.926)	570953	750.000	1040
57 Dibromochloromethane	129	6.917	6.917	(0.938)	291411	150.000	252
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	228727	150.000	239
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	303203	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	970035	150.000	151
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	321721	150.000	266
62 Ethylbenzene	106	7.482	7.482	(1.015)	556034	150.000	168
63 m&p-Xylene	106	7.571	7.571	(1.027)	1490485	300.000	347
65 o-Xylene	106	7.843	7.843	(1.064)	686387	150.000	178
66 Styrene	104	7.853	7.853	(1.065)	1084559	150.000	187
67 Bromoform	173	7.969	7.968	(0.900)	142626	150.000	231
68 Isopropylbenzene	105	8.444	8.444	(1.145)	1471178	150.000	183
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	47492	150.000	209
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	130071	50.0000	49.7
71 Bromobenzene	77	8.267	8.266	(1.121)	488628	150.000	158
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	226889	150.000	163
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	203944	150.000	178
74 n-Propylbenzene	91	8.340	8.340	(0.942)	1915582	150.000	159
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	1053135	150.000	149
76 4-Chlorotoluene	126	8.450	8.449	(0.955)	455605	150.000	169
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	1471178	150.000	179

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	1710461	150.000	187
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	1378204	150.000	175
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	1886668	150.000	174
81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	805880	150.000	161
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	164929	50.0000	(Q)
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	1710461	150.000	187
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	809240	150.000	150
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	703736	150.000	160
86 n-Butylbenzene	91	9.056	9.051	(1.023)	1456472	150.000	185
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	28273	150.000	220
88 1,2,4-Trichlorobenzene	180	9.888	9.893	(1.117)	451059	150.000	200
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	312259	150.000	182
90 Naphthalene	128	10.024	10.029	(1.132)	751014	150.000	237
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.147)	374721	150.000	189
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	400674	150.000	343

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A09.D
Lab Smp Id: 150ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 150ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	455179	21.80
59 Chlorobenzene-d5	255255	127628	510510	303203	18.78
82 1,4-Dichlorobenze	136223	68112	272446	164929	21.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.01
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	122	
74-87-3	Chloromethane	120	
75-01-4	Vinyl Chloride	122	
74-83-9	Bromomethane	145	
79-20-9	Methyl Acetate	209	
75-00-3	Chloroethane	115	
75-69-4	Trichlorofluoromethane	128	
60-29-7	Diethyl ether	176	
107-02-8	Acrolein	2950	
75-35-4	1,1-Dichloroethene	136	
76-13-1	1,1,2trichlorotrifluoroethan	135	
67-64-1	Acetone	400	
	Iodomethane	387	
75-15-0	Carbon Disulfide	261	
107-05-1	allyl chloride	264	
75-09-2	Methylene Chloride	73.3	
107-13-1	Acrylonitrile	3050	
75-65-0	tert-Butyl Alcohol	297	
156-60-5	1,2-Dichloroethene (trans)	148	
1634-04-4	Methyl-tert-butyl ether	447	
	n-Hexane	119	
75-34-3	1,1-Dichloroethane	148	
108-05-4	Vinyl Acetate	953	
594-20-7	2,2-Dichloropropane	300	
156-59-2	1,2-Dichloroethene (cis)	157	
78-93-3	2-Butanone	787	
107-12-0	Propionitrile	217	
354-23-4	1,2-dichlorotrifluoroethane	133	
74-97-5	Bromochloromethane	147	
	Tetrahydrofuran	9.83	
67-66-3	Chloroform	141	
71-55-6	1,1,1-Trichloroethane	215	
56-23-5	Carbon Tetrachloride	248	
563-58-6	1,1-Dichloropropene	169	
78-83-1	Isobutyl alcohol	157	
110-82-7	Cyclohexane	167	
71-43-2	Benzene	152	
107-06-2	1,2-Dichloroethane	155	
540-84-1	2,2,4-Trimethylpentane	170	
108-87-2	Methylcyclohexane	177	
79-01-6	Trichloroethene	112	
78-87-5	1,2-Dichloropropane	159	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	164	
80-62-6	Methyl methacrylate	234	
75-27-4	Bromodichloromethane	185	
10061-01-5	cis-1,3-Dichloropropene	284	
108-10-1	4-Methyl-2-Pentanone	1020	
108-88-3	Toluene	144	
10061-02-6	trans-1,3-Dichloropropene	284	
	Ethyl Methacrylate	239	
79-00-5	1,1,2-Trichloroethane	166	
127-18-4	Tetrachloroethene	149	
142-28-9	1,3-Dichloropropane	170	
591-78-6	2-Hexanone	1040	
124-48-1	Dibromochloromethane	252	
106-93-4	1,2-Dibromoethane	239	
108-90-7	Chlorobenzene	151	
630-20-6	1,1,1,2-Tetrachloroethane	266	
100-41-4	Ethylbenzene	168	
7816-60-0	m&p-Xylene	347	
95-47-6	o-Xylene	178	
100-42-5	Styrene	187	
75-25-2	Bromoform	231	
98-82-8	Isopropylbenzene	183	
	trans-1,4-Dichloro-2-butene	209	
108-86-1	Bromobenzene	158	
79-34-5	1,1,2,2-Tetrachloroethane	163	
96-18-4	1,2,3-Trichloropropane	178	
103-65-1	n-Propylbenzene	159	
95-49-8	2-Chlorotoluene	149	
106-43-4	4-Chlorotoluene	169	
108-67-8	1,3,5-Trimethylbenzene	179	
98-06-6	tert-Butylbenzene	187	
95-63-6	1,2,4-Trimethylbenzene	175	
135-98-8	sec-Butylbenzene	174	
541-73-1	1,3-Dichlorobenzene	161	
99-87-6	p-Isopropyltoluene	187	
106-46-7	1,4-Dichlorobenzene	150	
95-50-1	1,2-Dichlorobenzene	160	
104-51-8	n-Butylbenzene	185	
96-12-8	1,2-Dibromo-3-chloropropane	220	
120-82-1	1,2,4-Trichlorobenzene	200	
87-68-3	Hexachlorobutadiene	182	
91-20-3	Naphthalene	237	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A09.D
Report Date: 08-Apr-2009 12:12

Pace Analytical Services, Inc.

TARGET COMPOUNDS

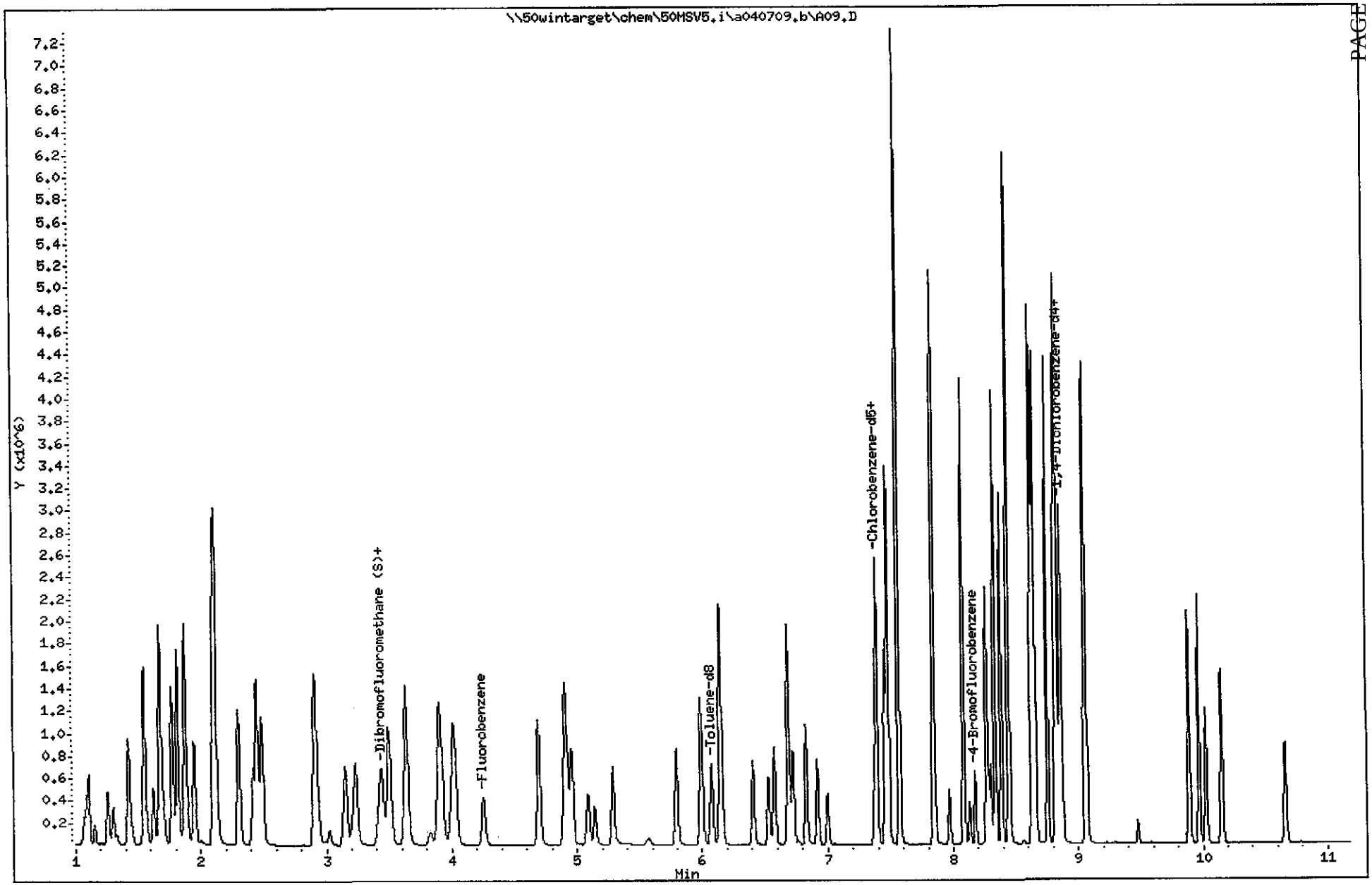
Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	189	
	2,methyl-naphthalene	343	
		==========	=====
1868-53-7	Dibromofluoromethane (S)	48.3	
2037-26-5	Toluene-d8	50.6	
460-00-4	4-Bromofluorobenzene	49.7	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A09.D
Date : 07-APR-2009 16:09
Client ID: 150ppb
Sample Info: 150ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A09.D

Date : 07-APR-2009 16:09

Client ID: 150ppb

Instrument: 50MSV5.i

Sample Info: 150ppb

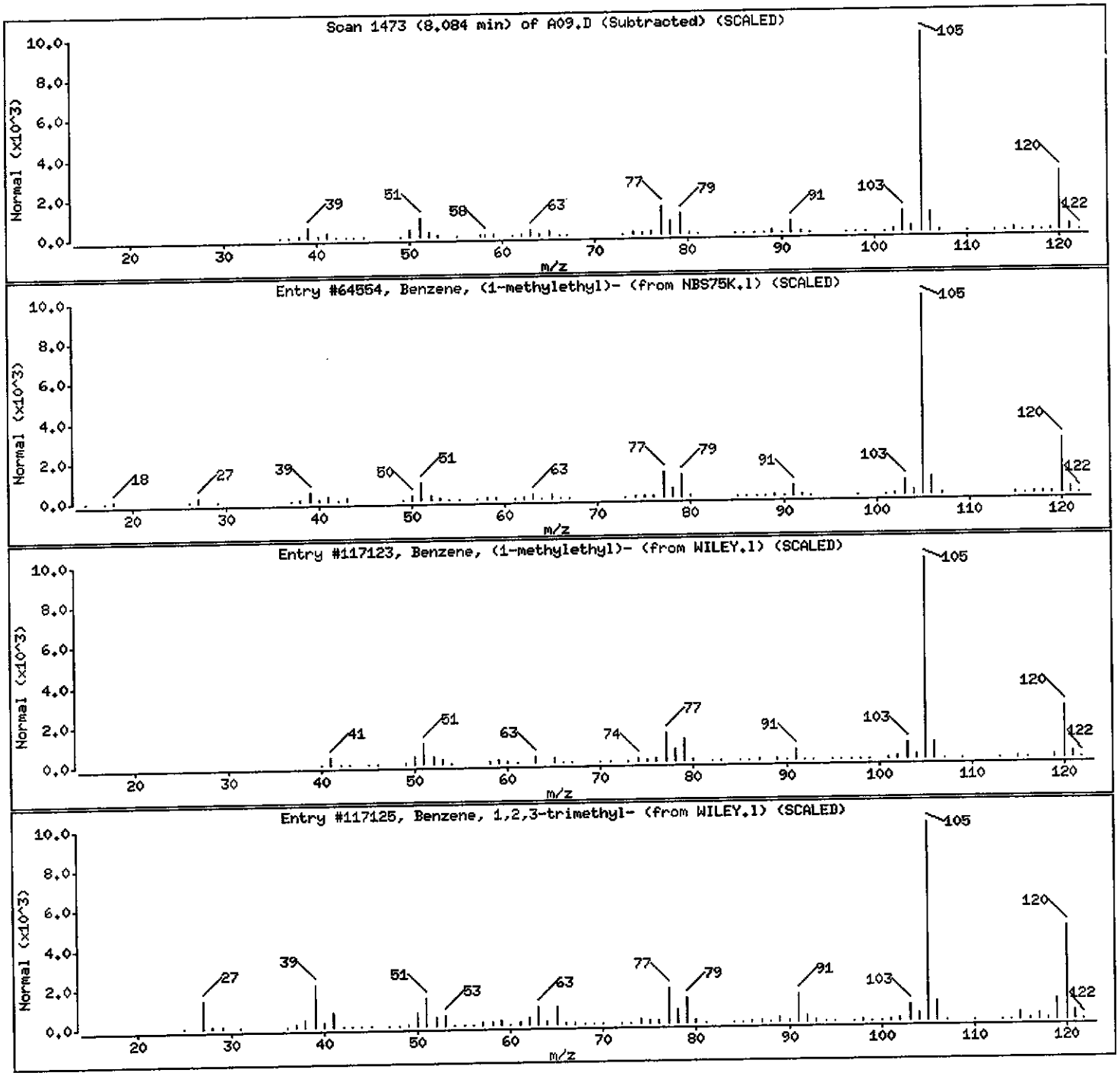
Operator: ala

Purge Volume: 5.0

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64554	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A10.D
Lab Smp Id: 200ppb Client Smp ID: 200ppb
Inj Date : 07-APR-2009 16:45
Operator : ala Inst ID: 50MSV5.i
Smp Info : 200ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:32 Cal File: A08.D
Als bottle: 21 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.975	(0.228)	468948	200.000	170
2 Chloromethane	50	1.070	1.070	(0.251)	521444	200.000	170
3 Vinyl Chloride	62	1.106	1.106	(0.260)	466369	200.000	171
4 Bromomethane	94	1.253	1.263	(0.295)	353644	200.000	184
139 Methyl Acetate	43	2.116	2.121	(0.497)	286226	200.000	261
5 Chloroethane	64	1.295	1.300	(0.304)	271761	200.000	161
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	947891	200.000	173
7 Diethyl ether	74	1.551	1.551	(0.365)	171681	200.000	206
8 Acrolein	56	1.619	1.624	(0.381)	463688	4000.00	3960
9 1,1-Dichloroethene	96	1.676	1.682	(0.394)	418577	200.000	166
10 1,1,2trichlorotrifluoroethane	101	1.666	1.671	(0.392)	484451	200.000	164
11 Acetone	43	1.697	1.697	(0.399)	353438	1000.00	527
12 Iodomethane	142	1.771	1.770	(0.416)	1665157	400.000	446
13 Carbon Disulfide	76	1.812	1.812	(0.426)	2295541	400.000	319
14 allyl chloride	41	1.875	1.875	(0.441)	1301534	400.000	328
15 Methylene Chloride	84	1.943	1.948	(0.457)	404175	200.000	96.0
16 Acrylonitrile	53	2.100	2.100	(0.494)	1761836	4000.00	3740
17 tert-Butyl Alcohol	59	1.546	1.551	(0.363)	265272	400.000	353
18 1,2-Dichloroethene (trans)	96	2.116	2.121	(0.497)	492082	200.000	184
19 Methyl-tert-butyl ether	73	2.116	2.121	(0.497)	1235589	400.000	552
20 n-Hexane	57	2.304	2.304	(0.542)	687999	200.000	150
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	835700	200.000	182
23 Vinyl Acetate	43	2.451	2.450	(0.576)	2585126	800.000	1080

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	400662	200.000	350
25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	524344	200.000	192
26 2-Butanone	43	2.926	2.932	(0.688)	580957	1000.00	957
27 Propionitrile	54	2.994	2.994	(0.704)	33663	200.000	243(Q)
28 1,2-dichlorotrifluoroethane	67	1.551	1.546	(0.365)	529684	200.000	160
29 Bromochloromethane	49	3.146	3.146	(0.739)	365251	200.000	180
30 Tetrahydrofuran	42	3.204	3.209	(0.753)	116323	200.000	13.1
31 Chloroform	83	3.230	3.230	(0.759)	804299	200.000	176
$ 32 Dibromofluoromethane (S)	113	3.413	3.413	(0.802)	131835	50.0000	48.4
33 1,1,1-Trichloroethane	97	3.434	3.439	(0.807)	667140	200.000	252
35 Carbon Tetrachloride	117	3.633	3.632	(0.854)	606317	200.000	282
36 1,1-Dichloropropene	75	3.633	3.632	(0.854)	621093	200.000	204
37 Isobutyl alcohol	43	2.926	2.932	(0.688)	580957	200.000	191
140 Cyclohexane	56	3.497	3.496	(0.822)	801455	200.000	202
38 Benzene	78	3.899	3.899	(0.916)	1699461	200.000	188
39 1,2-Dichloroethane	62	3.925	3.925	(0.923)	495681	200.000	191
138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	1884307	200.000	208
141 Methylcyclohexane	55	4.909	4.914	(1.154)	674418	200.000	213
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	498322	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	498431	200.000	144
42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	445082	200.000	195
43 Dibromomethane	93	5.087	5.086	(1.195)	216131	200.000	199
44 Methyl methacrylate	69	5.144	5.149	(1.209)	163390	200.000	266
45 Bromodichloromethane	83	5.285	5.285	(1.242)	556197	200.000	219
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	586835	200.000	310
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	1217460	1000.00	1190
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	479034	50.0000	49.7
50 Toluene	91	6.154	6.153	(0.835)	1965813	200.000	178
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	445402	200.000	307
52 Ethyl Methacrylate	69	6.530	6.535	(0.886)	324624	200.000	268
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	243294	200.000	201
54 Tetrachloroethene	166	6.692	6.692	(0.908)	646453	200.000	190
55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	482106	200.000	205
56 2-Hexanone	43	6.828	6.828	(0.926)	780684	1000.00	1210
57 Dibromochloromethane	129	6.917	6.917	(0.938)	397779	200.000	280
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	310652	200.000	268
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	334544	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	1321043	200.000	186
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	447710	200.000	297
62 Ethylbenzene	106	7.482	7.482	(1.015)	753796	200.000	202
63 m&p-Xylene	106	7.571	7.571	(1.027)	2044678	400.000	420
65 o-Xylene	106	7.843	7.843	(1.064)	932727	200.000	213
66 Styrene	104	7.853	7.853	(1.065)	1485810	200.000	223
67 Bromoform	173	7.968	7.968	(0.900)	194218	200.000	254
68 Isopropylbenzene	105	8.444	8.444	(1.145)	2062769	200.000	224
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	67980	200.000	251
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	139245	50.0000	48.2
71 Bromobenzene	77	8.267	8.266	(1.121)	657772	200.000	191
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.934)	310413	200.000	196
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	283355	200.000	214
74 n-Propylbenzene	91	8.340	8.340	(0.942)	2582405	200.000	189
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	1425330	200.000	180
76 4-Chlorotoluene	126	8.450	8.449	(0.954)	630815	200.000	204
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.953)	2062769	200.000	218

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	2345725	200.000	220
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	1910932	200.000	211
80 sec-Butylbenzene	105	8.758	8.753	(0.989)	2549103	200.000	204
81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	1107197	200.000	195
* 82 1,4-Dichlorobenzene-d4	152	8.858	8.852	(1.000)	184690	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	2345725	200.000	220
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.001)	1113033	200.000	184
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.024)	963471	200.000	193
86 n-Butylbenzene	91	9.056	9.051	(1.022)	2013073	200.000	220
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	40236	200.000	250
88 1,2,4-Trichlorobenzene	180	9.893	9.893	(1.117)	630792	200.000	236
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	432079	200.000	218
90 Naphthalene	128	10.024	10.029	(1.132)	1036840	200.000	267
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.146)	514474	200.000	222
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	569836	200.000	346

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A10.D
Report Date: 08-Apr-2009 12:12

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A10.D
Lab Smp Id: 200ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 200ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	498322	33.35
59 Chlorobenzene-d5	255255	127628	510510	334544	31.06
82 1,4-Dichlorobenze	136223	68112	272446	184690	35.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.86	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	170	
74-87-3	Chloromethane	170	
75-01-4	Vinyl Chloride	171	
74-83-9	Bromomethane	184	
79-20-9	Methyl Acetate	261	
75-00-3	Chloroethane	161	
75-69-4	Trichlorofluoromethane	173	
60-29-7	Diethyl ether	206	
107-02-8	Acrolein	3960	
75-35-4	1,1-Dichloroethene	166	
76-13-1	1,1,2trichlorotrifluoroethan	164	
67-64-1	Acetone	527	
	Iodomethane	446	
75-15-0	Carbon Disulfide	319	
107-05-1	allyl chloride	328	
75-09-2	Methylene Chloride	96.0	
107-13-1	Acrylonitrile	3740	
75-65-0	tert-Butyl Alcohol	353	
156-60-5	1,2-Dichloroethene (trans)	184	
1634-04-4	Methyl-tert-butyl ether	552	
	n-Hexane	150	
75-34-3	1,1-Dichloroethane	182	
108-05-4	Vinyl Acetate	1080	
594-20-7	2,2-Dichloropropane	350	
156-59-2	1,2-Dichloroethene (cis)	192	
78-93-3	2-Butanone	957	
107-12-0	Propionitrile	243	
354-23-4	1,2-dichlorotrifluoroethane	160	
74-97-5	Bromochloromethane	180	
	Tetrahydrofuran	13.1	
67-66-3	Chloroform	176	
71-55-6	1,1,1-Trichloroethane	252	
56-23-5	Carbon Tetrachloride	282	
563-58-6	1,1-Dichloropropene	204	
78-83-1	Isobutyl alcohol	191	
110-82-7	Cyclohexane	202	
71-43-2	Benzene	188	
107-06-2	1,2-Dichloroethane	191	
540-84-1	2,2,4-Trimethylpentane	208	
108-87-2	Methylcyclohexane	213	
79-01-6	Trichloroethene	144	
78-87-5	1,2-Dichloropropane	195	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	199	
80-62-6	Methyl methacrylate	266	
75-27-4	Bromodichloromethane	219	
10061-01-5	cis-1,3-Dichloropropene	310	
108-10-1	4-Methyl-2-Pentanone	1190	
108-88-3	Toluene	178	
10061-02-6	trans-1,3-Dichloropropene	307	
	Ethyl Methacrylate	268	
79-00-5	1,1,2-Trichloroethane	201	
127-18-4	Tetrachloroethene	190	
142-28-9	1,3-Dichloropropane	205	
591-78-6	2-Hexanone	1210	
124-48-1	Dibromochloromethane	280	
106-93-4	1,2-Dibromoethane	268	
108-90-7	Chlorobenzene	186	
630-20-6	1,1,1,2-Tetrachloroethane	297	
100-41-4	Ethylbenzene	202	
7816-60-0	m&p-Xylene	420	
95-47-6	o-Xylene	213	
100-42-5	Styrene	223	
75-25-2	Bromoform	254	
98-82-8	Isopropylbenzene	224	
	trans-1,4-Dichloro-2-butene	251	
108-86-1	Bromobenzene	191	
79-34-5	1,1,2,2-Tetrachloroethane	196	
96-18-4	1,2,3-Trichloropropane	214	
103-65-1	n-Propylbenzene	189	
95-49-8	2-Chlorotoluene	180	
106-43-4	4-Chlorotoluene	204	
108-67-8	1,3,5-Trimethylbenzene	218	
98-06-6	tert-Butylbenzene	220	
95-63-6	1,2,4-Trimethylbenzene	211	
135-98-8	sec-Butylbenzene	204	
541-73-1	1,3-Dichlorobenzene	195	
99-87-6	p-Isopropyltoluene	220	
106-46-7	1,4-Dichlorobenzene	184	
95-50-1	1,2-Dichlorobenzene	193	
104-51-8	n-Butylbenzene	220	
96-12-8	1,2-Dibromo-3-chloropropane	250	
120-82-1	1,2,4-Trichlorobenzene	236	
87-68-3	Hexachlorobutadiene	218	
91-20-3	Naphthalene	267	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

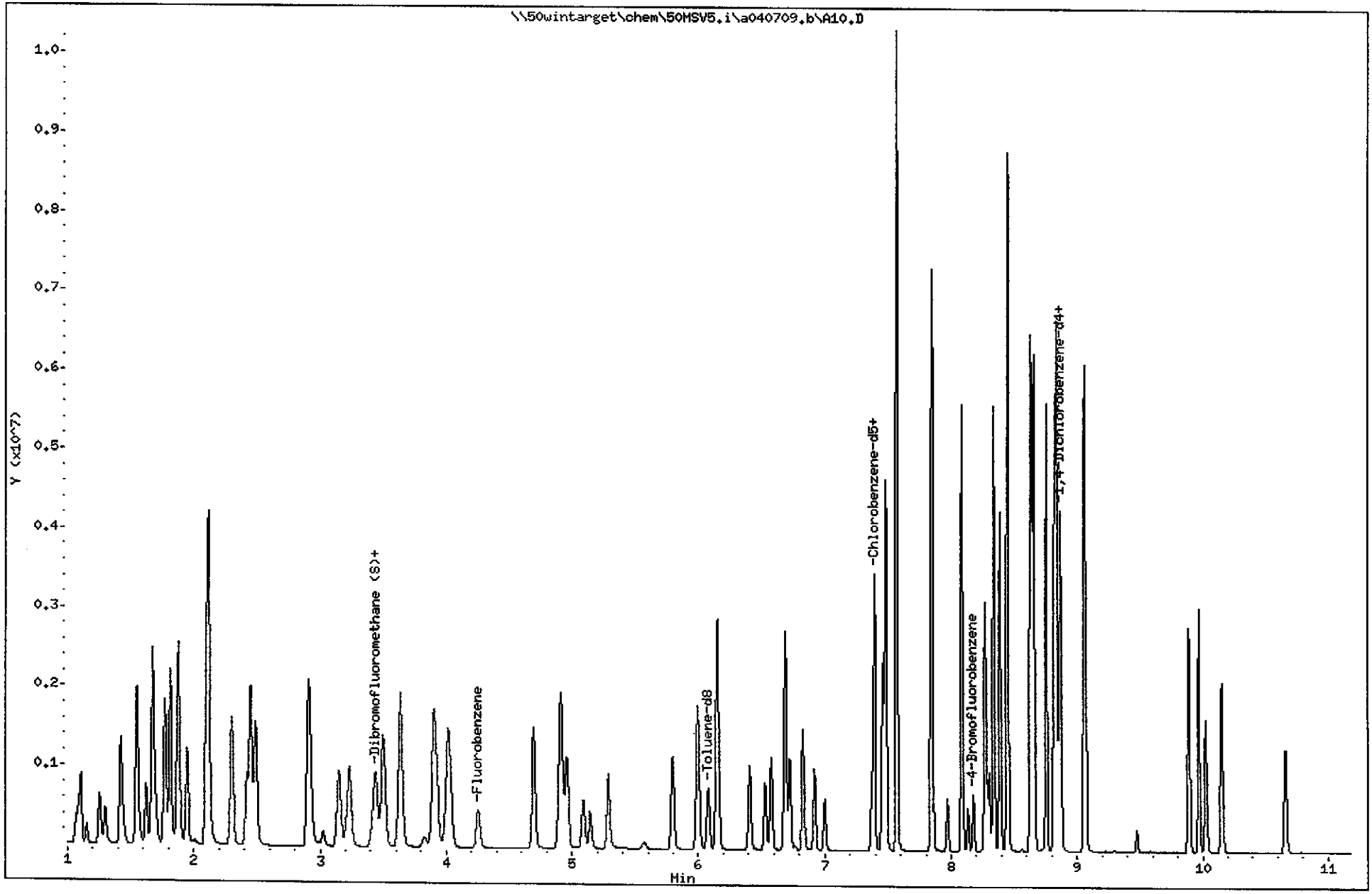
Client SDG: a040709.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	222	
	2,methyl-naphthalene	346	
1868-53-7	Dibromofluoromethane (S)	48.4	
2037-26-5	Toluene-d8	49.7	
460-00-4	4-Bromofluorobenzene	48.2	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A10.D
Date : 07-APR-2009 16:45
Client ID: 200ppb
Sample Info: 200ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A10.D

Date : 07-APR-2009 16:45

Client ID: 200ppb

Sample Info: 200ppb

Purge Volume: 5.0

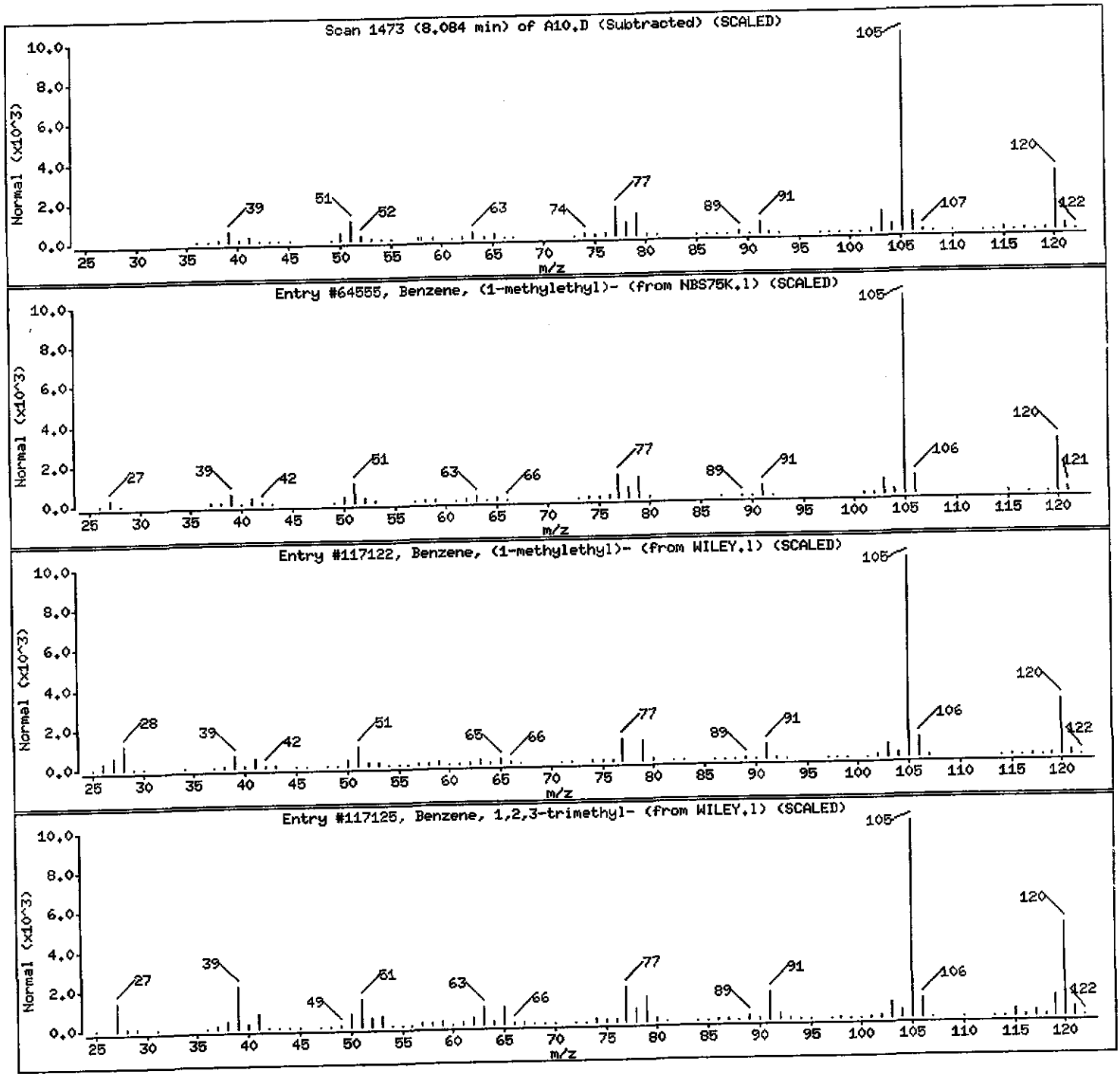
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117122	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A11.D
Lab Smp Id: 300ppb Client Smp ID: 300ppb
Inj Date : 07-APR-2009 17:22
Operator : ala Inst ID: 50MSV5.i
Smp Info : 300ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 16:45 Cal File: A10.D
Als bottle: 23 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.975	(0.228)	777434	300.000	266
2 Chloromethane	50	1.075	1.070	(0.253)	877688	300.000	269
3 Vinyl Chloride	62	1.106	1.106	(0.260)	765966	300.000	264
4 Bromomethane	94	1.248	1.263	(0.294)	452420	300.000	220
139 Methyl Acetate	43	2.116	2.121	(0.498)	490960	300.000	395
5 Chloroethane	64	1.289	1.300	(0.303)	433405	300.000	243
6 Trichlorofluoromethane	101	1.420	1.420	(0.334)	1560675	300.000	268
7 Diethyl ether	74	1.546	1.551	(0.364)	263848	300.000	290
8 Acrolein	56	1.619	1.624	(0.381)	752732	6000.00	5930
9 1,1-Dichloroethene	96	1.676	1.682	(0.395)	639691	300.000	240
10 1,1,2trichlorotrifluoroethane	101	1.666	1.671	(0.392)	741519	300.000	238
11 Acetone	43	1.697	1.697	(0.399)	517705	1500.00	763
12 Iodomethane	142	1.765	1.770	(0.415)	2553468	600.000	620
13 Carbon Disulfide	76	1.807	1.812	(0.425)	3499125	600.000	461
14 allyl chloride	41	1.875	1.875	(0.441)	1884038	600.000	450
15 Methylene Chloride	84	1.943	1.948	(0.457)	617888	300.000	146
16 Acrylonitrile	53	2.100	2.100	(0.494)	2737618	6000.00	5410
17 tert-Butyl Alcohol	59	1.546	1.551	(0.364)	407453	600.000	509
18 1,2-Dichloroethene (trans)	96	2.116	2.121	(0.498)	791821	300.000	276
19 Methyl-tert-butyl ether	73	2.116	2.121	(0.498)	2104227	600.000	822
20 n-Hexane	57	2.299	2.304	(0.541)	1105811	300.000	230
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	1341346	300.000	273
23 Vinyl Acetate	43	2.445	2.450	(0.575)	4174299	1200.00	1530

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.906	2.911	(0.684)	747983	300.000	543
	25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.685)	848999	300.000	288
	26 2-Butanone	43	2.927	2.932	(0.689)	915445	1500.00	1400
	27 Propionitrile	54	2.989	2.994	(0.703)	54719	300.000	352
	28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.364)	811539	300.000	233
	29 Bromochloromethane	49	3.146	3.146	(0.740)	579816	300.000	267
	30 Tetrahydrofuran	42	3.204	3.209	(0.754)	160713	300.000	19.2
	31 Chloroform	83	3.230	3.230	(0.760)	1294560	300.000	265
$	32 Dibromofluoromethane (S)	113	3.408	3.413	(0.802)	143709	50.0000	48.9
	33 1,1,1-Trichloroethane	97	3.434	3.439	(0.808)	1117875	300.000	375
	35 Carbon Tetrachloride	117	3.633	3.632	(0.855)	1027166	300.000	416
	36 1,1-Dichloropropene	75	3.633	3.632	(0.855)	1005205	300.000	304
	37 Isobutyl alcohol	43	2.927	2.932	(0.689)	915445	300.000	279
	140 Cyclohexane	56	3.497	3.496	(0.823)	1275092	300.000	295
	38 Benzene	78	3.899	3.899	(0.918)	2710989	300.000	278
	39 1,2-Dichloroethane	62	3.926	3.925	(0.924)	798874	300.000	285
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.945)	3001020	300.000	304
	141 Methylcyclohexane	55	4.909	4.914	(1.155)	1082932	300.000	312
*	40 Fluorobenzene	96	4.250	4.255	(1.000)	540927	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.105)	806978	300.000	224
	42 1,2-Dichloropropane	63	4.961	4.956	(1.167)	720221	300.000	292
	43 Dibromomethane	93	5.087	5.086	(1.197)	345865	300.000	293
	44 Methyl methacrylate	69	5.144	5.149	(1.210)	266551	300.000	379
	45 Bromodichloromethane	83	5.285	5.285	(1.244)	897290	300.000	321
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	965678	300.000	439
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	1939947	1500.00	1710
$	49 Toluene-d8	98	6.080	6.080	(0.825)	517553	50.0000	49.9
	50 Toluene	91	6.154	6.153	(0.835)	3186968	300.000	272
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	754569	300.000	444
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	517032	300.000	375
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	388531	300.000	298
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	1041840	300.000	287
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	767868	300.000	302
	56 2-Hexanone	43	6.834	6.828	(0.927)	1248232	1500.00	1750
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	652081	300.000	403
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	495146	300.000	378
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	360205	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	2178325	300.000	288
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	761678	300.000	439
	62 Ethylbenzene	106	7.482	7.482	(1.015)	1248394	300.000	310
	63 m&p-Xylene	106	7.571	7.571	(1.027)	3451208	600.000	654
	65 o-Xylene	106	7.843	7.843	(1.064)	1587832	300.000	333
	66 Styrene	104	7.853	7.853	(1.065)	2542421	300.000	349
	67 Bromoform	173	7.968	7.968	(0.900)	330878	300.000	376
	68 Isopropylbenzene	105	8.444	8.444	(1.145)	3534144	300.000	351
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	111812	300.000	368
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	147890	50.0000	47.8
	71 Bromobenzene	77	8.267	8.266	(1.121)	1094900	300.000	298
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.934)	508459	300.000	292
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	458054	300.000	311
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	4244261	300.000	285
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	2322829	300.000	271
	76 4-Chlorotoluene	126	8.450	8.449	(0.954)	1099735	300.000	323
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.953)	3534148	300.000	334

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	4118084	300.000	346
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	3300584	300.000	328
80 sec-Butylbenzene	105	8.758	8.753	(0.989)	4230383	300.000	307
81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	1907861	300.000	307
* 82 1,4-Dichlorobenzene-d4	152	8.858	8.852	(1.000)	203241	50.0000	(Q)
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	4118084	300.000	346
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.001)	1842530	300.000	280
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.024)	1648254	300.000	302
86 n-Butylbenzene	91	9.056	9.051	(1.022)	3372539	300.000	330
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	65975	300.000	355
88 1,2,4-Trichlorobenzene	180	9.888	9.893	(1.116)	1058729	300.000	351
89 Hexachlorobutadiene	225	9.972	9.972	(1.126)	741025	300.000	335
90 Naphthalene	128	10.024	10.029	(1.132)	1685769	300.000	376
91 1,2,3-Trichlorobenzene	180	10.155	10.155	(1.146)	852980	300.000	330
92 2,methyl-naphthalene	142	10.657	10.662	(1.203)	942179	300.000	464

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A11.D
Lab Smp Id: 300ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: 300ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	540927	44.75
59 Chlorobenzene-d5	255255	127628	510510	360205	41.12
82 1,4-Dichlorobenze	136223	68112	272446	203241	49.20

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.25	-0.12
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.86	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	266	
74-87-3	Chloromethane	269	
75-01-4	Vinyl Chloride	264	
74-83-9	Bromomethane	220	
79-20-9	Methyl Acetate	395	
75-00-3	Chloroethane	243	
75-69-4	Trichlorofluoromethane	268	
60-29-7	Diethyl ether	290	
107-02-8	Acrolein	5930	
75-35-4	1,1-Dichloroethene	240	
76-13-1	1,1,2trichlorotrifluoroethan	238	
67-64-1	Acetone	763	
	Iodomethane	620	
75-15-0	Carbon Disulfide	461	
107-05-1	allyl chloride	450	
75-09-2	Methylene Chloride	146	
107-13-1	Acrylonitrile	5410	
75-65-0	tert-Butyl Alcohol	509	
156-60-5	1,2-Dichloroethene (trans)	276	
1634-04-4	Methyl-tert-butyl ether	822	
	n-Hexane	230	
75-34-3	1,1-Dichloroethane	273	
108-05-4	Vinyl Acetate	1530	
594-20-7	2,2-Dichloropropane	543	
156-59-2	1,2-Dichloroethene (cis)	288	
78-93-3	2-Butanone	1400	
107-12-0	Propionitrile	352	
354-23-4	1,2-dichlorotrifluoroethane	233	
74-97-5	Bromochloromethane	267	
	Tetrahydrofuran	19.2	
67-66-3	Chloroform	265	
71-55-6	1,1,1-Trichloroethane	375	
56-23-5	Carbon Tetrachloride	416	
563-58-6	1,1-Dichloropropene	304	
78-83-1	Isobutyl alcohol	279	
110-82-7	Cyclohexane	295	
71-43-2	Benzene	278	
107-06-2	1,2-Dichloroethane	285	
540-84-1	2,2,4-Trimethylpentane	304	
108-87-2	Methylcyclohexane	312	
79-01-6	Trichloroethene	224	
78-87-5	1,2-Dichloropropane	292	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	293	
80-62-6	Methyl methacrylate	379	
75-27-4	Bromodichloromethane	321	
10061-01-5	cis-1,3-Dichloropropene	439	
108-10-1	4-Methyl-2-Pentanone	1710	
108-88-3	Toluene	272	
10061-02-6	trans-1,3-Dichloropropene	444	
	Ethyl Methacrylate	375	
79-00-5	1,1,2-Trichloroethane	298	
127-18-4	Tetrachloroethene	287	
142-28-9	1,3-Dichloropropane	302	
591-78-6	2-Hexanone	1750	
124-48-1	Dibromochloromethane	403	
106-93-4	1,2-Dibromoethane	378	
108-90-7	Chlorobenzene	288	
630-20-6	1,1,1,2-Tetrachloroethane	439	
100-41-4	Ethylbenzene	310	
7816-60-0	m&p-Xylene	654	
95-47-6	o-Xylene	333	
100-42-5	Styrene	349	
75-25-2	Bromoform	376	
98-82-8	Isopropylbenzene	351	
	trans-1,4-Dichloro-2-butene	368	
108-86-1	Bromobenzene	298	
79-34-5	1,1,2,2-Tetrachloroethane	292	
96-18-4	1,2,3-Trichloropropane	311	
103-65-1	n-Propylbenzene	285	
95-49-8	2-Chlorotoluene	271	
106-43-4	4-Chlorotoluene	323	
108-67-8	1,3,5-Trimethylbenzene	334	
98-06-6	tert-Butylbenzene	346	
95-63-6	1,2,4-Trimethylbenzene	328	
135-98-8	sec-Butylbenzene	307	
541-73-1	1,3-Dichlorobenzene	307	
99-87-6	p-Isopropyltoluene	346	
106-46-7	1,4-Dichlorobenzene	280	
95-50-1	1,2-Dichlorobenzene	302	
104-51-8	n-Butylbenzene	330	
96-12-8	1,2-Dibromo-3-chloropropane	355	
120-82-1	1,2,4-Trichlorobenzene	351	
87-68-3	Hexachlorobutadiene	335	
91-20-3	Naphthalene	376	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

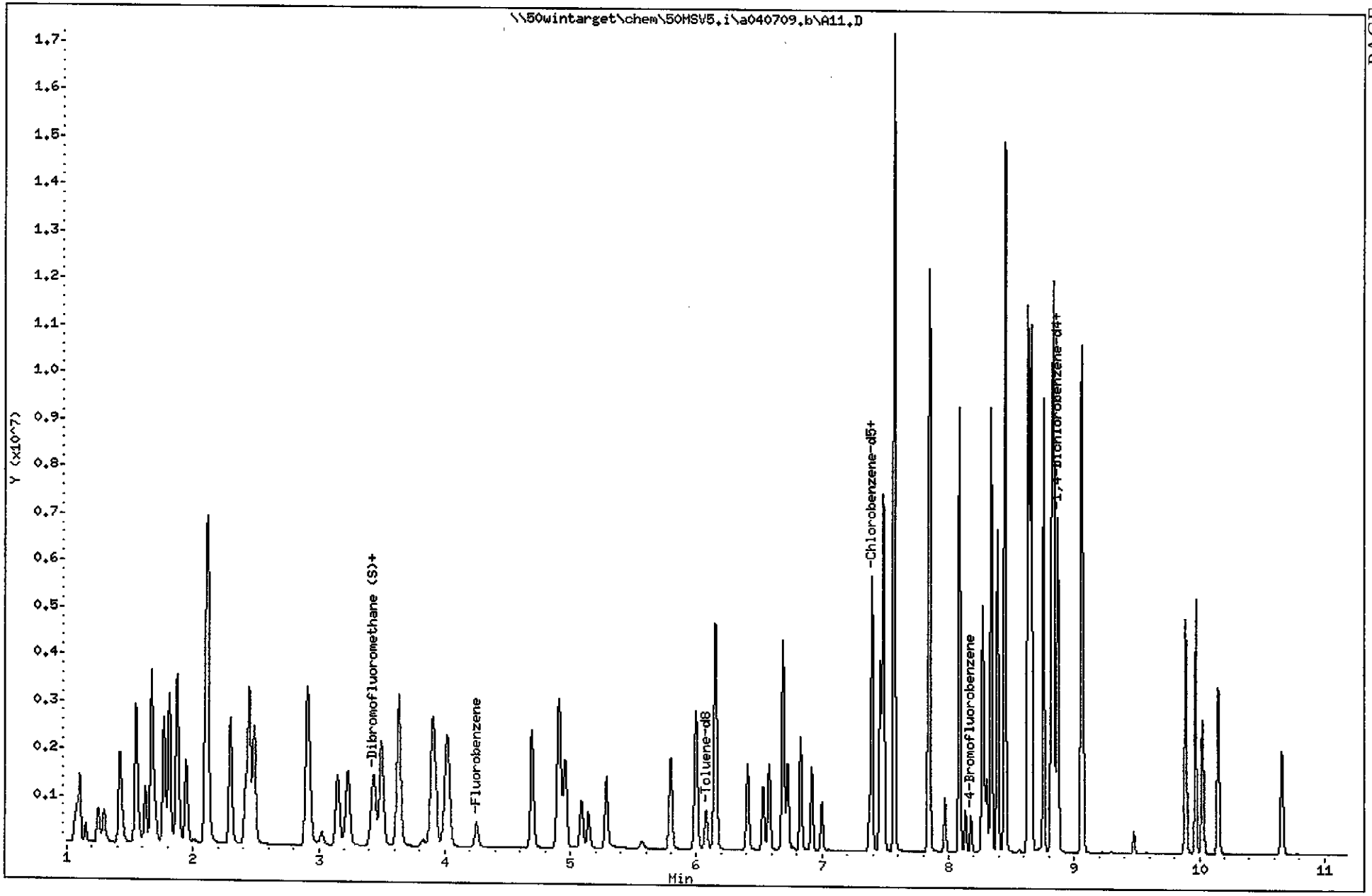
Client SDG: a040709.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	330	
	2,methyl-naphthalene	464	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	49.9	
460-00-4	4-Bromofluorobenzene	47.8	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A11.D
Date : 07-APR-2009 17:22
Client ID: 300ppb
Sample Info: 300ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A11.D

Date : 07-APR-2009 17:22

Client ID: 300ppb

Instrument: 50MSV5.i

Sample Info: 300ppb

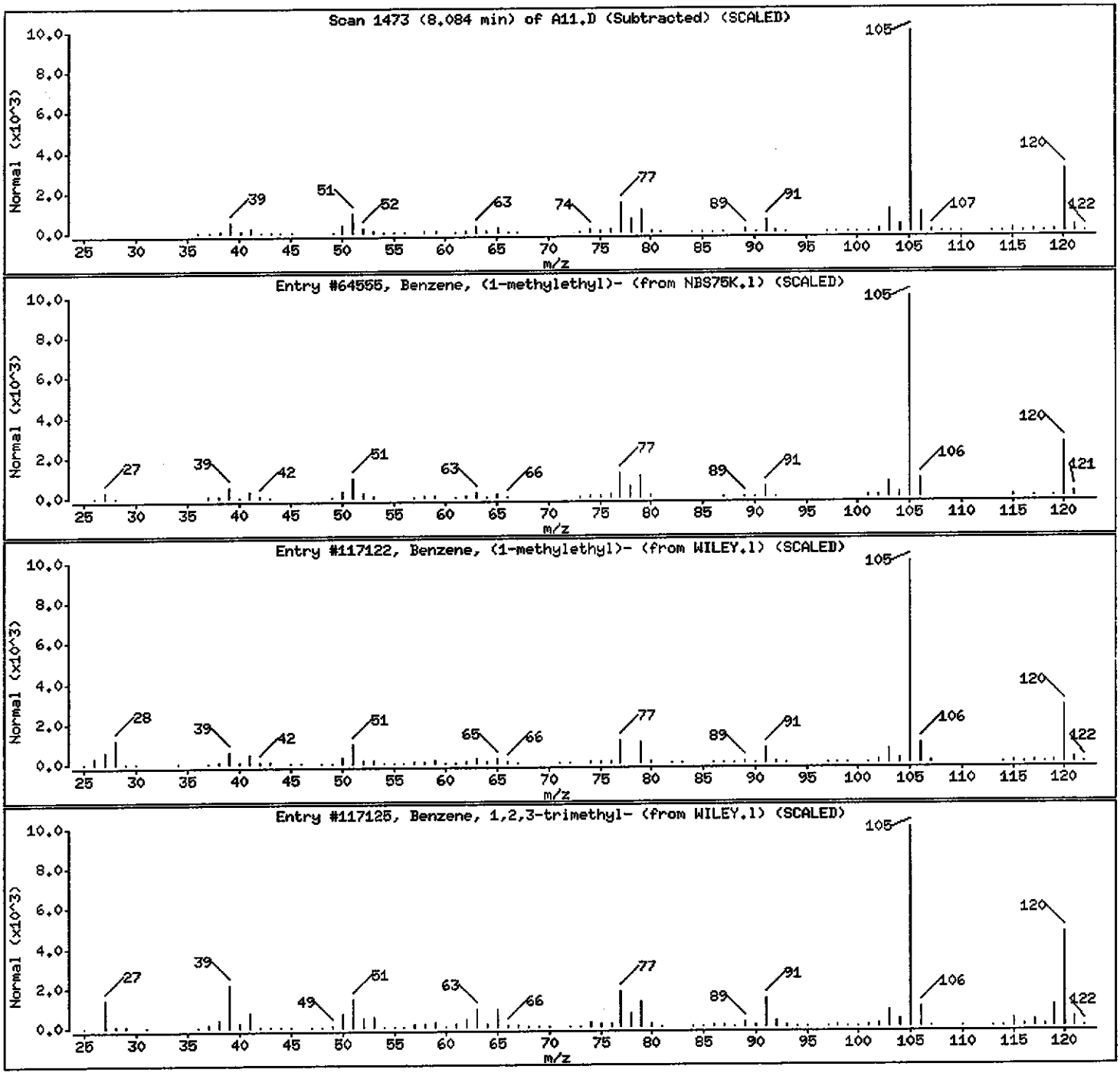
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117122	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a040709.b\A12ICV.D
Lab Smp Id: icv Client Smp ID: icv
Inj Date : 07-APR-2009 17:59
Operator : ala Inst ID: 50MSV5.i
Smp Info : icv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Meth Date : 08-Apr-2009 12:11 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 17:22 Cal File: A11.D
Als bottle: 25 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	0.976	0.975	(0.229)	175977	64.8850	64.9
2 Chloromethane	50	1.070	1.070	(0.252)	188289	62.9690	63.0
3 Vinyl Chloride	62	1.106	1.106	(0.260)	165141	56.6744	56.7
4 Bromomethane	94	1.263	1.263	(0.297)	117802	58.1192	58.1
139 Methyl Acetate	43	2.116	2.121	(0.497)	78299	54.9254	54.9
5 Chloroethane	64	1.305	1.300	(0.307)	92057	57.8783	57.9
6 Trichlorofluoromethane	101	1.425	1.420	(0.335)	291978	49.8124	49.8
7 Diethyl ether	74	1.551	1.551	(0.365)	50016	49.9810	50.0
8 Acrolein	56	1.624	1.624	(0.382)	272545	2108.61	2110(R)
9 1,1-Dichloroethene	96	1.682	1.682	(0.395)	125010	47.1293	47.1
10 1,1,2trichlorotrifluoroethane	101	1.671	1.671	(0.393)	149094	50.5917	50.6
11 Acetone	43	1.703	1.697	(0.400)	166504	397.568	398(R)
12 Iodomethane	142	1.771	1.770	(0.416)	470162	97.9013	97.9
13 Carbon Disulfide	76	1.812	1.812	(0.426)	639145	90.3831	90.4
142 Acetonitrile	41	1.875	1.875	(0.441)	372055		
14 allyl chloride	41	1.875	1.875	(0.441)	372055	89.9361	89.9
15 Methylene Chloride	84	1.948	1.948	(0.458)	122997	47.9802	48.0
16 Acrylonitrile	53	2.100	2.100	(0.494)	504900	990.711	991
17 tert-Butyl Alcohol	59	1.551	1.551	(0.365)	77407	99.6053	99.6
18 1,2-Dichloroethene (trans)	96	2.121	2.121	(0.499)	146140	50.4251	50.4
19 Methyl-tert-butyl ether	73	2.121	2.121	(0.499)	340267	110.749	111
20 n-Hexane	57	2.304	2.304	(0.542)	231595	57.6717	57.7
21 1,1-Dichloroethane	63	2.419	2.419	(0.569)	232156	46.9015	46.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.451	2.450	(0.576)	526323	156.842	157
	143 Chloroprene	53	2.487	2.487	(0.585)	171151		
	24 2,2-Dichloropropane	77	2.911	2.911	(0.684)	100752	57.9713	58.0
	144 Methacrylonitrile	41	3.209	3.204	(0.754)	40256		
	25 1,2-Dichloroethene (cis)	96	2.911	2.911	(0.684)	150843	50.5124	50.5
	26 2-Butanone	43	2.932	2.932	(0.689)	215689	325.833	326(R)
	27 Propionitrile	54	2.995	2.994	(0.704)	8842	48.0311	48.0
	28 1,2-dichlorotrifluoroethane	67	1.546	1.546	(0.363)	160705	46.6135	46.6
	29 Bromochloromethane	49	3.146	3.146	(0.739)	109918	50.6912	50.7
	30 Tetrahydrofuran	42	3.204	3.209	(0.753)	69515	59.3056	59.3
	31 Chloroform	83	3.230	3.230	(0.759)	230567	46.9908	47.0
$	32 Dibromofluoromethane (S)	113	3.413	3.413	(0.802)	143625	48.0558	48.0
	33 1,1,1-Trichloroethane	97	3.434	3.439	(0.807)	182167	51.6061	51.6
	35 Carbon Tetrachloride	117	3.633	3.632	(0.854)	153346	49.3667	49.4
	36 1,1-Dichloropropene	75	3.638	3.632	(0.855)	181365	53.7219	53.7
	37 Isobutyl alcohol	43	2.932	2.932	(0.689)	215689	65.1675	65.2(R)
	140 Cyclohexane	56	3.497	3.496	(0.822)	244535	55.7064	55.7
	38 Benzene	78	3.899	3.899	(0.916)	502762	51.0684	51.1
	39 1,2-Dichloroethane	62	3.925	3.925	(0.923)	143331	50.4914	50.5
	138 2,2,4-Trimethylpentane	57	4.020	4.014	(0.945)	532161	52.7432	52.7
	141 Methylcyclohexane	55	4.909	4.914	(1.154)	192915	50.1414	50.1
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	551283	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.103)	150019	51.3007	51.3
	42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	126283	50.3649	50.4
	43 Dibromomethane	93	5.087	5.086	(1.195)	62683	49.8194	49.8
	44 Methyl methacrylate	69	5.144	5.149	(1.209)	42996	50.8358	50.8
	147 1,4-Dioxane	88	5.139	5.139	(1.208)	12823		
	45 Bromodichloromethane	83	5.291	5.285	(1.243)	145993	50.8374	50.8
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	143261	49.3347	49.3
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	330548	253.557	254
$	49 Toluene-d8	98	6.080	6.080	(0.825)	525357	50.8337	50.8
	50 Toluene	91	6.148	6.153	(0.834)	563335	48.8599	48.8
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	99099	49.5297	49.5
	52 Ethyl Methacrylate	69	6.530	6.535	(0.886)	85798	52.6558	52.6
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	69004	53.0635	53.1
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	165944	44.9039	44.9
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	135151	53.1969	53.2
	56 2-Hexanone	43	6.828	6.828	(0.926)	257334	307.705	308
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	97775	47.3347	47.3
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	84483	50.7907	50.8
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	359272	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	374978	50.0348	50.0
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	105973	47.3443	47.3
	62 Ethylbenzene	106	7.482	7.482	(1.015)	201019	49.8864	49.9
	63 m&p-Xylene	106	7.571	7.571	(1.027)	512195	96.2751	96.3
	65 o-Xylene	106	7.838	7.843	(1.063)	241803	50.2111	50.2
	66 Styrene	104	7.853	7.853	(1.065)	364484	46.3393	46.3
	67 Bromoform	173	7.968	7.968	(0.900)	42419	46.1220	46.1
	68 Isopropylbenzene	105	8.444	8.444	(1.145)	454888	42.6037	42.6
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	13692	43.1116	43.1
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	152456	49.6980	49.7
	71 Bromobenzene	77	8.267	8.266	(1.121)	181119	49.4184	49.4
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	81388	50.4439	50.4
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	69280	50.3482	50.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.340	8.340	(0.942)	704777	51.1185	51.1
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	393341	49.9216	49.9
76 4-Chlorotoluene	126	8.450	8.449	(0.955)	156734	48.9230	48.9
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	454888	45.5939	45.6
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	545791	48.2864	48.3
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	432292	45.6262	45.6
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	679976	52.8814	52.9
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	294124	50.6963	50.7
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	189226	50.0000	
83 p-Isopropyltoluene	119	8.633	8.633	(0.975)	545791	48.2864	48.3
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	270914	44.6460	44.6
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	255931	50.2872	50.3
86 n-Butylbenzene	91	9.051	9.051	(1.022)	452463	43.1428	43.1
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	8898	49.5377	49.5
88 1,2,4-Trichlorobenzene	180	9.888	9.893	(1.117)	157347	48.6930	48.7
89 Hexachlorobutadiene	225	9.966	9.972	(1.126)	100098	44.7106	44.7
90 Naphthalene	128	10.024	10.029	(1.132)	259813	49.9601	50.0
91 1,2,3-Trichlorobenzene	180	10.149	10.155	(1.147)	138772	51.6740	51.7
92 2,methyl-naphthalene	142	10.657	10.662	(1.204)	159471	62.2094	62.2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A12ICV.D
Lab Smp Id: icv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 14:55
Client Smp ID: icv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	551283	47.52
59 Chlorobenzene-d5	255255	127628	510510	359272	40.75
82 1,4-Dichlorobenze	136223	68112	272446	189226	38.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: icv
Level: LOW
Data Type: MS DATA
SpikeList File: 8260ICV.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a040709.b\A8260.m
Misc Info:

Client SDG: a040709.b
Fraction: VOA
Client Smp ID: icv
Operator: ala
SampleType: ICV
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	64.9	129.77	70-130
2 Chloromethane	50.0	63.0	125.94	70-130
3 Vinyl Chloride	50.0	56.7	113.35	70-130
4 Bromomethane	50.0	58.1	116.24	70-130
5 Chloroethane	50.0	57.9	115.76	70-130
6 Trichlorofluoromet	50.0	49.8	99.62	70-130
28 1,2-dichlorotriflu	50.0	46.6	93.23	70-130
7 Diethyl ether	50.0	50.0	99.96	70-130
8 Acrolein	1000	2110	210.86*	70-130
9 1,1-Dichloroethene	50.0	47.1	94.26	70-130
10 1,1,2trichlorotrif	50.0	50.6	101.18	70-130
11 Acetone	250	398	159.03*	70-130
12 Iodomethane	100	97.9	97.90	70-130
13 Carbon Disulfide	100	90.4	90.38	70-130
139 Methyl Acetate	50.0	54.9	109.85	70-130
14 allyl chloride	100	89.9	89.94	70-130
15 Methylene Chloride	50.0	48.0	95.96	70-130
16 Acrylonitrile	1000	991	99.07	70-130
17 tert-Butyl Alcohol	100	99.6	99.61	70-130
18 1,2-Dichloroethene	50.0	50.4	100.85	70-130
19 Methyl-tert-butyl	100	111	110.75	70-130
20 n-Hexane	50.0	57.7	115.34	70-130
21 1,1-Dichloroethane	50.0	46.9	93.80	70-130
23 Vinyl Acetate	200	157	78.42	70-130
25 1,2-Dichloroethene	50.0	50.5	101.02	70-130
24 2,2-Dichloropropan	50.0	58.0	115.94	70-130
26 2-Butanone	250	326	130.33*	70-130
29 Bromochloromethane	50.0	50.7	101.38	70-130
31 Chloroform	50.0	47.0	93.98	70-130
33 1,1,1-Trichloroeth	50.0	51.6	103.21	70-130
140 Cyclohexane	50.0	55.7	111.41	70-130
37 Isobutyl alcohol	50.0	65.2	130.33*	70-130
36 1,1-Dichloropropen	50.0	53.7	107.44	70-130
35 Carbon Tetrachlori	50.0	49.4	98.73	70-130
38 Benzene	50.0	51.1	102.14	70-130
39 1,2-Dichloroethane	50.0	50.5	100.98	70-130
41 Trichloroethene	50.0	51.3	102.60	70-130
141 Methylcyclohexane	50.0	50.1	100.28	70-130
42 1,2-Dichloropropan	50.0	50.4	100.73	70-130
43 Dibromomethane	50.0	49.8	99.64	70-130

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
44 Methyl methacrylat	50.0	50.8	101.67	70-130
45 Bromodichlorometha	50.0	50.8	101.67	70-130
47 cis-1,3-Dichloropr	50.0	49.3	98.67	70-130
48 4-Methyl-2-Pentano	250	254	101.42	70-130
50 Toluene	50.0	48.8	97.72	70-130
51 trans-1,3-Dichloro	50.0	49.5	99.06	70-130
52 Ethyl Methacrylate	50.0	52.6	105.31	70-130
53 1,1,2-Trichloroeth	50.0	53.1	106.13	70-130
54 Tetrachloroethene	50.0	44.9	89.81	70-130
55 1,3-Dichloropropan	50.0	53.2	106.39	70-130
56 2-Hexanone	250	308	123.08	70-130
57 Dibromochlorometha	50.0	47.3	94.67	70-130
58 1,2-Dibromoethane	50.0	50.8	101.58	70-130
60 Chlorobenzene	50.0	50.0	100.07	70-130
61 1,1,1,2-Tetrachlor	50.0	47.3	94.69	70-130
62 Ethylbenzene	50.0	49.9	99.77	70-130
63 m&p-Xylene	100	96.3	96.28	70-130
65 o-Xylene	50.0	50.2	100.42	70-130
66 Styrene	50.0	46.3	92.68	70-130
67 Bromoform	50.0	46.1	92.24	70-130
68 Isopropylbenzene	50.0	42.6	85.21	70-130
69 trans-1,4-Dichloro	50.0	43.1	86.22	70-130
72 1,1,2,2-Tetrachlor	50.0	50.4	100.89	70-130
71 Bromobenzene	50.0	49.4	98.84	70-130
73 1,2,3-Trichloropro	50.0	50.3	100.70	70-130
74 n-Propylbenzene	50.0	51.1	102.24	70-130
75 2-Chlorotoluene	50.0	49.9	99.84	70-130
76 4-Chlorotoluene	50.0	48.9	97.85	70-130
77 1,3,5-Trimethylben	50.0	45.6	91.19	70-130
78 tert-Butylbenzene	50.0	48.3	96.57	70-130
79 1,2,4-Trimethylben	50.0	45.6	91.25	70-130
80 sec-Butylbenzene	50.0	52.9	105.76	70-130
81 1,3-Dichlorobenzen	50.0	50.7	101.39	70-130
83 p-Isopropyltoluene	50.0	48.3	96.57	70-130
84 1,4-Dichlorobenzen	50.0	44.6	89.29	70-130
86 n-Butylbenzene	50.0	43.1	86.29	70-130
85 1,2-Dichlorobenzen	50.0	50.3	100.57	70-130
88 1,2,4-Trichloroben	50.0	48.7	97.39	70-130
91 1,2,3-Trichloroben	50.0	51.7	103.35	70-130
87 1,2-Dibromo-3-chlo	50.0	49.5	99.08	70-130
89 Hexachlorobutadien	50.0	44.7	89.42	70-130
90 Naphthalene	50.0	50.0	99.92	70-130

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	48.0	96.11	80-123
$ 49 Toluene-d8	50.0	50.8	101.67	80-116
$ 70 4-Bromofluorobenze	50.0	49.7	99.40	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	64.9	
74-87-3	Chloromethane	63.0	
75-01-4	Vinyl Chloride	56.7	
74-83-9	Bromomethane	58.1	
79-20-9	Methyl Acetate	54.9	
75-00-3	Chloroethane	57.9	
75-69-4	Trichlorofluoromethane	49.8	
60-29-7	Diethyl ether	50.0	
107-02-8	Acrolein	2110	
75-35-4	1,1-Dichloroethene	47.1	
76-13-1	1,1,2trichlorotrifluoroethan	50.6	
67-64-1	Acetone	398	
	Iodomethane	97.9	
75-15-0	Carbon Disulfide	90.4	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	89.9	
75-09-2	Methylene Chloride	48.0	
107-13-1	Acrylonitrile	991	
75-65-0	tert-Butyl Alcohol	99.6	
156-60-5	1,2-Dichloroethene (trans)	50.4	
1634-04-4	Methyl-tert-butyl ether	111	
	n-Hexane	57.7	
75-34-3	1,1-Dichloroethane	46.9	
108-05-4	Vinyl Acetate	157	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	58.0	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	50.5	
78-93-3	2-Butanone	326	
107-12-0	Propionitrile	48.0	
354-23-4	1,2-dichlorotrifluoroethane	46.6	
74-97-5	Bromochloromethane	50.7	
	Tetrahydrofuran	59.3	
67-66-3	Chloroform	47.0	
71-55-6	1,1,1-Trichloroethane	51.6	
56-23-5	Carbon Tetrachloride	49.4	
563-58-6	1,1-Dichloropropene	53.7	
78-83-1	Isobutyl alcohol	65.2	
110-82-7	Cyclohexane	55.7	
71-43-2	Benzene	51.1	
107-06-2	1,2-Dichloroethane	50.5	
540-84-1	2,2,4-Trimethylpentane	52.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	50.1	
79-01-6	Trichloroethene	51.3	
78-87-5	1,2-Dichloropropane	50.4	
74-95-3	Dibromomethane	49.8	
80-62-6	Methyl methacrylate	50.8	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	50.8	
10061-01-5	cis-1,3-Dichloropropene	49.3	
108-10-1	4-Methyl-2-Pentanone	254	
108-88-3	Toluene	48.8	
10061-02-6	trans-1,3-Dichloropropene	49.5	
	Ethyl Methacrylate	52.6	
79-00-5	1,1,2-Trichloroethane	53.1	
127-18-4	Tetrachloroethene	44.9	
142-28-9	1,3-Dichloropropane	53.2	
591-78-6	2-Hexanone	308	
124-48-1	Dibromochloromethane	47.3	
106-93-4	1,2-Dibromoethane	50.8	
108-90-7	Chlorobenzene	50.0	
630-20-6	1,1,1,2-Tetrachloroethane	47.3	
100-41-4	Ethylbenzene	49.9	
7816-60-0	m&p-Xylene	96.3	
95-47-6	o-Xylene	50.2	
100-42-5	Styrene	46.3	
75-25-2	Bromoform	46.1	
98-82-8	Isopropylbenzene	42.6	
	trans-1,4-Dichloro-2-butene	43.1	
108-86-1	Bromobenzene	49.4	
79-34-5	1,1,2,2-Tetrachloroethane	50.4	
96-18-4	1,2,3-Trichloropropane	50.3	
103-65-1	n-Propylbenzene	51.1	
95-49-8	2-Chlorotoluene	49.9	
106-43-4	4-Chlorotoluene	48.9	
108-67-8	1,3,5-Trimethylbenzene	45.6	
98-06-6	tert-Butylbenzene	48.3	
95-63-6	1,2,4-Trimethylbenzene	45.6	
135-98-8	sec-Butylbenzene	52.9	
541-73-1	1,3-Dichlorobenzene	50.7	
99-87-6	p-Isopropyltoluene	48.3	
106-46-7	1,4-Dichlorobenzene	44.6	
95-50-1	1,2-Dichlorobenzene	50.3	
104-51-8	n-Butylbenzene	43.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

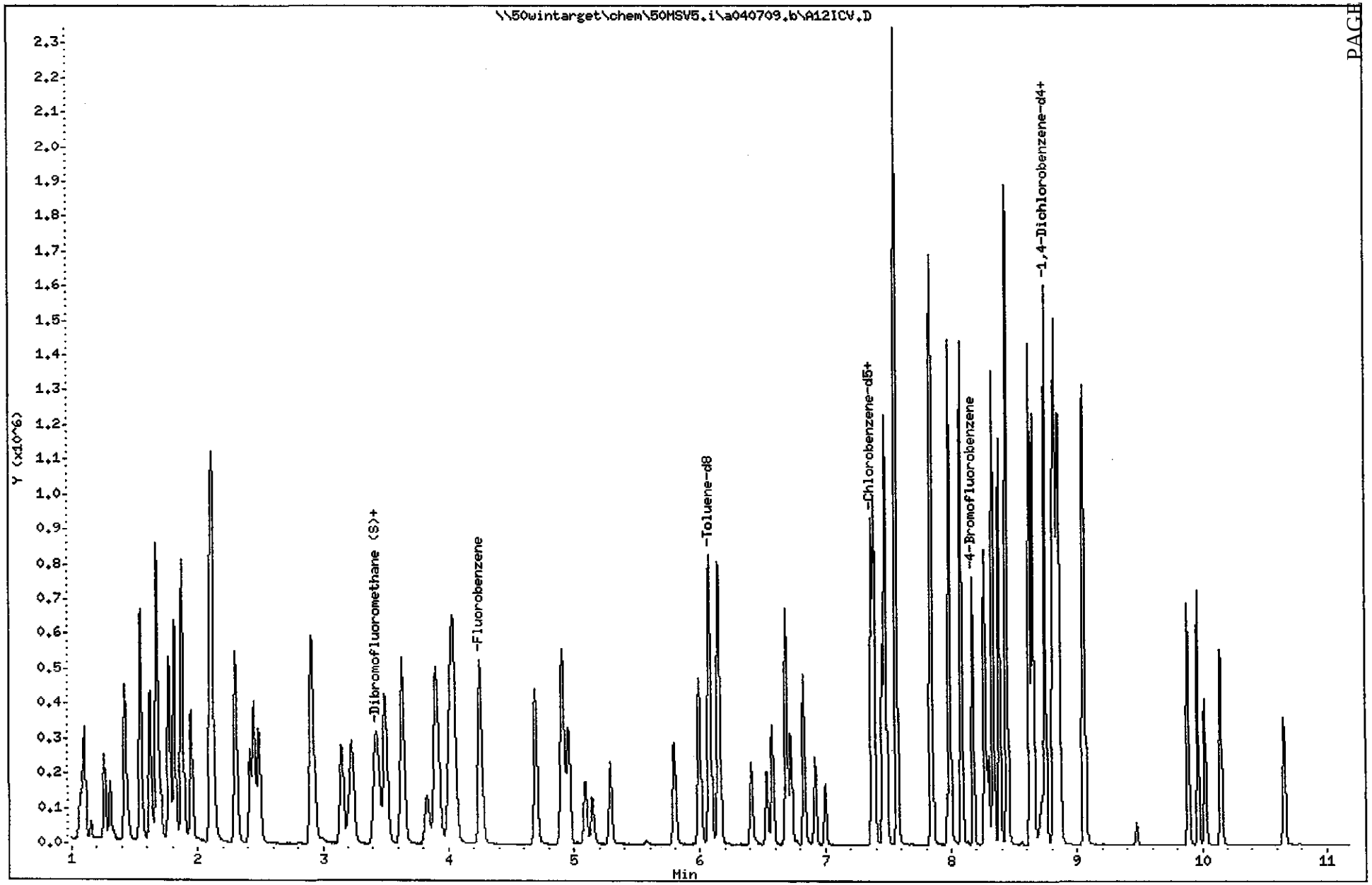
Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a040709.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	49.5	
120-82-1	1,2,4-Trichlorobenzene	48.7	
87-68-3	Hexachlorobutadiene	44.7	
91-20-3	Naphthalene	50.0	
87-61-6	1,2,3-Trichlorobenzene	51.7	
	2,methyl-naphthalene	62.2	
1868-53-7	Dibromofluoromethane (S)	48.0	
2037-26-5	Toluene-d8	50.8	
460-00-4	4-Bromofluorobenzene	49.7	

Data File: \\50wintarget\chem\50MSV5.i\a040709.b\A12ICV.D
Date : 07-APR-2009 17:59
Client ID: icv
Sample Info: icv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Report Date : 08-Apr-2009 12:23

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:24
End Cal Date : 07-APR-2009 17:41
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Last Edit : 08-Apr-2009 12:22 50MSV5.i

Calibration File Names:
Level 1: \\50wintarget\chem\50MSV5.i\b040709.b\B04.D
Level 2: \\50wintarget\chem\50MSV5.i\b040709.b\B05.D
Level 3: \\50wintarget\chem\50MSV5.i\b040709.b\B06.D
Level 4: \\50wintarget\chem\50MSV5.i\b040709.b\B07.D
Level 5: \\50wintarget\chem\50MSV5.i\b040709.b\B08.D
Level 6: \\50wintarget\chem\50MSV5.i\b040709.b\B09.D
Level 7: \\50wintarget\chem\50MSV5.i\b040709.b\B10.D
Level 8: \\50wintarget\chem\50MSV5.i\b040709.b\B11.D

All CCC2 below 30% RSD
AA
4-8-09

Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dichlorodifluoromethane	0.33925	0.30986	0.34500	0.30706	0.29049	0.32623					
	0.34327	0.31802					AVRG		0.32240		6.06296
2 Chloromethane	0.39469	0.32064	0.34291	0.28799	0.27365	0.30003					
	0.31083	0.28876					AVRG		0.31494		12.31551
3 Vinyl Chloride	3969	7848	19045	97982	210936	374981					
	551776	831781					QUAD	0.03695	3.15696	0.19730	0.99755

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:24
End Cal Date : 07-APR-2009 17:41
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Last Edit : 08-Apr-2009 12:22 50MSV5.i

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
4 Bromomethane	0.18842	0.19664	0.21542	0.19019	0.18927	0.21126					
	0.21951	0.19775					AVRG		0.20106		6.22915
139 Methyl Acetate	564	2623	5283	29281	57257	79063					
	102403	180635					LINR	-0.15450	0.05943		0.98945
5 Chloroethane	0.22158	0.16725	0.18314	0.15666	0.15105	0.16791					
	0.17233	0.15330					AVRG		0.17165		13.29259
6 Trichlorofluoromethane	0.62967	0.61133	0.69157	0.61326	0.57203	0.62630					
	0.63013	0.57629					AVRG		0.61882		6.00886
7 Diethyl ether	117	2336	5344	29871	65241	95125					
	126958	217401					LINR	-0.07502	0.07265		0.99566
8 Acrolein	0.00930	0.00763	0.00853	0.00789	0.00776	0.00874					
	0.00891	0.00811					AVRG		0.00836		7.20788
9 1,1-Dichloroethene	1086	8220	20184	105358	232738	323775					
	432517	737030					LINR	-0.11141	0.24589		0.99356

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INITIAL CALIBRATION DATA

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End Cal Date : 07-APR-2009 17:41
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Last Edit : 08-Apr-2009 12:22 50MSV5.i

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
10 1,1,2trichlorotrifluoroethane	1268	9971	24835	127585	273191	388610					
	510919	866903					LINR	-0.12533	0.28951		0.99339
11 Acetone	3336	7073	13467	57577	123183	160807					
	215390	362720					LINR	-1.11649	0.02389		0.98984
12 Iodomethane	2253	16365	51116	360965	846269	1218932					
	1600801	2681155					LINR	-0.13872	0.45519		0.99363
13 Carbon Disulfide	0.68006	0.84597	0.93452	0.85656	0.82701	0.71243					
	0.64821	0.66784					AVRG		0.77158		13.87574
142 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000
14 allyl chloride	0.33681	0.44762	0.50302	0.47732	0.46259	0.38413					
	0.35753	0.36213					AVRG		0.41639		15.21820
15 Methylene Chloride	4459	10836	20112	86118	183474	258685					
	341332	589689					LINR	-0.16626	0.19339		0.99426

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
16 Acrylonitrile	0.02825	0.03384	0.03604	0.03382	0.03271	0.02806					
	0.02581	0.02638					AVRG		0.03062		12.81209
17 tert-Butyl Alcohol	298	3917	8220	46807	103460	148660					
	198269	332970					LINR	-0.20363	0.05587		0.99490
18 1,2-Dichloroethene (trans)	0.24125	0.33949	0.37497	0.34248	0.32963	0.28505					
	0.26243	0.27244					AVRG		0.30597		15.34109
19 Methyl-tert-butyl ether	2332	16293	40469	254280	602995	904640					
	1239423	2183890					LINR	0.01429	0.36367		0.99748
20 n-Hexane	4139	14250	33964	169564	369447	512268					
	681502	1150789					LINR	-0.13942	0.38368		0.99301
21 1,1-Dichloroethane	0.46022	0.57840	0.65501	0.59306	0.57163	0.49250					
	0.45348	0.47097					AVRG		0.53441		13.99207
23 Vinyl Acetate	0.19277	0.22569	0.25532	0.28560	0.26980	0.24883					
	0.22491	0.23025					AVRG		0.24165		12.13253

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2	
143 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	NC
24 2,2-Dichloropropane	+++++	5871	8707	60633	170853	281330						
	424500	883210					QUAD	0.04165	5.06791	-0.96858	0.99914	
25 1,2-Dichloroethene (cis)	0.21479	0.33152	0.32024	0.31350	0.31082	0.27721						
	0.26249	0.29184					AVRG		0.29030		13.15118	
26 2-Butanone	0.04386	0.06175	0.05489	0.05382	0.05186	0.04450						
	0.04254	0.04441					AVRG		0.04970		13.89949	
27 Propionitrile	+++++	+++++	244	4369	10211	15362						
	20296	36213					LINR	0.02668	0.01215		0.99366	NC
144 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++					AVRG		0.000e+000		0.000e+000	NC
28 1,2-dichlorotrifluoroethane	1526	11156	26803	138198	297771	415961						
	546088	912723					LINR	-0.14697	0.30620		0.99174	AA 4.809

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
29 Bromochloromethane	571	5269	12692	68200	150856	215767					
	290668	512992					LINR	-0.05883	0.16970		0.99524
30 Tetrahydrofuran	15439	16691	18725	30124	45452	58076					
	72126	109783					LINR	-2.05093	0.02749		0.99545
31 Chloroform	0.37824	0.48606	0.50893	0.48215	0.47943	0.42232					
	0.39994	0.43931					AVRG		0.44955		10.36844
33 1,1,1-Trichloroethane	535	6792	18144	123574	319987	480507					
	670050	1258948					LINR	0.10018	0.41596		0.99371
35 Carbon Tetrachloride	211	4832	12920	107331	289839	440924					
	621913	1195618					LINR	0.14954	0.39510		0.99146
36 1,1-Dichloropropene	982	9422	24320	144636	324563	468969					
	640619	1153585					LINR	-0.01214	0.38088		0.99537
37 Isobutyl alcohol	430	5233	14294	83080	189236	271449					
	373101	661529					LINR	-0.02028	0.21921		0.99595

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
140 Cyclohexane	1344	11611	32043	189554	421541	614418					
	834613	1498541					LINR	-0.01579	0.49523		0.99560
38 Benzene	0.67240	0.93748	1.06583	1.06294	1.05989	0.93345					
	0.88514	0.96621					AVRG		0.94792		13.82248
39 1,2-Dichloroethane	0.16797	0.24919	0.25073	0.24709	0.24533	0.21787					
	0.20669	0.22874					AVRG		0.22670		12.67302
138 2,2,4-Trimethylpentane	3190	25829	72839	428028	979652	1428307					
	1951207	3502246					LINR	-0.00432	1.15866		0.99589
141 Methylcyclohexane	957	8511	26057	156991	359834	515025					
	706156	1282343					LINR	0.00316	0.42337		0.99482
41 Trichloroethene	0.31140	0.30972	0.33080	0.31851	0.33011	0.28986					
	0.27569	0.30244					AVRG		0.30857		6.16748
42 1,2-Dichloropropane	+++++	0.19962	0.22942	0.24385	0.24701	0.21857					
	0.21099	0.23192					AVRG		0.22591		7.63054

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
43 Dibromomethane	103 / 155149	2583 / 276489	6789	35456	79266	114538	LINR	-0.03641	0.09134		0.99557
44 Methyl methacrylate	++++++ / 106033	386 / 195220	1936	19091	49082	74890	LINR	0.14940	0.06552		0.99520
45 Bromodichloromethane	512 / 448356	5556 / 817773	14253	94364	221210	326735	LINR	0.03124	0.27039		0.99556
46 2-Chloroethyl vinyl ether	++++++ / 107898	103 / 209237	1526	17346	45720	72960	LINR	0.58439	0.05680		0.98760
145 1,4-Dioxane	++++++ / ++++++	++++++ / ++++++	++++++	++++++	++++++	++++++	AVRG		0.000e+000		0.000e+000
47 cis-1,3-Dichloropropene	++++++ / 458981	3002 / 856383	8312	82257	216088	328175	LINR	0.16803	0.46264		0.99376
48 4-Methyl-2-Pentanone	854 / 754000	8464 / 1349039	23024	162377	376363	553139	LINR	0.11803	0.14438		0.99656

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
50 Toluene	1.93798	1.98312	2.02943	1.95976	1.92728	1.70757					
	1.65141	1.81714					AVRG		1.87671		7.28309
51 trans-1,3-Dichloropropene	+++++	1664	4652	47913	143317	221493					
	320985	619968					LINR	0.27211	0.33670		0.98881
52 Ethyl Methacrylate	+++++	1026	3753	39950	105105	156249					
	218366	395405					LINR	0.13026	0.21444		0.99597
53 1,1,2-Trichloroethane	96.00000	2801	6467	40712	90464	129790					
	175759	311858					LINR	-0.02028	0.16644		0.99594
54 Tetrachloroethene	1513	10029	25632	136759	360826	456687					
	671101	1286021					LINR	0.08079	0.67772		0.98641
55 1,3-Dichloropropane	561	5485	13397	81268	180613	255463					
	346566	620918					LINR	-0.02079	0.33034		0.99509
56 2-Hexanone	369	4380	12643	98672	235877	342452					
	474382	844502					LINR	0.19429	0.09065		0.99672

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
57 Dibromochloromethane	+++++	2453	6871	56552	141206	208957					
	286953	536774					LINR	0.11924	0.28798		0.99322
58 1,2-Dibromoethane	100	1686	5166	46734	108345	155695					
	215418	384138					LINR	0.03544	0.20620		0.99620
60 Chlorobenzene	0.89494	1.17029	1.23066	1.22322	1.20607	1.07495					
	1.04229	1.14387					AVRG		1.12329		10.20828
61 1,1,1,2-Tetrachloroethane	253	2384	7097	67860	176109	259781					
	372279	710378					LINR	0.15220	0.37836		0.99108
62 Ethylbenzene	1437	10660	26900	161600	367798	528355					
	731747	1345878					LINR	0.03080	0.71289		0.99423
63 m&p-Xylene	3688	28032	69970	407431	961222	1401461					
	1971437	3745426					LINR	0.17037	0.98827		0.99143
65 o-Xylene	1271	11579	30330	184229	417423	618390					
	858006	1649405					LINR	0.08787	0.86894		0.99059

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
66 Styrene	2045	16535	43262	273571	628204	926361					
	1285967	2470438					LINR	0.09070	1.30271		0.99071
67 Bromoform	+++++	655	2620	22271	59277	90069					
	125004	243725					LINR	0.11899	0.23756		0.99605
68 Isopropylbenzene	3740	31467	83574	505340	1147948	1658806					
	2296155	4223552					LINR	0.03477	2.23839		0.99436
69 trans-1,4-Dichloro-2-butene	+++++	427	958	8177	21648	31125					
	44026	85196					LINR	0.18071	0.04566		0.98865
71 Bromobenzene	0.37589	0.53450	0.57280	0.56816	0.55386	0.49583					
	0.47421	0.53492					AVRG		0.51377		12.70475
72 1,1,2,2-Tetrachloroethane	0.26252	0.37804	0.42201	0.41304	0.41328	0.37642					
	0.34909	0.36211					AVRG		0.37206		13.83718
73 1,2,3-Trichloropropane	135	2425	6069	39011	91781	130888					
	182440	329624					LINR	-0.04119	0.32127		0.99726

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
74 n-Propylbenzene	4650	39868	99021	581874	1315112	1891683					
	2573441	4774081					LINR	-0.05356	4.61022		0.99654
75 2-Chlorotoluene	1.82545	2.66830	2.93650	2.76094	2.73310	2.39295					
	2.27894	2.37015					AVRG		2.49579		14.15261
76 4-Chlorotoluene	939	8520	20993	119186	275364	403945					
	567968	1138488					LINR	0.05016	1.08194		0.99346
77 1,3,5-Trimethylbenzene	2644	25153	66203	399106	926310	1350784					
	1926478	3827394					LINR	0.05667	3.64675		0.99400
78 tert-Butylbenzene	2695	28279	74981	471146	1096658	1627778					
	2276508	4464458					LINR	0.04350	4.27130		0.99555
79 1,2,4-Trimethylbenzene	2521	24795	64401	367751	851073	1241189					
	1739577	3414345					LINR	0.02853	3.25763		0.99509
80 sec-Butylbenzene	3435	36363	96546	565819	1298620	1871076					
	2592310	4862961					LINR	-0.02399	4.68470		0.99694

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
81 1,3-Dichlorobenzene	1.27852	1.76171	1.90812	1.85436	1.87533	1.67369					
	1.65423	1.83165					AVRG		1.72970		11.81591
83 p-Isopropyltoluene	2999	29935	81963	506937	1174520	1708662					
	2443684	4762655					LINR	0.04295	4.55493		0.99543
84 1,4-Dichlorobenzene	1.49407	1.80381	1.87910	1.81828	1.81939	1.63007					
	1.57548	1.67104					AVRG		1.71141		8.07521
85 1,2-Dichlorobenzene	1.06168	1.44997	1.59110	1.51099	1.51032	1.34687					
	1.31541	1.43950					AVRG		1.40323		11.72288
86 n-Butylbenzene	2035	23360	65754	418728	965960	1378542					
	1949076	3734219					LINR	0.01237	3.58407		0.99608
87 1,2-Dibromo-3-chloropropane	+++++	+++++	209	4028	11106	16479					
	23972	43475					LINR	0.12132	0.04335		0.99814
88 1,2,4-Trichlorobenzene	124	4169	11790	98447	232546	344179					
	482267	874081					LINR	0.00261	0.85557		0.99840

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Compound	1.0000 Level 1 / 200.0000 Level 7	5.0000 Level 2 / 300.0000 Level 8	10.0000 Level 3	50.0000 Level 4	100.0000 Level 5	150.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
89 Hexachlorobutadiene	578	5366	14357	89113	208708	305052					
	432794	856912					LINR	0.05538	0.81782		0.99445
90 Naphthalene	+++++	3100	11833	128264	326542	484371					
	674181	1213911					LINR	0.02819	1.19948		0.99780
91 1,2,3-Trichlorobenzene	+++++	3003	10089	78382	184554	267542					
	375933	677767					LINR	-0.02130	0.66205		0.99756
92 2,methyl-naphthalene	+++++	+++++	+++++	34909	129481	220486					
	339588	667248					LINR	0.61966	0.71711		0.99735
$ 32 Dibromofluoromethane (S)	0.26175	0.25796	0.25436	0.24302	0.23863	0.24239					
	0.23975	0.24354					AVRG		0.24767		3.61084
$ 49 Toluene-d8	1.53231	1.54056	1.54625	1.55348	1.51869	1.51957					
	1.51870	1.50753					AVRG		1.52964		1.04849
$ 70 4-Bromofluorobenzene	0.38875	0.41929	0.41444	0.42568	0.40984	0.41394					
	0.41223	0.40363					AVRG		0.41097		2.69231

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4.809

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 07-APR-2009 13:24
End Cal Date : 07-APR-2009 17:41
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Last Edit : 08-Apr-2009 12:22 50MSV5.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B00BFB.D

Date : 07-APR-2009 10:47

Client ID: bfb050

Instrument: 50MSV5.i

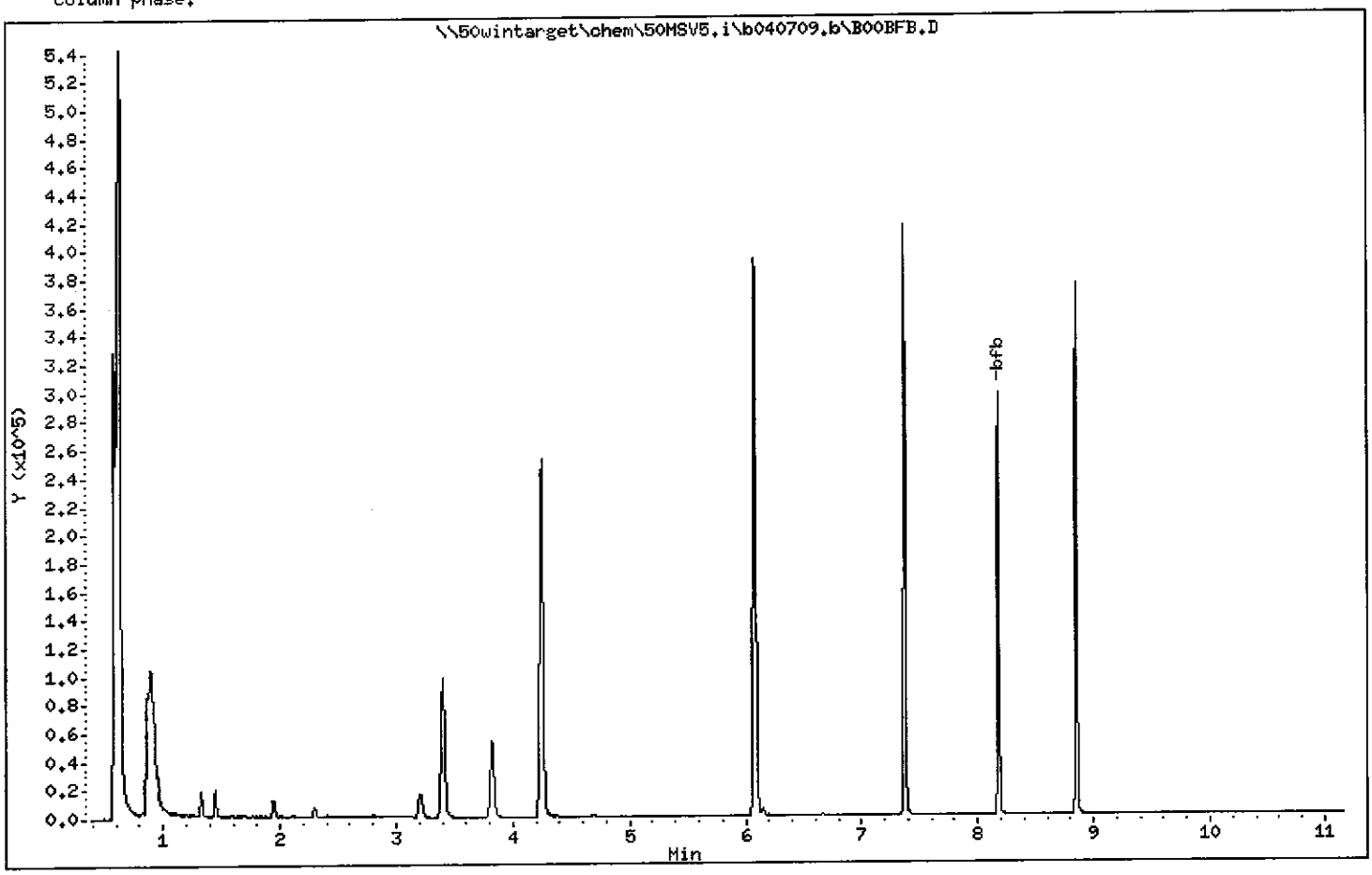
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B00BFB.D

Date : 07-APR-2009 10:47

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

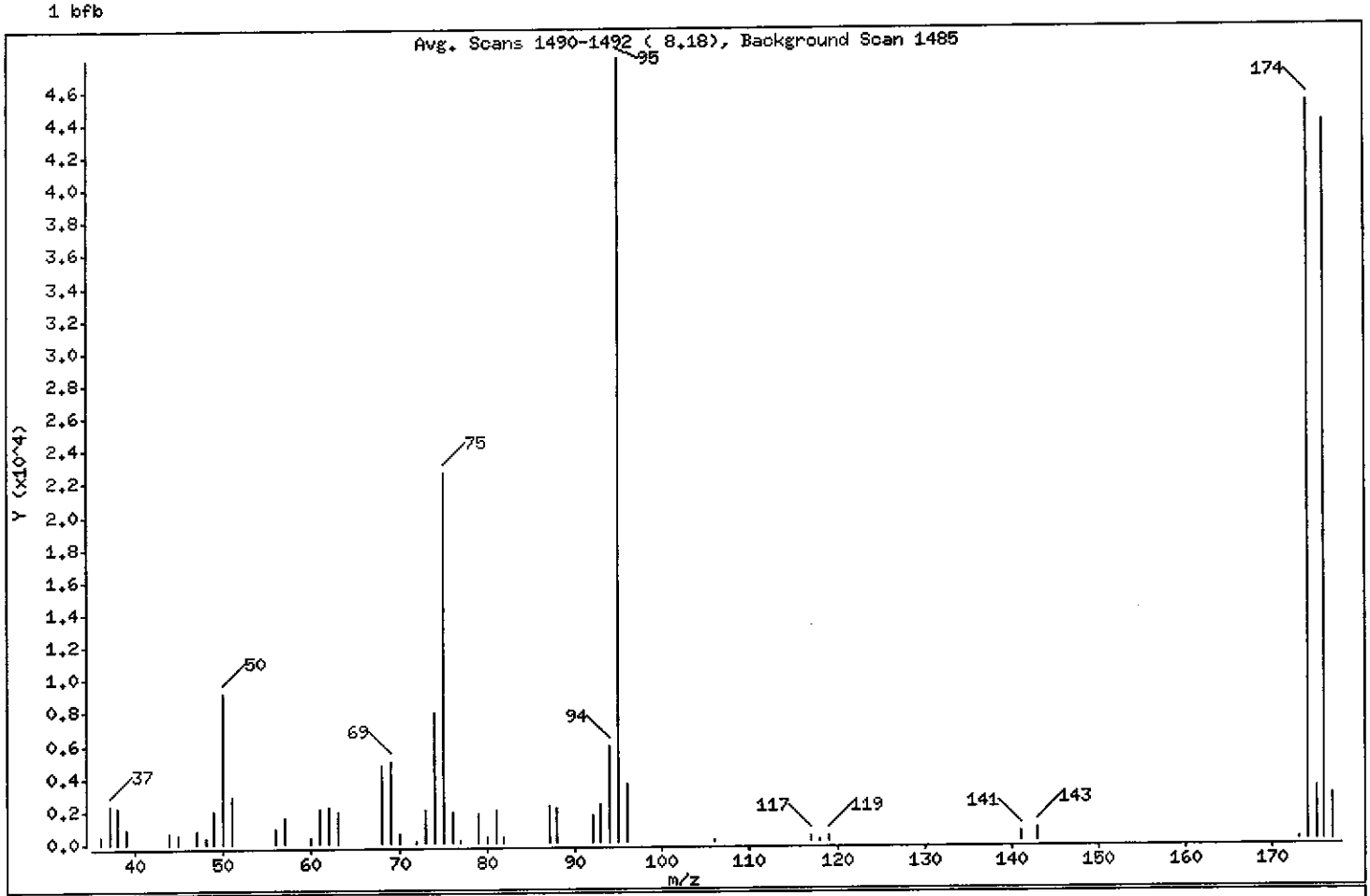
Volume Injected (uL): 1.0

Operator: ala

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	19.06
75	30.00 - 60.00% of mass 95	47.10
96	5.00 - 9.00% of mass 95	7.30
173	Less than 2.00% of mass 174	0.21 (0.22)
174	50.00 - 100.00% of mass 95	94.03
175	5.00 - 9.00% of mass 174	6.68 (7.11)
176	95.00 - 101.00% of mass 174	91.41 (97.21)
177	5.00 - 9.00% of mass 176	5.82 (6.37)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B00BFB.D

Date : 07-APR-2009 10:47

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: B00BFB.D

Spectrum: Avg. Scans 1490-1492 (8.18), Background Scan 1485

Location of Maximum: 95.00

Number of points: 48

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	430	60.00	302	79.00	1778	118.00	113
37.00	2275	61.00	2078	80.00	376	119.00	311
38.00	2171	62.00	2231	81.00	1933	141.00	582
39.00	921	63.00	1921	82.00	280	143.00	730
44.00	631	68.00	4778	87.00	2234	173.00	101
45.00	524	69.00	4912	88.00	2053	174.00	45080
47.00	752	70.00	498	92.00	1644	175.00	3205
48.00	312	72.00	109	93.00	2280	176.00	43824
49.00	1959	73.00	1955	94.00	5805	177.00	2790
50.00	9136	74.00	7985	95.00	47944		
51.00	2854	75.00	22584	96.00	3502		
56.00	849	76.00	1893	106.00	106		
57.00	1558	77.00	133	117.00	288		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B04.D
Lab Smp Id: 1ppb
Client Smp ID: 1ppb
Inj Date : 07-APR-2009 13:24
Operator : ala
Inst ID: 50MSV5.i
Smp Info : 1ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison
Quant Type: ISTD
Cal Date : 31-MAR-2009 15:04
Cal File: B07.D
Als bottle: 10
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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	3898	2.00000	2.21 (M)
2 Chloromethane	50	1.059	1.065	(0.249)	4535	2.00000	2.74
3 Vinyl Chloride	62	1.101	1.101	(0.259)	3969	2.00000	2.43
4 Bromomethane	94	1.258	1.258	(0.296)	2165	2.00000	1.98
139 Methyl Acetate	43	1.886	1.875	(0.444)	564	1.00000	1.16 (M)
5 Chloroethane	64	1.300	1.300	(0.306)	2546	2.00000	2.83 (M)
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	7235	2.00000	2.05
7 Diethyl ether	74	1.546	1.551	(0.364)	117	2.00000	0.235 (QM)
8 Acrolein	56	1.614	1.614	(0.380)	2137	40.0000	47.2 (M)
9 1,1-Dichloroethene	96	1.677	1.677	(0.395)	1086	1.00000	0.618 (M)
10 1,1,2trichlorotrifluoroethane	101	1.677	1.666	(0.395)	1268	1.00000	0.596
11 Acetone	43	1.692	1.692	(0.398)	3336	5.00000	17.4 (M)
12 Iodomethane	142	1.776	1.771	(0.418)	2253	2.00000	0.749 (M)
13 Carbon Disulfide	76	1.807	1.807	(0.425)	7814	2.00000	1.59 (M)
14 allyl chloride	41	1.870	1.870	(0.440)	3870	2.00000	1.41 (MH)
15 Methylene Chloride	84	1.943	1.943	(0.457)	4459	1.00000	3.10 (M)
16 Acrylonitrile	53	2.095	2.095	(0.493)	3246	20.0000	16.7
17 tert-Butyl Alcohol	59	1.551	1.546	(0.365)	298	2.00000	0.764 (M)
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.498)	1386	1.00000	0.704 (M)
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.498)	2332	2.00000	1.10 (M)
20 n-Hexane	57	2.299	2.299	(0.541)	4139	1.00000	1.46 (M)
21 1,1-Dichloroethane	63	2.419	2.414	(0.569)	2644	1.00000	0.776 (M)
23 Vinyl Acetate	43	2.445	2.451	(0.575)	4430	4.00000	2.70 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.684)	1234	1.00000	0.685 (M)
	26 2-Butanone	43	2.927	2.932	(0.689)	1260	5.00000	4.07 (M)
	28 1,2-dichlorotrifluoroethane	67	1.546	1.541	(0.364)	1526	1.00000	0.662 (M)
	29 Bromochloromethane	49	3.146	3.141	(0.740)	571	1.00000	0.502 (QM)
	30 Tetrahydrofuran	42	3.209	3.204	(0.755)	15439	1.00000	30.7 (M)
	31 Chloroform	83	3.225	3.230	(0.759)	2173	1.00000	0.784 (M)
$	32 Dibromofluoromethane (S)	113	3.408	3.408	(0.802)	75189	50.0000	53.8
	33 1,1,1-Trichloroethane	97	3.429	3.434	(0.807)	535	1.00000	0.260 (QM)
	35 Carbon Tetrachloride	117	3.617	3.627	(0.851)	211	1.00000	0.118 (QM)
	36 1,1-Dichloropropene	75	3.638	3.633	(0.856)	982	1.00000	0.407 (QM)
	37 Isobutyl alcohol	43	4.004	4.009	(0.942)	430	1.00000	0.310 (M)
	140 Cyclohexane	56	3.481	3.491	(0.819)	1344	1.00000	0.425
	38 Benzene	78	3.899	3.899	(0.918)	3863	1.00000	0.632 (M)
	39 1,2-Dichloroethane	62	3.915	3.926	(0.921)	965	1.00000	0.680 (QM)
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.945)	3190	1.00000	0.447 (M)
	141 Methylcyclohexane	55	4.909	4.909	(1.155)	957	1.00000	0.366 (M)
*	40 Fluorobenzene	96	4.250	4.255	(1.000)	287253	50.0000	
	41 Trichloroethene	95	4.689	4.694	(1.103)	1789	1.00000	0.978
	42 1,2-Dichloropropane	63	4.951	4.956	(1.165)	229	1.00000	0.163 (M)
	43 Dibromomethane	93	5.092	5.087	(1.198)	103	1.00000	0.174 (QM)
	45 Bromodichloromethane	83	5.280	5.285	(1.242)	512	1.00000	0.325 (M)
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	854	5.00000	1.55 (M)
$	49 Toluene-d8	98	6.075	6.080	(0.824)	278831	50.0000	49.3
	50 Toluene	91	6.154	6.148	(0.835)	7053	1.00000	0.989
	53 1,1,2-Trichloroethane	83	6.582	6.577	(0.893)	96	1.00000	0.139 (QM)
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	1513	1.00000	0.653 (M)
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	561	1.00000	0.407 (QM)
	56 2-Hexanone	43	6.839	6.834	(0.928)	369	5.00000	1.10 (QM)
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	100	1.00000	0.126 (QM)
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	181968	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	3257	1.00000	0.732 (QM)
	61 1,1,1,2-Tetrachloroethane	131	7.456	7.461	(1.011)	253	1.00000	0.220 (M)
	62 Ethylbenzene	106	7.487	7.482	(1.016)	1437	1.00000	0.525
	63 m&p-Xylene	106	7.571	7.571	(1.027)	3688	2.00000	1.07
	65 o-Xylene	106	7.843	7.838	(1.064)	1271	1.00000	0.407 (QM)
	66 Styrene	104	7.853	7.853	(1.065)	2045	1.00000	0.441 (M)
	68 Isopropylbenzene	105	8.084	8.084	(1.096)	3740	1.00000	0.437
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	70740	50.0000	45.7
	71 Bromobenzene	77	8.267	8.267	(1.121)	1368	1.00000	0.662
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	408	1.00000	0.636 (QM)
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	135	1.00000	0.246 (QM)
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	4650	1.00000	0.569
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	2837	1.00000	0.661 (M)
	76 4-Chlorotoluene	126	8.455	8.450	(0.955)	939	1.00000	0.561 (QM)
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	2644	1.00000	0.472
	78 tert-Butylbenzene	119	8.628	8.633	(0.975)	2695	1.00000	0.408 (M)
	79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	2521	1.00000	0.488
	80 sec-Butylbenzene	105	8.753	8.753	(0.989)	3435	1.00000	0.432 (M)
	81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	1987	1.00000	0.689 (M)
*	82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	77707	50.0000	
	83 p-Isopropyltoluene	119	8.831	8.831	(0.998)	2999	1.00000	0.422 (M)
	84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	2322	1.00000	0.822 (Q)
	85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	1650	1.00000	0.703 (M)
	86 n-Butylbenzene	91	9.051	9.056	(1.022)	2035	1.00000	0.346 (M)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
88 1,2,4-Trichlorobenzene	180	9.893	9.888	(1.118)	124	1.00000	0.0897(QM)
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	578	1.00000	0.462(QM)

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B04.D
Lab Smp Id: 1ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 1ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	287253	-16.62
59 Chlorobenzene-d5	214804	107402	429608	181968	-15.29
82 1,4-Dichlorobenze	110737	55369	221474	77707	-29.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.25	-0.12
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	2.21	
74-87-3	Chloromethane	2.74	
75-01-4	Vinyl Chloride	2.43	
74-83-9	Bromomethane	1.98	
79-20-9	Methyl Acetate	1.16	
75-00-3	Chloroethane	2.83	
75-69-4	Trichlorofluoromethane	2.05	
60-29-7	Diethyl ether	0.235	
107-02-8	Acrolein	47.2	
75-35-4	1,1-Dichloroethene	0.618	
76-13-1	1,1,2trichlorotrifluoroethan	0.596	
67-64-1	Acetone	17.4	
	Iodomethane	0.749	
75-15-0	Carbon Disulfide	1.59	
107-05-1	allyl chloride	1.41	
75-09-2	Methylene Chloride	3.10	
107-13-1	Acrylonitrile	16.7	
75-65-0	tert-Butyl Alcohol	0.764	
156-60-5	1,2-Dichloroethene (trans)	0.704	
1634-04-4	Methyl-tert-butyl ether	1.10	
	n-Hexane	1.46	
75-34-3	1,1-Dichloroethane	0.776	
108-05-4	Vinyl Acetate	2.70	
156-59-2	1,2-Dichloroethene (cis)	0.685	
78-93-3	2-Butanone	4.07	
354-23-4	1,2-dichlorotrifluoroethane	0.662	
74-97-5	Bromochloromethane	0.502	
	Tetrahydrofuran	30.7	
67-66-3	Chloroform	0.784	
71-55-6	1,1,1-Trichloroethane	0.260	
56-23-5	Carbon Tetrachloride	0.118	
563-58-6	1,1-Dichloropropene	0.407	
78-83-1	Isobutyl alcohol	0.310	
110-82-7	Cyclohexane	0.425	
71-43-2	Benzene	0.632	
107-06-2	1,2-Dichloroethane	0.680	
540-84-1	2,2,4-Trimethylpentane	0.447	
108-82-7	Methylcyclohexane	0.366	
79-01-6	Trichloroethene	0.978	
78-87-5	1,2-Dichloropropane	0.163	
74-95-3	Dibromomethane	0.174	
75-27-4	Bromodichloromethane	0.325	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

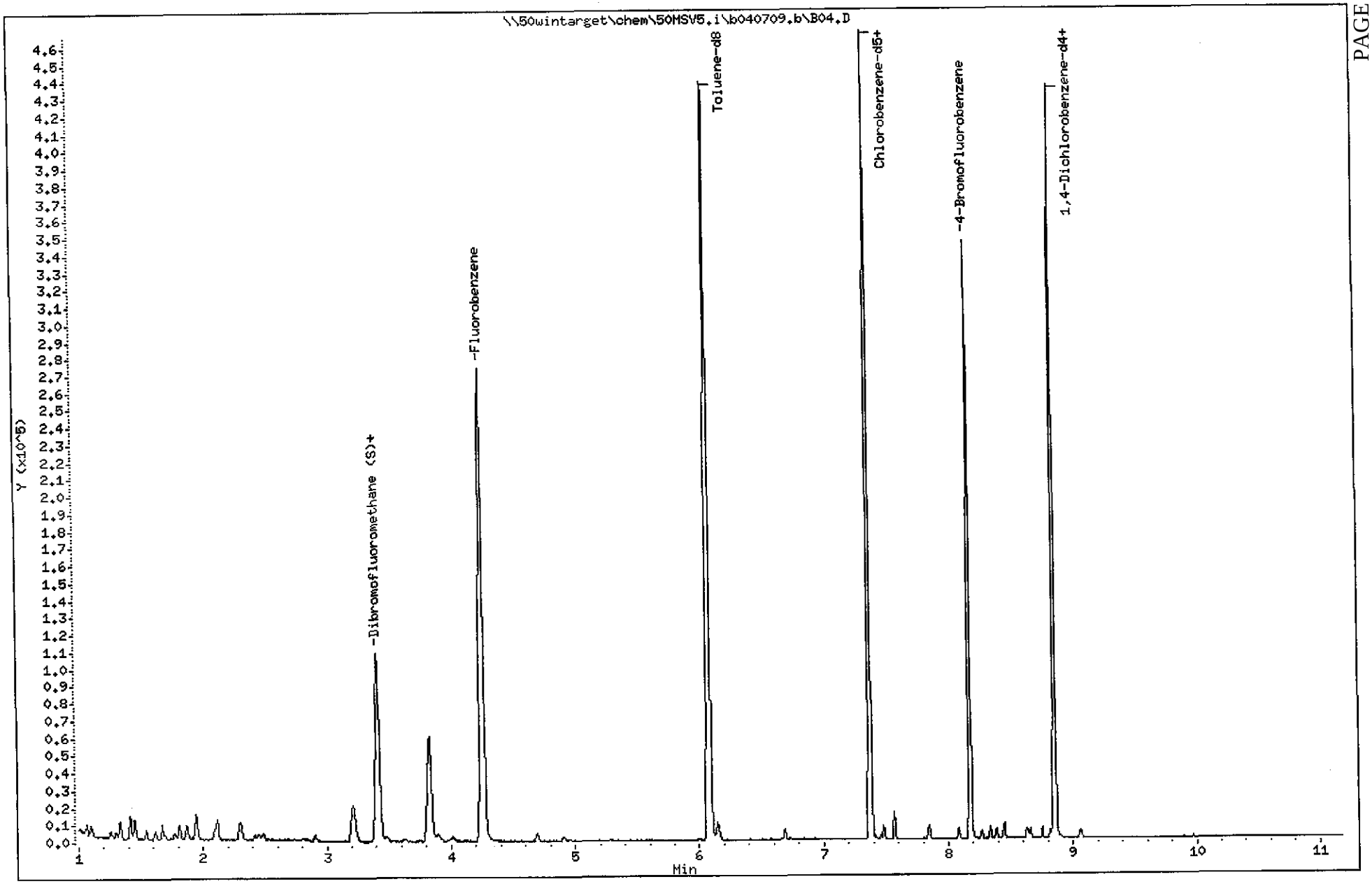
Client SDG: b040709.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-10-1	4-Methyl-2-Pentanone	1.55	
108-88-3	Toluene	0.989	
79-00-5	1,1,2-Trichloroethane	0.139	
127-18-4	Tetrachloroethene	0.653	
142-28-9	1,3-Dichloropropane	0.407	
591-78-6	2-Hexanone	1.10	
106-93-4	1,2-Dibromoethane	0.126	
108-90-7	Chlorobenzene	0.732	
630-20-6	1,1,1,2-Tetrachloroethane	0.220	
100-41-4	Ethylbenzene	0.525	
7816-60-0	m&p-Xylene	1.07	
95-47-6	o-Xylene	0.407	
100-42-5	Styrene	0.441	
98-82-8	Isopropylbenzene	0.437	
108-86-1	Bromobenzene	0.662	
79-34-5	1,1,2,2-Tetrachloroethane	0.636	
96-18-4	1,2,3-Trichloropropane	0.246	
103-65-1	n-Propylbenzene	0.569	
95-49-8	2-Chlorotoluene	0.661	
106-43-4	4-Chlorotoluene	0.561	
108-67-8	1,3,5-Trimethylbenzene	0.472	
98-06-6	tert-Butylbenzene	0.408	
95-63-6	1,2,4-Trimethylbenzene	0.488	
135-98-8	sec-Butylbenzene	0.432	
541-73-1	1,3-Dichlorobenzene	0.689	
99-87-6	p-Isopropyltoluene	0.422	
106-46-7	1,4-Dichlorobenzene	0.822	
95-50-1	1,2-Dichlorobenzene	0.703	
104-51-8	n-Butylbenzene	0.346	
120-82-1	1,2,4-Trichlorobenzene	0.0897	
87-68-3	Hexachlorobutadiene	0.462	
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	49.3	
460-00-4	4-Bromofluorobenzene	45.7	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B04.D
Date : 07-APR-2009 13:24
Client ID: 1ppb
Sample Info: 1ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B04.D

Date : 07-APR-2009 13:24

Client ID: 1ppb

Instrument: 50MSV5.i

Sample Info: 1ppb

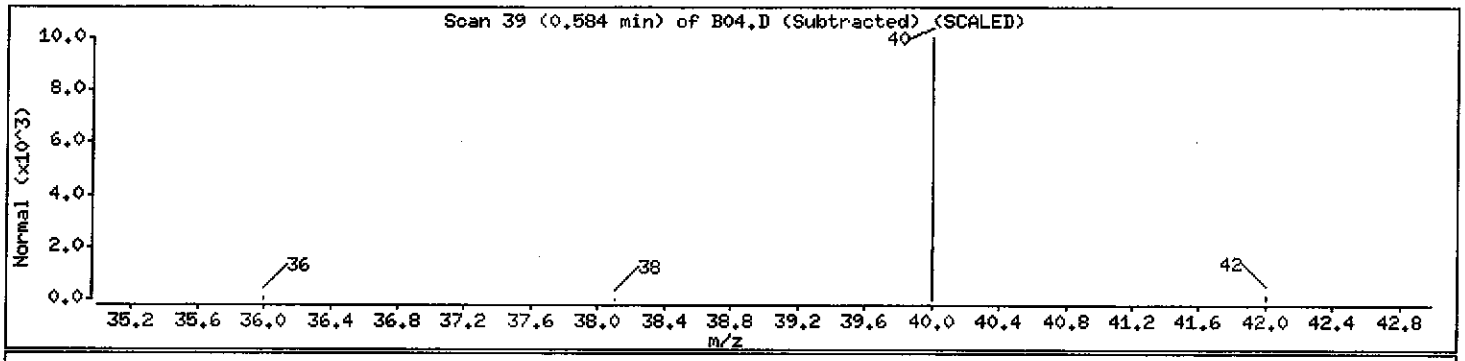
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B05.D
Lab Smp Id: 5ppb
Client Smp ID: 5ppb
Inj Date : 07-APR-2009 14:00
Operator : ala
Inst ID: 50MSV5.i
Smp Info : 5ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison
Quant Type: ISTD
Cal Date : 31-MAR-2009 15:04
Cal File: B07.D
Als bottle: 12
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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	8826	5.00000	4.79 (M)
2 Chloromethane	50	1.059	1.065	(0.249)	9133	5.00000	4.70
3 Vinyl Chloride	62	1.101	1.101	(0.259)	7848	5.00000	4.37
4 Bromomethane	94	1.258	1.258	(0.296)	5601	5.00000	5.19
139 Methyl Acetate	43	1.875	1.875	(0.441)	2623	5.00000	5.03 (M)
5 Chloroethane	64	1.300	1.300	(0.306)	4764	5.00000	4.42
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	17413	5.00000	4.92
7 Diethyl ether	74	1.551	1.551	(0.365)	2336	5.00000	8.46 (Q)
8 Acrolein	56	1.614	1.614	(0.380)	4344	100.000	88.7
9 1,1-Dichloroethene	96	1.676	1.677	(0.395)	8220	5.00000	5.83
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	9971	5.00000	5.92
11 Acetone	43	1.697	1.692	(0.399)	7073	25.0000	16.6
12 Iodomethane	142	1.771	1.771	(0.417)	16365	10.0000	7.98
13 Carbon Disulfide	76	1.807	1.807	(0.425)	48193	10.0000	11.0
14 allyl chloride	41	1.870	1.870	(0.440)	25500	10.0000	11.0
15 Methylene Chloride	84	1.943	1.943	(0.457)	10836	5.00000	3.71
16 Acrylonitrile	53	2.095	2.095	(0.493)	19279	100.000	109
17 tert-Butyl Alcohol	59	1.551	1.546	(0.365)	3917	10.0000	14.6 (M)
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.498)	9670	5.00000	5.82
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.498)	16293	10.0000	10.0
20 n-Hexane	57	2.299	2.299	(0.541)	14250	5.00000	4.12
21 1,1-Dichloroethane	63	2.414	2.414	(0.568)	16475	5.00000	5.49
23 Vinyl Acetate	43	2.451	2.451	(0.577)	25714	20.0000	18.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.906	2.906	(0.684)	5871	5.00000	5.86
	25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.684)	9443	5.00000	6.28
	26 2-Butanone	43	2.932	2.932	(0.690)	8794	25.0000	31.6(M)
	28 1,2-dichlorotrifluoroethane	67	1.540	1.541	(0.363)	11156	5.00000	5.87
	29 Bromochloromethane	49	3.141	3.141	(0.739)	5269	5.00000	6.22(Q)
	30 Tetrahydrofuran	42	3.209	3.204	(0.755)	16691	5.00000	2.11(M)
	31 Chloroform	83	3.225	3.230	(0.759)	13845	5.00000	5.65
$	32 Dibromofluoromethane (S)	113	3.402	3.408	(0.801)	73476	50.0000	51.1
	33 1,1,1-Trichloroethane	97	3.434	3.434	(0.808)	6792	5.00000	5.28(Q)
	35 Carbon Tetrachloride	117	3.622	3.627	(0.852)	4832	5.00000	4.87(QM)
	36 1,1-Dichloropropene	75	3.633	3.633	(0.855)	9422	5.00000	5.60
	37 Isobutyl alcohol	43	4.004	4.009	(0.942)	5233	5.00000	5.81(M)
	140 Cyclohexane	56	3.491	3.491	(0.822)	11611	5.00000	5.20
	38 Benzene	78	3.894	3.899	(0.916)	26703	5.00000	5.40
	39 1,2-Dichloroethane	62	3.920	3.926	(0.922)	7098	5.00000	6.00(QM)
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.945)	25829	5.00000	5.04
	141 Methylcyclohexane	55	4.909	4.909	(1.155)	8511	5.00000	4.80
*	40 Fluorobenzene	96	4.250	4.255	(1.000)	284839	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.105)	8822	5.00000	4.92
	42 1,2-Dichloropropane	63	4.951	4.956	(1.165)	5686	5.00000	7.04(QM)
	43 Dibromomethane	93	5.092	5.087	(1.198)	2583	5.00000	7.50(Q)
	44 Methyl methacrylate	69	5.149	5.149	(1.212)	386	5.00000	1.22(QM)
	45 Bromodichloromethane	83	5.291	5.285	(1.245)	5556	5.00000	5.37(M)
	46 2-Chloroethyl vinyl ether	63	5.672	5.662	(0.769)	103	10.0000	0.710(QM)
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	3002	5.00000	2.18(M)
	48 4-Methyl-2-Pentanone	43	6.002	5.997	(0.814)	8464	25.0000	23.8(M)
$	49 Toluene-d8	98	6.080	6.080	(0.825)	276640	50.0000	49.9
	50 Toluene	91	6.148	6.148	(0.834)	35611	5.00000	5.06
	51 trans-1,3-Dichloropropene	75	6.405	6.410	(0.869)	1664	5.00000	2.08(M)
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	1026	5.00000	1.54(M)
	53 1,1,2-Trichloroethane	83	6.582	6.577	(0.893)	2801	5.00000	7.22(Q)
	54 Tetrachloroethene	166	6.687	6.692	(0.907)	10029	5.00000	5.31
	55 1,3-Dichloropropane	76	6.724	6.729	(0.912)	5485	5.00000	5.74(Q)
	56 2-Hexanone	43	6.839	6.834	(0.928)	4380	25.0000	21.7(QM)
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	2453	5.00000	2.59
	58 1,2-Dibromoethane	107	6.996	7.001	(0.949)	1686	5.00000	3.83(Q)
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	179571	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	21015	5.00000	5.52(Q)
	61 1,1,1,2-Tetrachloroethane	131	7.456	7.461	(1.011)	2384	5.00000	3.44
	62 Ethylbenzene	106	7.482	7.482	(1.015)	10660	5.00000	5.17
	63 m&p-Xylene	106	7.571	7.571	(1.027)	28032	10.0000	10.7
	65 o-Xylene	106	7.838	7.838	(1.063)	11579	5.00000	5.34
	66 Styrene	104	7.853	7.853	(1.065)	16535	5.00000	5.02
	67 Bromoform	173	7.968	7.968	(0.900)	655	5.00000	1.90(M)
	68 Isopropylbenzene	105	8.084	8.084	(1.096)	31467	5.00000	5.18
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	427	5.00000	3.12(QM)
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	75292	50.0000	51.5
	71 Bromobenzene	77	8.267	8.267	(1.121)	9598	5.00000	5.66
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	3233	5.00000	5.60(QM)
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	2425	5.00000	6.46(QM)
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	39868	5.00000	5.65
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	22819	5.00000	5.82
	76 4-Chlorotoluene	126	8.455	8.450	(0.955)	8520	5.00000	5.93(Q)
	77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	25153	5.00000	5.54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	28279	5.00000	5.52
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	24795	5.00000	5.86
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	36363	5.00000	5.81
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	15066	5.00000	5.62
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	85519	50.0000	
83 p-Isopropyltoluene	119	8.837	8.831	(0.998)	29935	5.00000	5.38
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	15426	5.00000	5.44(Q)
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	12400	5.00000	5.64
86 n-Butylbenzene	91	9.056	9.056	(1.023)	23360	5.00000	5.36
88 1,2,4-Trichlorobenzene	180	9.893	9.888	(1.118)	4169	5.00000	5.03(QM)
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	5366	5.00000	5.33(Q)
90 Naphthalene	128	10.029	10.024	(1.133)	3100	5.00000	1.56(M)
91 1,2,3-Trichlorobenzene	180	10.160	10.150	(1.148)	3003	5.00000	2.48(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B05.D
Lab Smp Id: 5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 5ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	284839	-17.32
59 Chlorobenzene-d5	214804	107402	429608	179571	-16.40
82 1,4-Dichlorobenze	110737	55369	221474	85519	-22.77

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.25	-0.12
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	4.79	
74-87-3	Chloromethane	4.70	
75-01-4	Vinyl Chloride	4.37	
74-83-9	Bromomethane	5.19	
79-20-9	Methyl Acetate	5.03	
75-00-3	Chloroethane	4.42	
75-69-4	Trichlorofluoromethane	4.92	
60-29-7	Diethyl ether	8.46	
107-02-8	Acrolein	88.7	
75-35-4	1,1-Dichloroethene	5.83	
76-13-1	1,1,2trichlorotrifluoroethan	5.92	
67-64-1	Acetone	16.6	
	Iodomethane	7.98	
75-15-0	Carbon Disulfide	11.0	
107-05-1	allyl chloride	11.0	
75-09-2	Methylene Chloride	3.71	
107-13-1	Acrylonitrile	109	
75-65-0	tert-Butyl Alcohol	14.6	
156-60-5	1,2-Dichloroethene (trans)	5.82	
1634-04-4	Methyl-tert-butyl ether	10.0	
	n-Hexane	4.12	
75-34-3	1,1-Dichloroethane	5.49	
108-05-4	Vinyl Acetate	18.9	
594-20-7	2,2-Dichloropropane	5.86	
156-59-2	1,2-Dichloroethene (cis)	6.28	
78-93-3	2-Butanone	31.6	
354-23-4	1,2-dichlorotrifluoroethane	5.87	
74-97-5	Bromochloromethane	6.22	
	Tetrahydrofuran	2.11	
67-66-3	Chloroform	5.65	
71-55-6	1,1,1-Trichloroethane	5.28	
56-23-5	Carbon Tetrachloride	4.87	
563-58-6	1,1-Dichloropropene	5.60	
78-83-1	Isobutyl alcohol	5.81	
110-82-7	Cyclohexane	5.20	
71-43-2	Benzene	5.40	
107-06-2	1,2-Dichloroethane	6.00	
540-84-1	2,2,4-Trimethylpentane	5.04	
108-82-7	Methylcyclohexane	4.80	
79-01-6	Trichloroethene	4.92	
78-87-5	1,2-Dichloropropane	7.04	
74-95-3	Dibromomethane	7.50	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
80-62-6	Methyl methacrylate	1.22	
75-27-4	Bromodichloromethane	5.37	
110-75-8	2-Chloroethyl vinyl ether	0.710	
10061-01-5	cis-1,3-Dichloropropene	2.18	
108-10-1	4-Methyl-2-Pentanone	23.8	
108-88-3	Toluene	5.06	
10061-02-6	trans-1,3-Dichloropropene	2.08	
	Ethyl Methacrylate	1.54	
79-00-5	1,1,2-Trichloroethane	7.22	
127-18-4	Tetrachloroethene	5.31	
142-28-9	1,3-Dichloropropane	5.74	
591-78-6	2-Hexanone	21.7	
124-48-1	Dibromochloromethane	2.59	
106-93-4	1,2-Dibromoethane	3.83	
108-90-7	Chlorobenzene	5.52	
630-20-6	1,1,1,2-Tetrachloroethane	3.44	
100-41-4	Ethylbenzene	5.17	
7816-60-0	m&p-Xylene	10.7	
95-47-6	o-Xylene	5.34	
100-42-5	Styrene	5.02	
75-25-2	Bromoform	1.90	
98-82-8	Isopropylbenzene	5.18	
	trans-1,4-Dichloro-2-butene	3.12	
108-86-1	Bromobenzene	5.66	
79-34-5	1,1,2,2-Tetrachloroethane	5.60	
96-18-4	1,2,3-Trichloropropane	6.46	
103-65-1	n-Propylbenzene	5.65	
95-49-8	2-Chlorotoluene	5.82	
106-43-4	4-Chlorotoluene	5.93	
108-67-8	1,3,5-Trimethylbenzene	5.54	
98-06-6	tert-Butylbenzene	5.52	
95-63-6	1,2,4-Trimethylbenzene	5.86	
135-98-8	sec-Butylbenzene	5.81	
541-73-1	1,3-Dichlorobenzene	5.62	
99-87-6	p-Isopropyltoluene	5.38	
106-46-7	1,4-Dichlorobenzene	5.44	
95-50-1	1,2-Dichlorobenzene	5.64	
104-51-8	n-Butylbenzene	5.36	
120-82-1	1,2,4-Trichlorobenzene	5.03	
87-68-3	Hexachlorobutadiene	5.33	
91-20-3	Naphthalene	1.56	
87-61-6	1,2,3-Trichlorobenzene	2.48	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

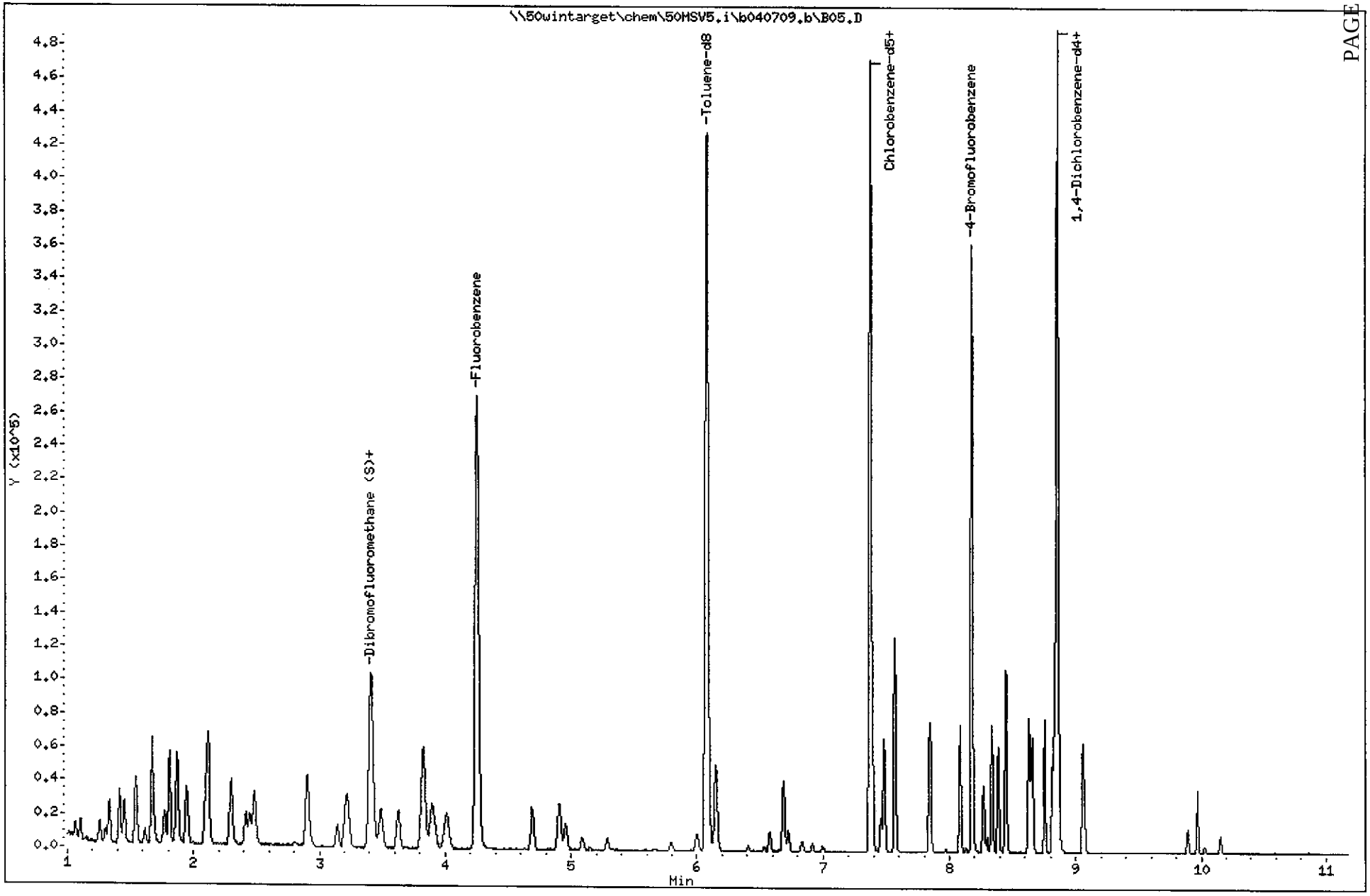
Client SDG: b040709.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	51.1	
2037-26-5	Toluene-d8	49.9	
460-00-4	4-Bromofluorobenzene	51.5	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B05.D
Date : 07-APR-2009 14:00
Client ID: 5ppb
Sample Info: 5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B05.D

Date : 07-APR-2009 14:00

Client ID: 5ppb

Instrument: 50MSV5.i

Sample Info: 5ppb

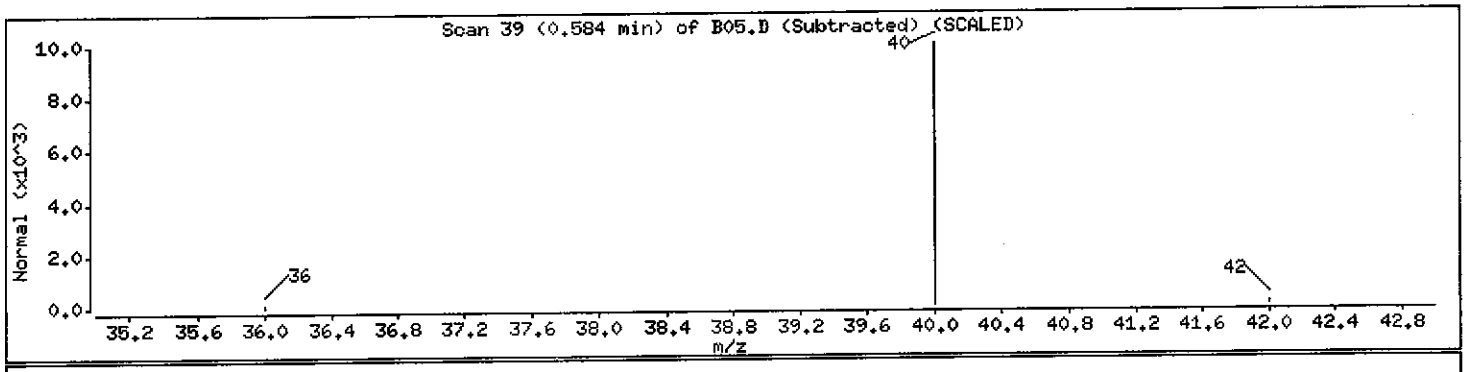
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B06.D
Lab Smp Id: 10ppb Client Smp ID: 10ppb
Inj Date : 07-APR-2009 14:37
Operator : ala Inst ID: 50MSV5.i
Smp Info : 10ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 15:04 Cal File: B07.D
Als bottle: 14 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	21161	10.0000	10.8
2 Chloromethane	50	1.059	1.065	(0.249)	21033	10.0000	10.2
3 Vinyl Chloride	62	1.101	1.101	(0.259)	19045	10.0000	10.3
4 Bromomethane	94	1.258	1.258	(0.296)	13213	10.0000	11.2
139 Methyl Acetate	43	1.875	1.875	(0.441)	5283	10.0000	9.39(M)
5 Chloroethane	64	1.300	1.300	(0.306)	11233	10.0000	10.1
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	42418	10.0000	11.2
7 Diethyl ether	74	1.551	1.551	(0.365)	5344	10.0000	14.6
8 Acrolein	56	1.614	1.614	(0.379)	10465	200.000	206
9 1,1-Dichloroethene	96	1.676	1.677	(0.394)	20184	10.0000	12.6
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	24835	10.0000	12.9
11 Acetone	43	1.692	1.692	(0.398)	13467	50.0000	33.1
12 Iodomethane	142	1.771	1.771	(0.416)	51116	20.0000	24.8
13 Carbon Disulfide	76	1.807	1.807	(0.425)	114640	20.0000	23.5
14 allyl chloride	41	1.870	1.870	(0.440)	61707	20.0000	23.9
15 Methylene Chloride	84	1.943	1.943	(0.457)	20112	10.0000	6.99
16 Acrylonitrile	53	2.095	2.095	(0.492)	44216	200.000	225
17 tert-Butyl Alcohol	59	1.551	1.546	(0.365)	8220	20.0000	24.7
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.497)	22999	10.0000	12.2
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.497)	40469	20.0000	23.1
20 n-Hexane	57	2.299	2.299	(0.540)	33964	10.0000	9.70
21 1,1-Dichloroethane	63	2.414	2.414	(0.567)	40176	10.0000	12.0
23 Vinyl Acetate	43	2.450	2.451	(0.576)	62642	40.0000	43.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.905	2.906	(0.683)	8707	10.0000	7.43
25 1,2-Dichloroethene (cis)	96	2.905	2.906	(0.683)	19642	10.0000	11.2
26 2-Butanone	43	2.937	2.932	(0.690)	16834	50.0000	51.6(M)
27 Propionitrile	54	2.984	2.995	(0.701)	244	10.0000	3.14(QM)
28 1,2-dichlorotrifluoroethane	67	1.540	1.541	(0.362)	26803	10.0000	12.4
29 Bromochloromethane	49	3.141	3.141	(0.738)	12692	10.0000	12.9
30 Tetrahydrofuran	42	3.209	3.204	(0.754)	18725	10.0000	2.72(M)
31 Chloroform	83	3.230	3.230	(0.759)	31216	10.0000	11.3
$ 32 Dibromofluoromethane (S)	113	3.408	3.408	(0.801)	78007	50.0000	50.0
33 1,1,1-Trichloroethane	97	3.434	3.434	(0.807)	18144	10.0000	12.8
35 Carbon Tetrachloride	117	3.622	3.627	(0.851)	12920	10.0000	12.2
36 1,1-Dichloropropene	75	3.627	3.633	(0.853)	24320	10.0000	12.9
37 Isobutyl alcohol	43	4.009	4.009	(0.942)	14294	10.0000	14.0
140 Cyclohexane	56	3.491	3.491	(0.821)	32043	10.0000	13.2
38 Benzene	78	3.899	3.899	(0.916)	65374	10.0000	12.0
39 1,2-Dichloroethane	62	3.925	3.926	(0.923)	15379	10.0000	11.3
138 2,2,4-Trimethylpentane	57	4.009	4.014	(0.942)	72839	10.0000	13.2
141 Methylcyclohexane	55	4.909	4.909	(1.154)	26057	10.0000	13.8
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	306681	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	20290	10.0000	10.6
42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	14072	10.0000	14.2
43 Dibromomethane	93	5.092	5.087	(1.197)	6789	10.0000	15.7
44 Methyl methacrylate	69	5.144	5.149	(1.209)	1936	10.0000	9.15(QM)
45 Bromodichloromethane	83	5.285	5.285	(1.242)	14253	10.0000	12.5
46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	1526	20.0000	18.3(M)
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	8312	10.0000	7.82
48 4-Methyl-2-Pentanone	43	6.002	5.997	(0.814)	23024	50.0000	61.1
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	298789	50.0000	50.1
50 Toluene	91	6.148	6.148	(0.834)	78431	10.0000	10.3
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	4652	10.0000	7.62
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	3753	10.0000	7.99(M)
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	6467	10.0000	13.5
54 Tetrachloroethene	166	6.692	6.692	(0.908)	25632	10.0000	12.4
55 1,3-Dichloropropane	76	6.724	6.729	(0.912)	13397	10.0000	12.4
56 2-Hexanone	43	6.833	6.834	(0.927)	12643	50.0000	61.0
57 Dibromochloromethane	129	6.917	6.917	(0.938)	6871	10.0000	8.89
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	5166	10.0000	11.8
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	193234	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	47561	10.0000	11.2
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	7097	10.0000	10.6
62 Ethylbenzene	106	7.482	7.482	(1.015)	26900	10.0000	12.0
63 m&p-Xylene	106	7.571	7.571	(1.027)	69970	20.0000	24.3
65 o-Xylene	106	7.843	7.838	(1.064)	30330	10.0000	12.7
66 Styrene	104	7.853	7.853	(1.065)	43262	10.0000	12.2
67 Bromoform	173	7.968	7.968	(0.900)	2620	10.0000	10.0(M)
68 Isopropylbenzene	105	8.083	8.084	(1.096)	83574	10.0000	12.6
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	958	10.0000	8.02(QM)
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	80083	50.0000	50.4
71 Bromobenzene	77	8.266	8.267	(1.121)	22137	10.0000	11.6
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	7939	10.0000	12.0(M)
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	6069	10.0000	13.4
74 n-Propylbenzene	91	8.340	8.340	(0.942)	99021	10.0000	12.2
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	55242	10.0000	12.1
76 4-Chlorotoluene	126	8.455	8.450	(0.955)	20993	10.0000	12.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	66203	10.0000	12.8
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	74981	10.0000	12.9
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	64401	10.0000	13.1
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	96546	10.0000	13.3
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	35896	10.0000	11.7
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	94061	50.0000	
83 p-Isopropyltoluene	119	8.837	8.831	(0.998)	81963	10.0000	13.1
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	35350	10.0000	11.0
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	29932	10.0000	11.9
86 n-Butylbenzene	91	9.056	9.056	(1.023)	65754	10.0000	13.4
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	209	10.0000	3.05(QM)
88 1,2,4-Trichlorobenzene	180	9.893	9.888	(1.118)	11790	10.0000	12.9
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	14357	10.0000	12.7
90 Naphthalene	128	10.029	10.024	(1.133)	11833	10.0000	8.27
91 1,2,3-Trichlorobenzene	180	10.155	10.150	(1.147)	10089	10.0000	10.1

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B06.D
Lab Smp Id: 10ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 10ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	306681	-10.99
59 Chlorobenzene-d5	214804	107402	429608	193234	-10.04
82 1,4-Dichlorobenze	110737	55369	221474	94061	-15.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	-0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	10.8	
74-87-3	Chloromethane	10.2	
75-01-4	Vinyl Chloride	10.3	
74-83-9	Bromomethane	11.2	
79-20-9	Methyl Acetate	9.39	
75-00-3	Chloroethane	10.1	
75-69-4	Trichlorofluoromethane	11.2	
60-29-7	Diethyl ether	14.6	
107-02-8	Acrolein	206	
75-35-4	1,1-Dichloroethene	12.6	
76-13-1	1,1,2trichlorotrifluoroethan	12.9	
67-64-1	Acetone	33.1	
	Iodomethane	24.8	
75-15-0	Carbon Disulfide	23.5	
107-05-1	allyl chloride	23.9	
75-09-2	Methylene Chloride	6.99	
107-13-1	Acrylonitrile	225	
75-65-0	tert-Butyl Alcohol	24.7	
156-60-5	1,2-Dichloroethene (trans)	12.2	
1634-04-4	Methyl-tert-butyl ether	23.1	
	n-Hexane	9.70	
75-34-3	1,1-Dichloroethane	12.0	
108-05-4	Vinyl Acetate	43.5	
594-20-7	2,2-Dichloropropane	7.43	
156-59-2	1,2-Dichloroethene (cis)	11.2	
78-93-3	2-Butanone	51.6	
107-12-0	Propionitrile	3.14	
354-23-4	1,2-dichlorotrifluoroethane	12.4	
74-97-5	Bromochloromethane	12.9	
	Tetrahydrofuran	2.72	
67-66-3	Chloroform	11.3	
71-55-6	1,1,1-Trichloroethane	12.8	
56-23-5	Carbon Tetrachloride	12.2	
563-58-6	1,1-Dichloropropene	12.9	
78-83-1	Isobutyl alcohol	14.0	
110-82-7	Cyclohexane	13.2	
71-43-2	Benzene	12.0	
107-06-2	1,2-Dichloroethane	11.3	
540-84-1	2,2,4-Trimethylpentane	13.2	
108-82-7	Methylcyclohexane	13.8	
79-01-6	Trichloroethene	10.6	
78-87-5	1,2-Dichloropropane	14.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	15.7	
80-62-6	Methyl methacrylate	9.15	
75-27-4	Bromodichloromethane	12.5	
110-75-8	2-Chloroethyl vinyl ether	18.3	
10061-01-5	cis-1,3-Dichloropropene	7.82	
108-10-1	4-Methyl-2-Pentanone	61.1	
108-88-3	Toluene	10.3	
10061-02-6	trans-1,3-Dichloropropene	7.62	
	Ethyl Methacrylate	7.99	
79-00-5	1,1,2-Trichloroethane	13.5	
127-18-4	Tetrachloroethene	12.4	
142-28-9	1,3-Dichloropropane	12.4	
591-78-6	2-Hexanone	61.0	
124-48-1	Dibromochloromethane	8.89	
106-93-4	1,2-Dibromoethane	11.8	
108-90-7	Chlorobenzene	11.2	
630-20-6	1,1,1,2-Tetrachloroethane	10.6	
100-41-4	Ethylbenzene	12.0	
7816-60-0	m&p-Xylene	24.3	
95-47-6	o-Xylene	12.7	
100-42-5	Styrene	12.2	
75-25-2	Bromoform	10.0	
98-82-8	Isopropylbenzene	12.6	
	trans-1,4-Dichloro-2-butene	8.02	
108-86-1	Bromobenzene	11.6	
79-34-5	1,1,2,2-Tetrachloroethane	12.0	
96-18-4	1,2,3-Trichloropropane	13.4	
103-65-1	n-Propylbenzene	12.2	
95-49-8	2-Chlorotoluene	12.1	
106-43-4	4-Chlorotoluene	12.5	
108-67-8	1,3,5-Trimethylbenzene	12.8	
98-06-6	tert-Butylbenzene	12.9	
95-63-6	1,2,4-Trimethylbenzene	13.1	
135-98-8	sec-Butylbenzene	13.3	
541-73-1	1,3-Dichlorobenzene	11.7	
99-87-6	p-Isopropyltoluene	13.1	
106-46-7	1,4-Dichlorobenzene	11.0	
95-50-1	1,2-Dichlorobenzene	11.9	
104-51-8	n-Butylbenzene	13.4	
96-12-8	1,2-Dibromo-3-chloropropane	3.05	
120-82-1	1,2,4-Trichlorobenzene	12.9	
87-68-3	Hexachlorobutadiene	12.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

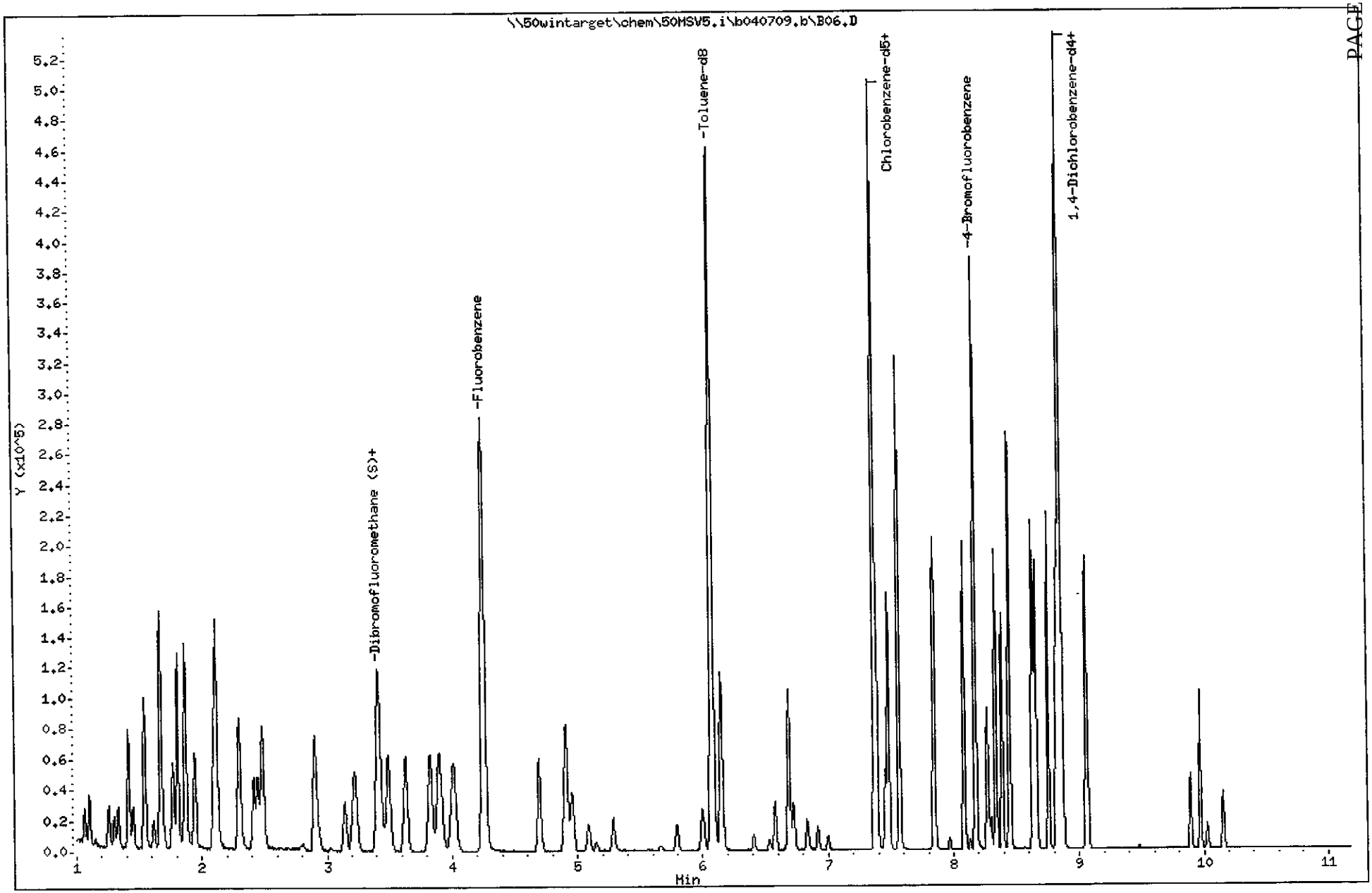
Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	8.27	
87-61-6	1,2,3-Trichlorobenzene	10.1	
1868-53-7	Dibromofluoromethane (S)	50.0	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	50.4	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B06.D
Date : 07-APR-2009 14:37
Client ID: 10ppb
Sample Info: 10ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B06.D

Date : 07-APR-2009 14:37

Client ID: 10ppb

Instrument: 50MSV5.i

Sample Info: 10ppb

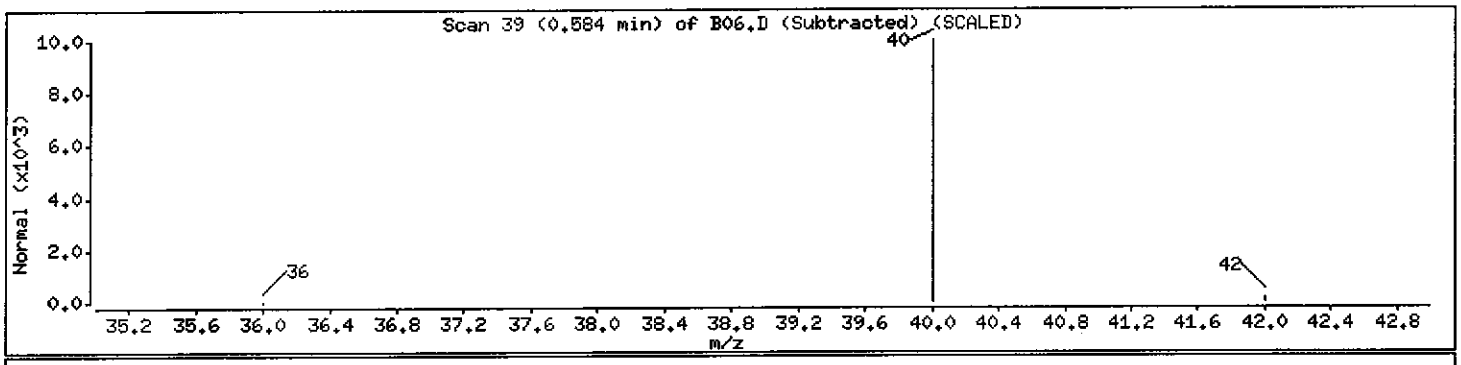
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B07.D
Lab Smp Id: 50ppb Client Smp ID: 50ppb
Inj Date : 07-APR-2009 15:14
Operator : ala Inst ID: 50MSV5.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:23 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 15:04 Cal File: B07.D
Als bottle: 16 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	0.970	0.970	(0.228)	105791	50.0000	47.6
2 Chloromethane	50	1.065	1.065	(0.251)	99221	50.0000	45.7
3 Vinyl Chloride	62	1.101	1.101	(0.259)	97982	50.0000	47.5
4 Bromomethane	94	1.258	1.258	(0.296)	65527	50.0000	47.3
139 Methyl Acetate	43	1.875	1.875	(0.441)	29281	50.0000	63.8
5 Chloroethane	64	1.300	1.300	(0.306)	53974	50.0000	45.6
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	211286	50.0000	49.6
7 Diethyl ether	74	1.546	1.551	(0.364)	29871	50.0000	55.9
8 Acrolein	56	1.614	1.614	(0.380)	54339	1000.00	943
9 1,1-Dichloroethene	96	1.671	1.677	(0.393)	105358	50.0000	56.6
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	127585	50.0000	57.7
11 Acetone	43	1.692	1.692	(0.398)	57577	250.000	294
12 Iodomethane	142	1.771	1.771	(0.417)	360965	100.000	108
13 Carbon Disulfide	76	1.807	1.807	(0.425)	590221	100.000	111
14 allyl chloride	41	1.870	1.870	(0.440)	328897	100.000	115
15 Methylene Chloride	84	1.943	1.943	(0.457)	86118	50.0000	56.3
16 Acrylonitrile	53	2.095	2.095	(0.493)	233046	1000.00	1100
17 tert-Butyl Alcohol	59	1.546	1.546	(0.364)	46807	100.000	111
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.498)	117993	50.0000	56.0
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.498)	254280	100.000	102
20 n-Hexane	57	2.299	2.299	(0.541)	169564	50.0000	57.2
21 1,1-Dichloroethane	63	2.414	2.414	(0.568)	204325	50.0000	55.5
23 Vinyl Acetate	43	2.451	2.451	(0.577)	393592	200.000	236

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.906	2.906	(0.684)	60633	50.0000	45.2
25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.684)	108008	50.0000	54.0
26 2-Butanone	43	2.932	2.932	(0.690)	92714	250.000	271
27 Propionitrile	54	2.989	2.995	(0.703)	4369	50.0000	53.5
28 1,2-dichlorotrifluoroethane	67	1.540	1.541	(0.363)	138198	50.0000	58.2
29 Bromochloromethane	49	3.141	3.141	(0.739)	68200	50.0000	55.4
30 Tetrahydrofuran	42	3.209	3.204	(0.755)	30124	50.0000	56.5
31 Chloroform	83	3.225	3.230	(0.759)	166113	50.0000	53.6
$ 32 Dibromofluoromethane (S)	113	3.408	3.408	(0.802)	83728	50.0000	49.1
33 1,1,1-Trichloroethane	97	3.434	3.434	(0.808)	123574	50.0000	48.1
35 Carbon Tetrachloride	117	3.627	3.627	(0.854)	107331	50.0000	46.9
36 1,1-Dichloropropene	75	3.633	3.633	(0.855)	144636	50.0000	54.5
37 Isobutyl alcohol	43	4.009	4.009	(0.943)	83080	50.0000	54.0
140 Cyclohexane	56	3.491	3.491	(0.822)	189554	50.0000	54.8
38 Benzene	78	3.899	3.899	(0.918)	366213	50.0000	56.1
39 1,2-Dichloroethane	62	3.925	3.926	(0.924)	85130	50.0000	54.5
138 2,2,4-Trimethylpentane	57	4.009	4.014	(0.943)	428028	50.0000	53.4
141 Methylcyclohexane	55	4.904	4.909	(1.154)	156991	50.0000	54.0
* 40 Fluorobenzene	96	4.250	4.255	(1.000)	344528	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.105)	109735	50.0000	51.6
42 1,2-Dichloropropane	63	4.956	4.956	(1.166)	84014	50.0000	54.0
43 Dibromomethane	93	5.087	5.087	(1.197)	35456	50.0000	54.5
44 Methyl methacrylate	69	5.149	5.149	(1.212)	19091	50.0000	49.8
45 Bromodichloromethane	83	5.285	5.285	(1.244)	94364	50.0000	52.2
46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	17346	100.000	100
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	82257	50.0000	49.8
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	162377	250.000	268
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	333693	50.0000	50.8
50 Toluene	91	6.148	6.148	(0.834)	420964	50.0000	52.2
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	47913	50.0000	46.7
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	39950	50.0000	49.9
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	40712	50.0000	55.9
54 Tetrachloroethene	166	6.692	6.692	(0.908)	136759	50.0000	51.0
55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	81268	50.0000	56.2
56 2-Hexanone	43	6.833	6.834	(0.927)	98672	250.000	263
57 Dibromochloromethane	129	6.917	6.917	(0.938)	56552	50.0000	51.7
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	46734	50.0000	54.5
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	214804	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	262753	50.0000	54.4
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	67860	50.0000	49.4
62 Ethylbenzene	106	7.482	7.482	(1.015)	161600	50.0000	54.3
63 m&p-Xylene	106	7.571	7.571	(1.027)	407431	100.000	104
65 o-Xylene	106	7.838	7.838	(1.063)	184229	50.0000	53.7
66 Styrene	104	7.853	7.853	(1.065)	273571	50.0000	53.4
67 Bromoform	173	7.968	7.968	(0.900)	22271	50.0000	48.3
68 Isopropylbenzene	105	8.084	8.084	(1.096)	505340	50.0000	54.3
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	8177	50.0000	50.7
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	91438	50.0000	51.8
71 Bromobenzene	77	8.267	8.267	(1.121)	122042	50.0000	55.3
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	45739	50.0000	55.5
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	39011	50.0000	52.8
74 n-Propylbenzene	91	8.340	8.340	(0.942)	581874	50.0000	54.3
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	305738	50.0000	55.3
76 4-Chlorotoluene	126	8.450	8.450	(0.955)	119186	50.0000	52.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	399106	50.0000	52.2
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	471146	50.0000	52.0
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	367751	50.0000	52.4
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	565819	50.0000	53.3
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	205346	50.0000	53.6
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	110737	50.0000	
83 p-Isopropyltoluene	119	8.831	8.831	(0.998)	506937	50.0000	52.4
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	201351	50.0000	53.1
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	167323	50.0000	53.8
86 n-Butylbenzene	91	9.051	9.056	(1.022)	418728	50.0000	53.4
87 1,2-Dibromo-3-chloropropane	155	9.480	9.475	(1.071)	4028	50.0000	48.0
88 1,2,4-Trichlorobenzene	180	9.893	9.888	(1.118)	98447	50.0000	52.1
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	89113	50.0000	52.0
90 Naphthalene	128	10.029	10.024	(1.133)	128264	50.0000	49.7
91 1,2,3-Trichlorobenzene	180	10.155	10.150	(1.147)	78382	50.0000	52.4
92 2,methyl-naphthalene	142	10.667	10.662	(1.205)	34909	50.0000	53.0

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B07.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	344528	0.00
59 Chlorobenzene-d5	214804	107402	429608	214804	0.00
82 1,4-Dichlorobenze	110737	55369	221474	110737	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.25	-0.12
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	47.6	
74-87-3	Chloromethane	45.7	
75-01-4	Vinyl Chloride	47.5	
74-83-9	Bromomethane	47.3	
79-20-9	Methyl Acetate	63.8	
75-00-3	Chloroethane	45.6	
75-69-4	Trichlorofluoromethane	49.6	
60-29-7	Diethyl ether	55.9	
107-02-8	Acrolein	943	
75-35-4	1,1-Dichloroethene	56.6	
76-13-1	1,1,2trichlorotrifluoroethan	57.7	
67-64-1	Acetone	294	
	Iodomethane	108	
75-15-0	Carbon Disulfide	111	
107-05-1	allyl chloride	115	
75-09-2	Methylene Chloride	56.3	
107-13-1	Acrylonitrile	1100	
75-65-0	tert-Butyl Alcohol	111	
156-60-5	1,2-Dichloroethene (trans)	56.0	
1634-04-4	Methyl-tert-butyl ether	102	
	n-Hexane	57.2	
75-34-3	1,1-Dichloroethane	55.5	
108-05-4	Vinyl Acetate	236	
594-20-7	2,2-Dichloropropane	45.2	
156-59-2	1,2-Dichloroethene (cis)	54.0	
78-93-3	2-Butanone	271	
107-12-0	Propionitrile	53.5	
354-23-4	1,2-dichlorotrifluoroethane	58.2	
74-97-5	Bromochloromethane	55.4	
	Tetrahydrofuran	56.5	
67-66-3	Chloroform	53.6	
71-55-6	1,1,1-Trichloroethane	48.1	
56-23-5	Carbon Tetrachloride	46.9	
563-58-6	1,1-Dichloropropene	54.5	
78-83-1	Isobutyl alcohol	54.0	
110-82-7	Cyclohexane	54.8	
71-43-2	Benzene	56.1	
107-06-2	1,2-Dichloroethane	54.5	
540-84-1	2,2,4-Trimethylpentane	53.4	
108-82-7	Methylcyclohexane	54.0	
79-01-6	Trichloroethene	51.6	
78-87-5	1,2-Dichloropropane	54.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	54.5	
80-62-6	Methyl methacrylate	49.8	
75-27-4	Bromodichloromethane	52.2	
110-75-8	2-Chloroethyl vinyl ether	100	
10061-01-5	cis-1,3-Dichloropropene	49.8	
108-10-1	4-Methyl-2-Pentanone	268	
108-88-3	Toluene	52.2	
10061-02-6	trans-1,3-Dichloropropene	46.7	
	Ethyl Methacrylate	49.9	
79-00-5	1,1,2-Trichloroethane	55.9	
127-18-4	Tetrachloroethene	51.0	
142-28-9	1,3-Dichloropropane	56.2	
591-78-6	2-Hexanone	263	
124-48-1	Dibromochloromethane	51.7	
106-93-4	1,2-Dibromoethane	54.5	
108-90-7	Chlorobenzene	54.4	
630-20-6	1,1,1,2-Tetrachloroethane	49.4	
100-41-4	Ethylbenzene	54.3	
7816-60-0	m&p-Xylene	104	
95-47-6	o-Xylene	53.7	
100-42-5	Styrene	53.4	
75-25-2	Bromoform	48.3	
98-82-8	Isopropylbenzene	54.3	
	trans-1,4-Dichloro-2-butene	50.7	
108-86-1	Bromobenzene	55.3	
79-34-5	1,1,2,2-Tetrachloroethane	55.5	
96-18-4	1,2,3-Trichloropropane	52.8	
103-65-1	n-Propylbenzene	54.3	
95-49-8	2-Chlorotoluene	55.3	
106-43-4	4-Chlorotoluene	52.2	
108-67-8	1,3,5-Trimethylbenzene	52.2	
98-06-6	tert-Butylbenzene	52.0	
95-63-6	1,2,4-Trimethylbenzene	52.4	
135-98-8	sec-Butylbenzene	53.3	
541-73-1	1,3-Dichlorobenzene	53.6	
99-87-6	p-Isopropyltoluene	52.4	
106-46-7	1,4-Dichlorobenzene	53.1	
95-50-1	1,2-Dichlorobenzene	53.8	
104-51-8	n-Butylbenzene	53.4	
96-12-8	1,2-Dibromo-3-chloropropane	48.0	
120-82-1	1,2,4-Trichlorobenzene	52.1	
87-68-3	Hexachlorobutadiene	52.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

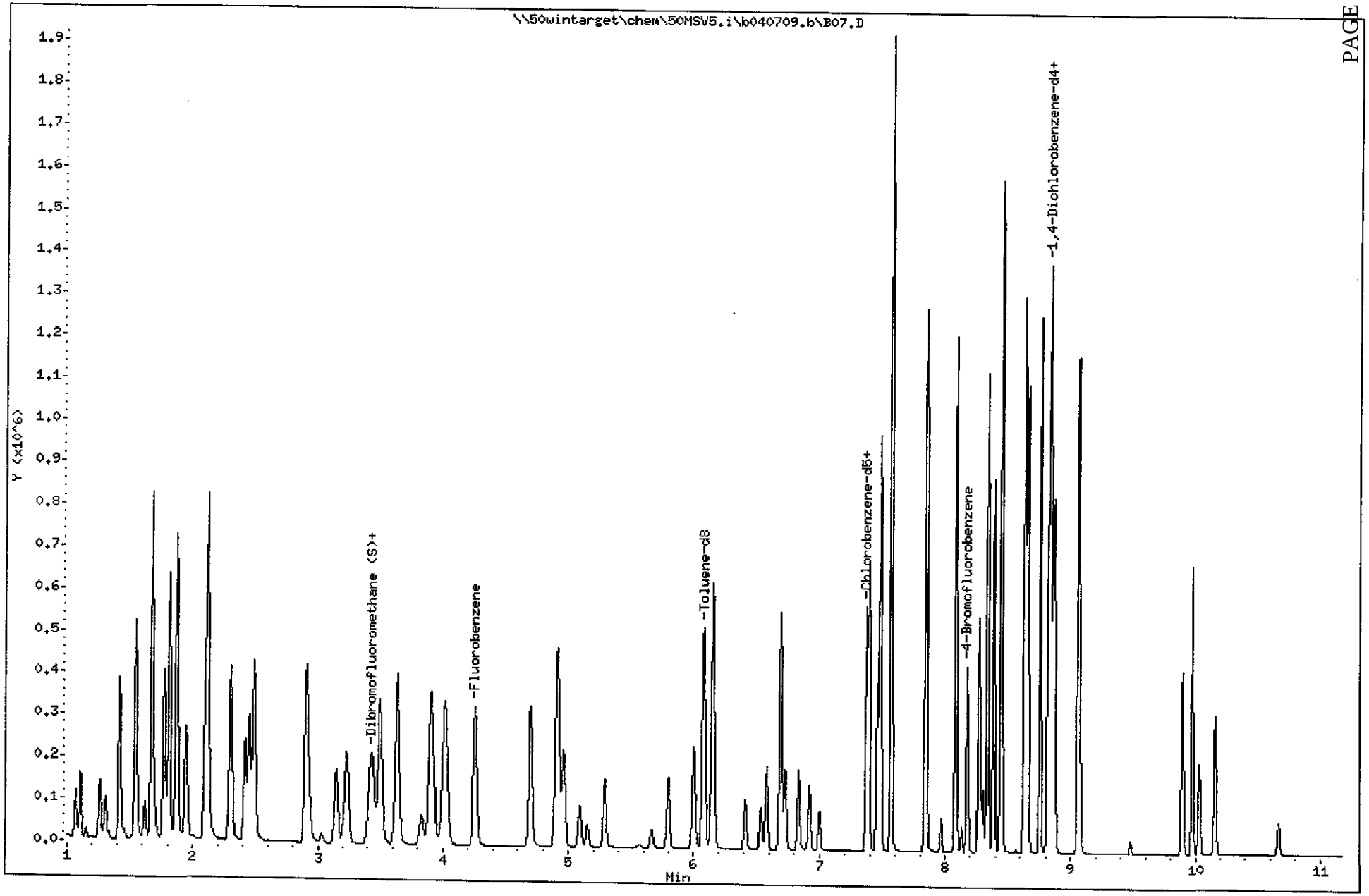
Client SDG: b040709.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	49.7	
87-61-6	1,2,3-Trichlorobenzene	52.4	
	2,methyl-naphthalene	53.0	
1868-53-7	Dibromofluoromethane (S)	49.1	
2037-26-5	Toluene-d8	50.8	
460-00-4	4-Bromofluorobenzene	51.8	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B07.D
Date : 07-APR-2009 15:14
Client ID: 50ppb
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B07.D

Date : 07-APR-2009 15:14

Client ID: 50ppb

Instrument: 50MSV5.i

Sample Info: 50ppb

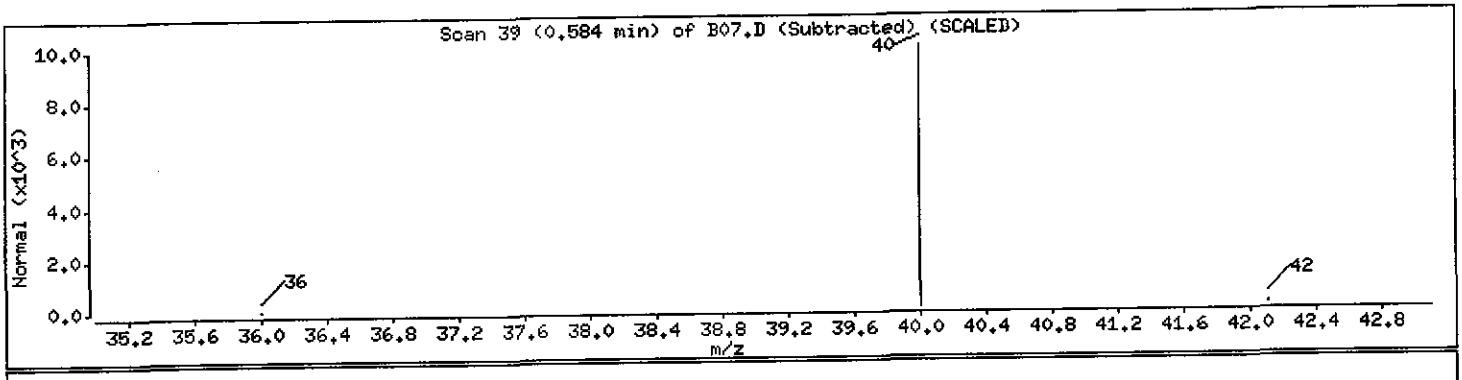
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B07CCV.D
Lab Smp Id: 50ppb Client Smp ID: 50ppb
Inj Date : 07-APR-2009 15:14
Operator : ala Inst ID: 50MSV5.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:23 aallison Quant Type: ISTD
Cal Date : 31-MAR-2009 15:04 Cal File: B07.D
Als bottle: 16 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	105791	50.0000	47.6
2 Chloromethane	50	1.065	1.065	(0.251)	99221	50.0000	45.7
3 Vinyl Chloride	62	1.101	1.101	(0.259)	97982	50.0000	47.5
4 Bromomethane	94	1.258	1.258	(0.296)	65527	50.0000	47.3
139 Methyl Acetate	43	1.875	1.875	(0.441)	29281	50.0000	63.8
5 Chloroethane	64	1.300	1.300	(0.306)	53974	50.0000	45.6
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	211286	50.0000	49.6
7 Diethyl ether	74	1.546	1.551	(0.364)	29871	50.0000	55.9
8 Acrolein	56	1.614	1.614	(0.380)	54339	1000.00	943
9 1,1-Dichloroethene	96	1.671	1.677	(0.393)	105358	50.0000	56.6
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	127585	50.0000	57.7
11 Acetone	43	1.692	1.692	(0.398)	57577	250.000	294
12 Iodomethane	142	1.771	1.771	(0.417)	360965	100.000	108
13 Carbon Disulfide	76	1.807	1.807	(0.425)	590221	100.000	111
14 allyl chloride	41	1.870	1.870	(0.440)	328897	100.000	115
15 Methylene Chloride	84	1.943	1.943	(0.457)	86118	50.0000	56.3
16 Acrylonitrile	53	2.095	2.095	(0.493)	233046	1000.00	1100
17 tert-Butyl Alcohol	59	1.546	1.546	(0.364)	46807	100.000	111
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.498)	117993	50.0000	56.0
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.498)	254280	100.000	102
20 n-Hexane	57	2.299	2.299	(0.541)	169564	50.0000	57.2
21 1,1-Dichloroethane	63	2.414	2.414	(0.568)	204325	50.0000	55.5
23 Vinyl Acetate	43	2.451	2.451	(0.577)	393592	200.000	236

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.906	2.906	(0.684)	60633	50.0000	45.2
25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.684)	108008	50.0000	54.0
26 2-Butanone	43	2.932	2.932	(0.690)	92714	250.000	271
27 Propionitrile	54	2.989	2.995	(0.703)	4369	50.0000	53.5
28 1,2-dichlorotrifluoroethane	67	1.540	1.541	(0.363)	138198	50.0000	58.2
29 Bromochloromethane	49	3.141	3.141	(0.739)	68200	50.0000	55.4
30 Tetrahydrofuran	42	3.209	3.204	(0.755)	30124	50.0000	56.5
31 Chloroform	83	3.225	3.230	(0.759)	166113	50.0000	53.6
$ 32 Dibromofluoromethane (S)	113	3.408	3.408	(0.802)	83728	50.0000	49.1
33 1,1,1-Trichloroethane	97	3.434	3.434	(0.808)	123574	50.0000	48.1
35 Carbon Tetrachloride	117	3.627	3.627	(0.854)	107331	50.0000	46.9
36 1,1-Dichloropropene	75	3.633	3.633	(0.855)	144636	50.0000	54.5
37 Isobutyl alcohol	43	4.009	4.009	(0.943)	83080	50.0000	54.0
140 Cyclohexane	56	3.491	3.491	(0.822)	189554	50.0000	54.8
38 Benzene	78	3.899	3.899	(0.918)	366213	50.0000	56.1
39 1,2-Dichloroethane	62	3.925	3.926	(0.924)	85130	50.0000	54.5
138 2,2,4-Trimethylpentane	57	4.009	4.014	(0.943)	428028	50.0000	53.4
141 Methylcyclohexane	55	4.904	4.909	(1.154)	156991	50.0000	54.0
* 40 Fluorobenzene	96	4.250	4.255	(1.000)	344528	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.105)	109735	50.0000	51.6
42 1,2-Dichloropropane	63	4.956	4.956	(1.166)	84014	50.0000	54.0
43 Dibromomethane	93	5.087	5.087	(1.197)	35456	50.0000	54.5
44 Methyl methacrylate	69	5.149	5.149	(1.212)	19091	50.0000	49.8
45 Bromodichloromethane	83	5.285	5.285	(1.244)	94364	50.0000	52.2
46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	17346	100.000	100
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	82257	50.0000	49.8
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	162377	250.000	268
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	333693	50.0000	50.8
50 Toluene	91	6.148	6.148	(0.834)	420964	50.0000	52.2
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	47913	50.0000	46.7
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	39950	50.0000	49.9
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	40712	50.0000	55.9
54 Tetrachloroethene	166	6.692	6.692	(0.908)	136759	50.0000	51.0
55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	81268	50.0000	56.2
56 2-Hexanone	43	6.833	6.834	(0.927)	98672	250.000	263
57 Dibromochloromethane	129	6.917	6.917	(0.938)	56552	50.0000	51.7
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	46734	50.0000	54.5
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	214804	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	262753	50.0000	54.4
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	67860	50.0000	49.4
62 Ethylbenzene	106	7.482	7.482	(1.015)	161600	50.0000	54.3
63 m&p-Xylene	106	7.571	7.571	(1.027)	407431	100.000	104
65 o-Xylene	106	7.838	7.838	(1.063)	184229	50.0000	53.7
66 Styrene	104	7.853	7.853	(1.065)	273571	50.0000	53.4
67 Bromoform	173	7.968	7.968	(0.900)	22271	50.0000	48.3
68 Isopropylbenzene	105	8.084	8.084	(1.096)	505340	50.0000	54.3
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	8177	50.0000	50.7
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	91438	50.0000	51.8
71 Bromobenzene	77	8.267	8.267	(1.121)	122042	50.0000	55.3
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	45739	50.0000	55.5
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	39011	50.0000	52.8
74 n-Propylbenzene	91	8.340	8.340	(0.942)	581874	50.0000	54.3
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	305738	50.0000	55.3
76 4-Chlorotoluene	126	8.450	8.450	(0.955)	119186	50.0000	52.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	399106	50.0000	52.2
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	471146	50.0000	52.0
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	367751	50.0000	52.4
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	565819	50.0000	53.3
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	205346	50.0000	53.6
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	110737	50.0000	
83 p-Isopropyltoluene	119	8.831	8.831	(0.998)	506937	50.0000	52.4
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	201351	50.0000	53.1
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	167323	50.0000	53.8
86 n-Butylbenzene	91	9.051	9.056	(1.022)	418728	50.0000	53.4
87 1,2-Dibromo-3-chloropropane	155	9.480	9.475	(1.071)	4028	50.0000	48.0
88 1,2,4-Trichlorobenzene	180	9.893	9.888	(1.118)	98447	50.0000	52.1
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	89113	50.0000	52.0
90 Naphthalene	128	10.029	10.024	(1.133)	128264	50.0000	49.7
91 1,2,3-Trichlorobenzene	180	10.155	10.150	(1.147)	78382	50.0000	52.4
92 2,methyl-naphthalene	142	10.667	10.662	(1.205)	34909	50.0000	53.0

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B07CCV.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 15:14
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	344528	0.00
59 Chlorobenzene-d5	214804	107402	429608	214804	0.00
82 1,4-Dichlorobenze	110737	55369	221474	110737	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.25	3.75	4.75	4.25	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: B07CCV.D
Analysis Type: WATER
Lab Sample ID: 50ppb
Method: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m

Injection Date: 07-APR-2009 15:14
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:24 17:41
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.32240	0.30706	0.30706	0.100	-4.75728	20.00000	Averaged
2 Chloromethane	0.31494	0.28799	0.28799	0.100	-8.55577	20.00000	Averaged
3 Vinyl Chloride	50.00000	47.53644	0.28439	0.100	-4.92713	0.000e+000	Quadratic
4 Bromomethane	0.20106	0.19019	0.19019	0.100	-5.40342	20.00000	Averaged
139 Methyl Acetate	50.00000	63.77298	0.08499	0.100	27.54595	0.000e+000	Linear
5 Chloroethane	0.17165	0.15666	0.15666	0.100	-8.73480	20.00000	Averaged
6 Trichlorofluoromethane	0.61882	0.61326	0.61326	0.100	-0.89846	20.00000	Averaged
7 Diethyl ether	50.00000	55.91970	0.08670	0.100	11.83940	0.000e+000	Linear
8 Acrolein	0.00836	0.00789	0.00789	0.100	-5.65059	20.00000	Averaged
9 1,1-Dichloroethene	50.00000	56.61244	0.30580	0.100	13.22487	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	50.00000	57.68991	0.37032	0.100	15.37981	0.000e+000	Linear
11 Acetone	250	294	0.03342	0.100	17.57505	0.000e+000	Linear
12 Iodomethane	100	108	0.52385	0.100	8.14995	0.000e+000	Linear
13 Carbon Disulfide	0.77158	0.85656	0.85656	0.100	11.01495	20.00000	Averaged
142 Acetonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged <-
14 allyl chloride	0.41639	0.47732	0.47732	0.100	14.63062	20.00000	Averaged
15 Methylene Chloride	50.00000	56.31390	0.24996	0.100	12.62779	0.000e+000	Linear
16 Acrylonitrile	0.03062	0.03382	0.03382	0.100	10.47164	20.00000	Averaged
17 tert-Butyl Alcohol	100	111	0.06793	0.100	11.41330	0.000e+000	Linear
18 1,2-Dichloroethene (trans)	0.30597	0.34248	0.34248	0.100	11.93285	20.00000	Averaged
19 Methyl-tert-butyl ether	100	102	0.36903	0.100	2.18790	0.000e+000	Linear
20 n-Hexane	50.00000	57.16675	0.49216	0.100	14.33351	0.000e+000	Linear
21 1,1-Dichloroethane	0.53441	0.59306	0.59306	0.100	10.97445	20.00000	Averaged
23 Vinyl Acetate	0.24165	0.28560	0.28560	0.100	18.18965	20.00000	Averaged
143 Chloroprene	++++	++++	++++	0.100	++++	20.00000	Averaged <-
24 2,2-Dichloropropane	50.00000	45.17748	0.17599	0.100	-9.64503	0.000e+000	Quadratic
25 1,2-Dichloroethene (cis)	0.29030	0.31350	0.31350	0.100	7.98982	20.00000	Averaged
26 2-Butanone	0.04970	0.05382	0.05382	0.100	8.28283	20.00000	Averaged
27 Propionitrile	50.00000	53.50098	0.01268	0.100	7.00196	0.000e+000	Linear
144 Methacrylonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged <-
28 1,2-dichlorotrifluoroethane	50.00000	58.15253	0.40112	0.100	16.30506	0.000e+000	Linear
29 Bromochloromethane	50.00000	55.38387	0.19795	0.100	10.76774	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	56.50200	0.08744	0.100	13.00400	0.000e+000	Linear
31 Chloroform	0.44955	0.48215	0.48215	0.100	7.25165	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.24767	0.24302	0.24302	0.100	-1.87840	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	48.12301	0.35868	0.100	-3.75398	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	46.90186	0.31153	0.100	-6.19628	0.000e+000	Linear
36 1,1-Dichloropropene	50.00000	54.50317	0.41981	0.100	9.00634	0.000e+000	Linear
37 Isobutyl alcohol	50.00000	53.98839	0.24114	0.100	7.97679	0.000e+000	Linear
140 Cyclohexane	50.00000	54.75828	0.55018	0.100	9.51656	0.000e+000	Linear
38 Benzene	0.94792	1.06294	1.06294	0.100	12.13421	20.00000	Averaged
39 1,2-Dichloroethane	0.22670	0.24709	0.24709	0.100	8.99356	20.00000	Averaged
138 2,2,4-Trimethylpentane	50.00000	53.39596	1.24236	0.100	6.79192	0.000e+000	Linear

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: B07CCV.D
Analysis Type: WATER
Lab Sample ID: 50ppb
Method: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m

Injection Date: 07-APR-2009 15:14
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:24 17:41
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 Methylcyclohexane	50.00000	53.97287	0.45567	0.100	7.94575	0.000e+000	Linear
41 Trichloroethene	0.30857	0.31851	0.31851	0.100	3.22182	20.00000	Averaged
42 1,2-Dichloropropane	0.22591	0.24385	0.24385	0.100	7.94174	20.00000	Averaged
43 Dibromomethane	50.00000	54.51307	0.10291	0.100	9.02615	0.000e+000	Linear
44 Methyl methacrylate	50.00000	49.75440	0.05541	0.100	-0.49121	0.000e+000	Linear
45 Bromodichloromethane	50.00000	52.20967	0.27389	0.100	4.41933	0.000e+000	Linear
46 2-Chloroethyl vinyl ether	100	100	0.04038	0.100	0.30196	0.000e+000	Linear
145 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged <-
47 cis-1,3-Dichloropropene	50.00000	49.78772	0.38294	0.100	-0.42455	0.000e+000	Linear
48 4-Methyl-2-Pentanone	250	268	0.15119	0.100	7.07518	0.000e+000	Linear
$ 49 Toluene-d8	1.52964	1.55348	1.55348	0.100	1.55857	20.00000	Averaged
50 Toluene	1.87671	1.95976	1.95976	0.100	4.42530	20.00000	Averaged
51 trans-1,3-Dichloropropene	50.00000	46.72935	0.22305	0.100	-6.54129	0.000e+000	Linear
52 Ethyl Methacrylate	50.00000	49.87778	0.18598	0.100	-0.24443	0.000e+000	Linear
53 1,1,2-Trichloroethane	50.00000	55.92165	0.18953	0.100	11.84330	0.000e+000	Linear
54 Tetrachloroethene	50.00000	51.01049	0.63667	0.100	2.02097	0.000e+000	Linear
55 1,3-Dichloropropane	50.00000	56.22481	0.37834	0.100	12.44962	0.000e+000	Linear
56 2-Hexanone	250	263	0.09187	0.100	5.23614	0.000e+000	Linear
57 Dibromochloromethane	50.00000	51.67160	0.26327	0.100	3.34320	0.000e+000	Linear
58 1,2-Dibromoethane	50.00000	54.52822	0.21757	0.100	9.05643	0.000e+000	Linear
60 Chlorobenzene	1.12329	1.22322	1.22322	0.100	8.89666	20.00000	Averaged
61 1,1,1,2-Tetrachloroethane	50.00000	49.35788	0.31592	0.100	-1.28425	0.000e+000	Linear
62 Ethylbenzene	50.00000	54.30507	0.75231	0.100	8.61013	0.000e+000	Linear
63 m&p-Xylene	100	104	0.94838	0.100	4.48226	0.000e+000	Linear
65 o-Xylene	50.00000	53.74484	0.85766	0.100	7.48969	0.000e+000	Linear
66 Styrene	50.00000	53.41703	1.27358	0.100	6.83407	0.000e+000	Linear
67 Bromoform	50.00000	48.27813	0.20112	0.100	-3.44374	0.000e+000	Linear
68 Isopropylbenzene	50.00000	54.28864	2.35256	0.100	8.57727	0.000e+000	Linear
69 trans-1,4-Dichloro-2-butene	50.00000	50.72294	0.03807	0.100	1.44587	0.000e+000	Linear
$ 70 4-Bromofluorobenzene	0.41097	0.42568	0.42568	0.100	3.57882	20.00000	Averaged
71 Bromobenzene	0.51377	0.56816	0.56816	0.100	10.58540	20.00000	Averaged
72 1,1,2,2-Tetrachloroethane	0.37206	0.41304	0.41304	0.100	11.01356	20.00000	Averaged
73 1,2,3-Trichloropropane	50.00000	52.76698	0.35229	0.100	5.53396	0.000e+000	Linear
74 n-Propylbenzene	50.00000	54.31004	5.25456	0.100	8.62007	0.000e+000	Linear
75 2-Chlorotoluene	2.49579	2.76094	2.76094	0.100	10.62379	20.00000	Averaged
76 4-Chlorotoluene	50.00000	52.24747	1.07630	0.100	4.49494	0.000e+000	Linear
77 1,3,5-Trimethylbenzene	50.00000	52.24871	3.60409	0.100	4.49741	0.000e+000	Linear
78 tert-Butylbenzene	50.00000	51.98002	4.25464	0.100	3.96004	0.000e+000	Linear
79 1,2,4-Trimethylbenzene	50.00000	52.39803	3.32094	0.100	4.79606	0.000e+000	Linear
80 sec-Butylbenzene	50.00000	53.33501	5.10957	0.100	6.67003	0.000e+000	Linear
81 1,3-Dichlorobenzene	1.72970	1.85436	1.85436	0.100	7.20686	20.00000	Averaged
83 p-Isopropyltoluene	50.00000	52.39905	4.57785	0.100	4.79810	0.000e+000	Linear

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

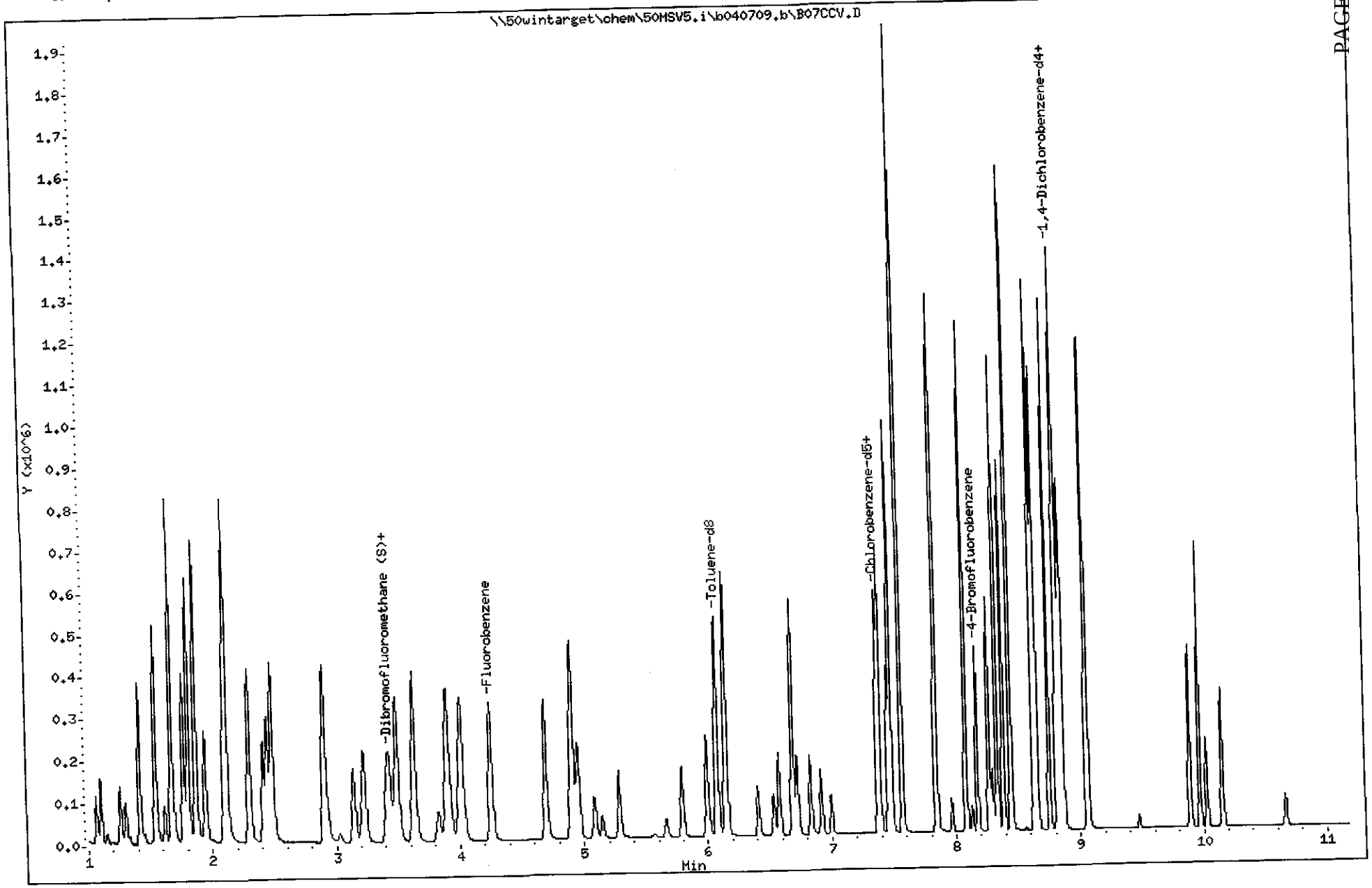
Instrument ID: 50MSV5.i Injection Date: 07-APR-2009 15:14
Lab File ID: B07CCV.D Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Analysis Type: WATER Init. Cal. Times: 13:24 17:41
Lab Sample ID: 50ppb Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.71141	1.81828	1.81828	0.100	6.24488	20.00000	Averaged
85 1,2-Dichlorobenzene	1.40323	1.51099	1.51099	0.100	7.67969	20.00000	Averaged
86 n-Butylbenzene	50.00000	53.36956	3.78128	0.100	6.73913	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	48.02165	0.03637	0.100	-3.95669	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	52.08515	0.88902	0.100	4.17030	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	51.96893	0.80473	0.100	3.93787	0.000e+000	Linear
90 Naphthalene	50.00000	49.69181	1.15828	0.100	-0.61638	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	52.39122	0.70782	0.100	4.78245	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	52.96282	0.31524	0.100	5.92564	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B07CCV.D
Date : 07-APR-2009 15:14
Client ID: 50ppb
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B07CCV.D

Date : 07-APR-2009 15:14

Client ID: 50ppb

Instrument: 50MSV5.i

Sample Info: 50ppb

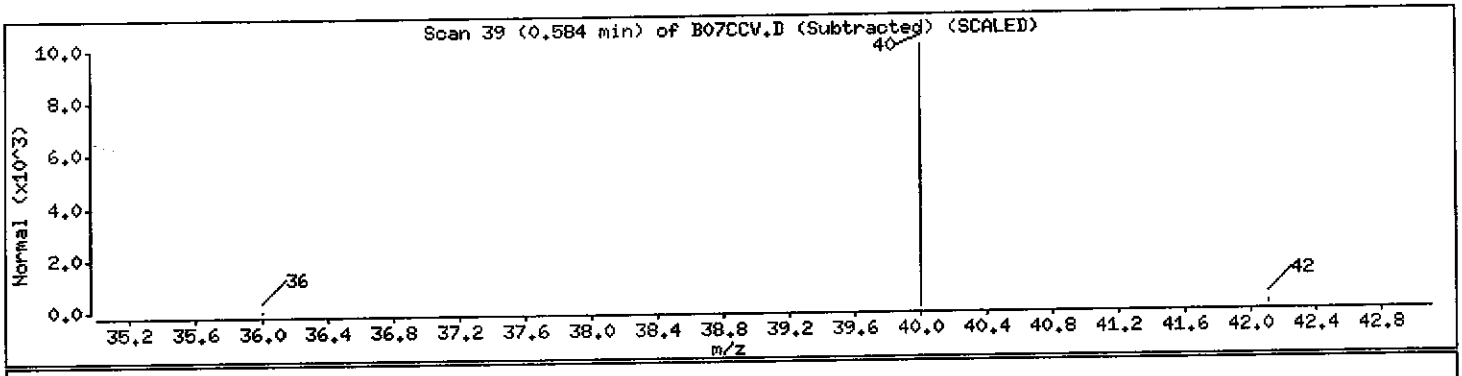
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B08.D
Lab Smp Id: 100ppb Client Smp ID: 100ppb
Inj Date : 07-APR-2009 15:50
Operator : ala Inst ID: 50MSV5.i
Smp Info : 100ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 18 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	0.970	0.970	(0.228)	223858	100.000	89.3
2 Chloromethane	50	1.065	1.065	(0.250)	210879	100.000	81.3
3 Vinyl Chloride	62	1.101	1.101	(0.259)	210936	100.000	90.0
4 Bromomethane	94	1.258	1.258	(0.296)	145855	100.000	95.8
139 Methyl Acetate	43	1.875	1.875	(0.441)	57257	100.000	82.2
5 Chloroethane	64	1.300	1.300	(0.306)	116405	100.000	82.9
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	440817	100.000	89.9
7 Diethyl ether	74	1.546	1.551	(0.363)	65241	100.000	127
8 Acrolein	56	1.619	1.614	(0.381)	119633	2000.00	1860
9 1,1-Dichloroethene	96	1.677	1.677	(0.394)	232738	100.000	108
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	273191	100.000	105
11 Acetone	43	1.697	1.692	(0.399)	123183	500.000	263
12 Iodomethane	142	1.771	1.771	(0.416)	846269	200.000	308
13 Carbon Disulfide	76	1.807	1.807	(0.425)	1274617	200.000	199
14 allyl chloride	41	1.870	1.870	(0.440)	712952	200.000	210
15 Methylene Chloride	84	1.943	1.943	(0.457)	183474	100.000	54.9
16 Acrylonitrile	53	2.095	2.095	(0.492)	504197	2000.00	1980
17 tert-Butyl Alcohol	59	1.546	1.546	(0.363)	103460	200.000	234
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.497)	254016	100.000	102
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.497)	602995	200.000	263
20 n-Hexane	57	2.304	2.299	(0.542)	369447	100.000	84.6
21 1,1-Dichloroethane	63	2.414	2.414	(0.567)	440507	100.000	100
23 Vinyl Acetate	43	2.451	2.451	(0.576)	831657	400.000	450

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.911	2.906	(0.684)	170853	100.000	127
25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.683)	239523	100.000	105
26 2-Butanone	43	2.932	2.932	(0.689)	199822	500.000	484
27 Propionitrile	54	2.989	2.995	(0.703)	10211	100.000	159(Q)
28 1,2-dichlorotrifluoroethane	67	1.541	1.541	(0.362)	297771	100.000	103
29 Bromochloromethane	49	3.141	3.141	(0.738)	150856	100.000	114
30 Tetrahydrofuran	42	3.209	3.204	(0.754)	45452	100.000	6.44
31 Chloroform	83	3.230	3.230	(0.759)	369454	100.000	103
$ 32 Dibromofluoromethane (S)	113	3.408	3.408	(0.801)	91945	50.0000	46.9
33 1,1,1-Trichloroethane	97	3.434	3.434	(0.807)	319987	100.000	168
35 Carbon Tetrachloride	117	3.627	3.627	(0.853)	289839	100.000	206
36 1,1-Dichloropropene	75	3.633	3.633	(0.854)	324563	100.000	128
37 Isobutyl alcohol	43	4.014	4.009	(0.943)	189236	100.000	134
140 Cyclohexane	56	3.491	3.491	(0.821)	421541	100.000	128
38 Benzene	78	3.899	3.899	(0.916)	816769	100.000	113
39 1,2-Dichloroethane	62	3.926	3.926	(0.923)	189055	100.000	107
138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	979652	100.000	131
141 Methylcyclohexane	55	4.909	4.909	(1.154)	359834	100.000	139
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	385307	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	254391	100.000	104
42 1,2-Dichloropropane	63	4.961	4.956	(1.166)	190346	100.000	110
43 Dibromomethane	93	5.087	5.087	(1.195)	79266	100.000	128
44 Methyl methacrylate	69	5.149	5.149	(1.210)	49082	100.000	190
45 Bromodichloromethane	83	5.285	5.285	(1.242)	221210	100.000	145
46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	45720	200.000	443
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	216088	100.000	172
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	376363	500.000	744
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	373337	50.0000	49.2
50 Toluene	91	6.148	6.148	(0.834)	947558	100.000	97.4
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	143317	100.000	200
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	105105	100.000	188
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	90464	100.000	136
54 Tetrachloroethene	166	6.692	6.692	(0.908)	360826	100.000	129
55 1,3-Dichloropropane	76	6.724	6.729	(0.912)	180613	100.000	124
56 2-Hexanone	43	6.834	6.834	(0.927)	235877	500.000	848
57 Dibromochloromethane	129	6.917	6.917	(0.938)	141206	100.000	149
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	108345	100.000	186
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	245828	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	592972	100.000	107
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	176109	100.000	204
62 Ethylbenzene	106	7.482	7.482	(1.015)	367798	100.000	123
63 m&p-Xylene	106	7.571	7.571	(1.027)	961222	200.000	249
65 o-Xylene	106	7.843	7.838	(1.064)	417423	100.000	129
66 Styrene	104	7.853	7.853	(1.065)	628204	100.000	132
67 Bromoform	173	7.968	7.968	(0.900)	59277	100.000	171
68 Isopropylbenzene	105	8.084	8.084	(1.096)	1147948	100.000	128
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	21648	100.000	152(Q)
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	100749	50.0000	49.7
71 Bromobenzene	77	8.267	8.267	(1.121)	272308	100.000	108
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	103053	100.000	112
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	91781	100.000	141
74 n-Propylbenzene	91	8.340	8.340	(0.942)	1315112	100.000	116
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	681510	100.000	107
76 4-Chlorotoluene	126	8.455	8.450	(0.955)	275364	100.000	116

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	926310	100.000	126
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	1096658	100.000	132
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	851073	100.000	121
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	1298620	100.000	125
81 1,3-Dichlorobenzene	146	8.816	8.816	(0.996)	467621	100.000	110
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	124677	50.0000	(Q)
83 p-Isopropyltoluene	119	8.831	8.831	(0.998)	1174520	100.000	131
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	453671	100.000	104
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	376605	100.000	108
86 n-Butylbenzene	91	9.056	9.056	(1.023)	965960	100.000	137
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	11106	100.000	188
88 1,2,4-Trichlorobenzene	180	9.888	9.888	(1.117)	232546	100.000	179
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	208708	100.000	130
90 Naphthalene	128	10.024	10.024	(1.132)	326542	100.000	183
91 1,2,3-Trichlorobenzene	180	10.150	10.150	(1.147)	184554	100.000	139
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	129481	100.000	165

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B08.D
Lab Smp Id: 100ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 100ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	385307	11.84
59 Chlorobenzene-d5	214804	107402	429608	245828	14.44
82 1,4-Dichlorobenze	110737	55369	221474	124677	12.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	89.3	
74-87-3	Chloromethane	81.3	
75-01-4	Vinyl Chloride	90.0	
74-83-9	Bromomethane	95.8	
79-20-9	Methyl Acetate	82.2	
75-00-3	Chloroethane	82.9	
75-69-4	Trichlorofluoromethane	89.9	
60-29-7	Diethyl ether	127	
107-02-8	Acrolein	1860	
75-35-4	1,1-Dichloroethene	108	
76-13-1	1,1,2trichlorotrifluoroethan	105	
67-64-1	Acetone	263	
	Iodomethane	308	
75-15-0	Carbon Disulfide	199	
107-05-1	allyl chloride	210	
75-09-2	Methylene Chloride	54.9	
107-13-1	Acrylonitrile	1980	
75-65-0	tert-Butyl Alcohol	234	
156-60-5	1,2-Dichloroethene (trans)	102	
1634-04-4	Methyl-tert-butyl ether	263	
	n-Hexane	84.6	
75-34-3	1,1-Dichloroethane	100	
108-05-4	Vinyl Acetate	450	
594-20-7	2,2-Dichloropropane	127	
156-59-2	1,2-Dichloroethene (cis)	105	
78-93-3	2-Butanone	484	
107-12-0	Propionitrile	159	
354-23-4	1,2-dichlorotrifluoroethane	103	
74-97-5	Bromochloromethane	114	
	Tetrahydrofuran	6.44	
67-66-3	Chloroform	103	
71-55-6	1,1,1-Trichloroethane	168	
56-23-5	Carbon Tetrachloride	206	
563-58-6	1,1-Dichloropropene	128	
78-83-1	Isobutyl alcohol	134	
110-82-7	Cyclohexane	128	
71-43-2	Benzene	113	
107-06-2	1,2-Dichloroethane	107	
540-84-1	2,2,4-Trimethylpentane	131	
108-82-7	Methylcyclohexane	139	
79-01-6	Trichloroethene	104	
78-87-5	1,2-Dichloropropane	110	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	128	
80-62-6	Methyl methacrylate	190	
75-27-4	Bromodichloromethane	145	
110-75-8	2-Chloroethyl vinyl ether	443	
10061-01-5	cis-1,3-Dichloropropene	172	
108-10-1	4-Methyl-2-Pentanone	744	
108-88-3	Toluene	97.4	
10061-02-6	trans-1,3-Dichloropropene	200	
	Ethyl Methacrylate	188	
79-00-5	1,1,2-Trichloroethane	136	
127-18-4	Tetrachloroethene	129	
142-28-9	1,3-Dichloropropane	124	
591-78-6	2-Hexanone	848	
124-48-1	Dibromochloromethane	149	
106-93-4	1,2-Dibromoethane	186	
108-90-7	Chlorobenzene	107	
630-20-6	1,1,1,2-Tetrachloroethane	204	
100-41-4	Ethylbenzene	123	
7816-60-0	m&p-Xylene	249	
95-47-6	o-Xylene	129	
100-42-5	Styrene	132	
75-25-2	Bromoform	171	
98-82-8	Isopropylbenzene	128	
	trans-1,4-Dichloro-2-butene	152	
108-86-1	Bromobenzene	108	
79-34-5	1,1,2,2-Tetrachloroethane	112	
96-18-4	1,2,3-Trichloropropane	141	
103-65-1	n-Propylbenzene	116	
95-49-8	2-Chlorotoluene	107	
106-43-4	4-Chlorotoluene	116	
108-67-8	1,3,5-Trimethylbenzene	126	
98-06-6	tert-Butylbenzene	132	
95-63-6	1,2,4-Trimethylbenzene	121	
135-98-8	sec-Butylbenzene	125	
541-73-1	1,3-Dichlorobenzene	110	
99-87-6	p-Isopropyltoluene	131	
106-46-7	1,4-Dichlorobenzene	104	
95-50-1	1,2-Dichlorobenzene	108	
104-51-8	n-Butylbenzene	137	
96-12-8	1,2-Dibromo-3-chloropropane	188	
120-82-1	1,2,4-Trichlorobenzene	179	
87-68-3	Hexachlorobutadiene	130	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

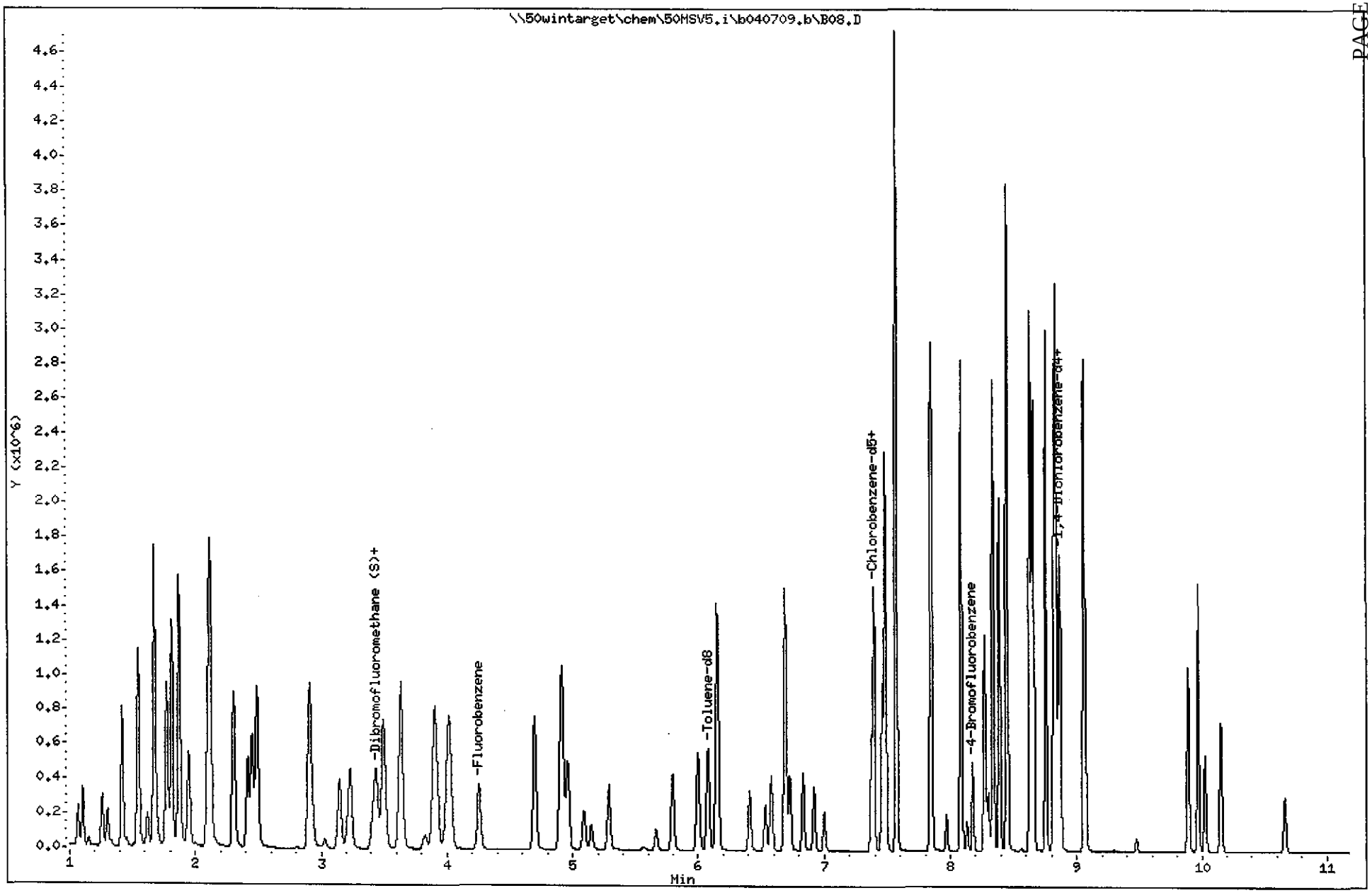
Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	183	
87-61-6	1,2,3-Trichlorobenzene	139	
	2,methyl-naphthalene	165	
1868-53-7	Dibromofluoromethane (S)	46.9	
2037-26-5	Toluene-d8	49.2	
460-00-4	4-Bromofluorobenzene	49.7	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B08.D
Date : 07-APR-2009 15:50
Client ID: 100ppb
Sample Info: 100ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B08.D

Date : 07-APR-2009 15:50

Client ID: 100ppb

Sample Info: 100ppb

Purge Volume: 5.0

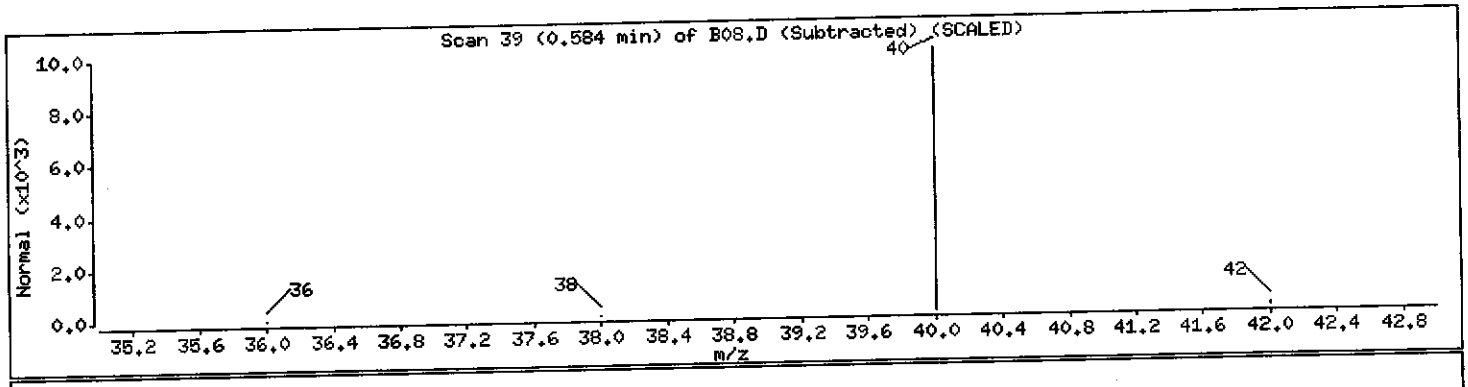
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
			0	0		0
Unknown						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B09.D
Lab Smp Id: 150ppb Client Smp ID: 150ppb
Inj Date : 07-APR-2009 16:27
Operator : ala Inst ID: 50MSV5.i
Smp Info : 150ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:50 Cal File: B08.D
Als bottle: 20 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	409559	150.000	154
2 Chloromethane	50	1.064	1.065	(0.250)	376662	150.000	139
3 Vinyl Chloride	62	1.101	1.101	(0.259)	374981	150.000	150
4 Bromomethane	94	1.258	1.258	(0.296)	265219	150.000	162
139 Methyl Acetate	43	1.875	1.875	(0.441)	79063	150.000	108
5 Chloroethane	64	1.300	1.300	(0.306)	210802	150.000	143
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	786268	150.000	151
7 Diethyl ether	74	1.546	1.551	(0.363)	95125	150.000	162
8 Acrolein	56	1.619	1.614	(0.381)	219569	3000.00	3190
9 1,1-Dichloroethene	96	1.676	1.677	(0.394)	323775	150.000	137
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	388610	150.000	136
11 Acetone	43	1.697	1.692	(0.399)	160807	750.000	349
12 Iodomethane	142	1.771	1.771	(0.416)	1218932	300.000	369
13 Carbon Disulfide	76	1.812	1.807	(0.426)	1788794	300.000	258
14 allyl chloride	41	1.870	1.870	(0.440)	964503	300.000	259
15 Methylene Chloride	84	1.943	1.943	(0.457)	258685	150.000	78.3
16 Acrylonitrile	53	2.095	2.095	(0.492)	704428	3000.00	2560
17 tert-Butyl Alcohol	59	1.546	1.546	(0.363)	148660	300.000	299
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.497)	357857	150.000	131
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.497)	904640	300.000	342
20 n-Hexane	57	2.299	2.299	(0.540)	512268	150.000	111
21 1,1-Dichloroethane	63	2.414	2.414	(0.567)	618299	150.000	129
23 Vinyl Acetate	43	2.450	2.451	(0.576)	1249560	600.000	607

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
24 2,2-Dichloropropane	77	2.911	2.906	(0.684)	281330	150.000	180
25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.683)	348022	150.000	139
26 2-Butanone	43	2.932	2.932	(0.689)	279357	750.000	627
27 Propionitrile	54	2.989	2.995	(0.703)	15362	150.000	184
28 1,2-dichlorotrifluoroethane	67	1.540	1.541	(0.362)	415961	150.000	132
29 Bromochloromethane	49	3.141	3.141	(0.738)	215767	150.000	146
30 Tetrahydrofuran	42	3.209	3.204	(0.754)	58076	150.000	9.31
31 Chloroform	83	3.230	3.230	(0.759)	530189	150.000	136
$ 32 Dibromofluoromethane (S)	113	3.408	3.408	(0.801)	101435	50.0000	48.2
33 1,1,1-Trichloroethane	97	3.434	3.434	(0.807)	480507	150.000	205
35 Carbon Tetrachloride	117	3.627	3.627	(0.853)	440924	150.000	238
36 1,1-Dichloropropene	75	3.633	3.633	(0.854)	468969	150.000	161
37 Isobutyl alcohol	43	4.009	4.009	(0.942)	271449	150.000	166
140 Cyclohexane	56	3.491	3.491	(0.821)	614418	150.000	162
38 Benzene	78	3.899	3.899	(0.916)	1171873	150.000	146
39 1,2-Dichloroethane	62	3.925	3.926	(0.923)	273520	150.000	141
138 2,2,4-Trimethylpentane	57	4.009	4.014	(0.942)	1428307	150.000	165
141 Methylcyclohexane	55	4.909	4.909	(1.154)	515025	150.000	170
* 40 Fluorobenzene	96	4.255	4.255	(1.000)	418475	50.0000	
41 Trichloroethene	95	4.694	4.694	(1.103)	363902	150.000	136
42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	274396	150.000	142
43 Dibromomethane	93	5.087	5.087	(1.195)	114538	150.000	161
44 Methyl methacrylate	69	5.149	5.149	(1.210)	74890	150.000	218
45 Bromodichloromethane	83	5.285	5.285	(1.242)	326735	150.000	181
46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	72960	300.000	503
47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	328175	150.000	206
48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	553139	750.000	925
$ 49 Toluene-d8	98	6.080	6.080	(0.825)	402313	50.0000	49.4
50 Toluene	91	6.148	6.148	(0.834)	1356254	150.000	130
51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	221493	150.000	230
52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	156249	150.000	213
53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	129790	150.000	169
54 Tetrachloroethene	166	6.692	6.692	(0.908)	456687	150.000	143
55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	255463	150.000	155
56 2-Hexanone	43	6.833	6.834	(0.927)	342452	750.000	1000
57 Dibromochloromethane	129	6.917	6.917	(0.938)	208957	150.000	182
58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	155695	150.000	212
* 59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	264754	50.0000	
60 Chlorobenzene	112	7.393	7.393	(1.003)	853794	150.000	141
61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	259781	150.000	231
62 Ethylbenzene	106	7.482	7.482	(1.015)	528355	150.000	157
63 m&p-Xylene	106	7.571	7.571	(1.027)	1401461	300.000	321
65 o-Xylene	106	7.843	7.838	(1.064)	618390	150.000	168
66 Styrene	104	7.853	7.853	(1.065)	926361	150.000	170
67 Bromoform	173	7.968	7.968	(0.900)	90069	150.000	204
68 Isopropylbenzene	105	8.083	8.084	(1.096)	1658806	150.000	163
69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	31125	150.000	180
$ 70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	109592	50.0000	50.3
71 Bromobenzene	77	8.267	8.267	(1.121)	393815	150.000	143
72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	152150	150.000	149
73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	130888	150.000	172
74 n-Propylbenzene	91	8.340	8.340	(0.942)	1891683	150.000	150
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	967242	150.000	139
76 4-Chlorotoluene	126	8.450	8.450	(0.955)	403945	150.000	153

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	1350784	150.000	162
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	1627778	150.000	171
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	1241189	150.000	157
80 sec-Butylbenzene	105	8.758	8.753	(0.989)	1871076	150.000	158
81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	676512	150.000	145
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	134735	50.0000	
83 p-Isopropyltoluene	119	8.831	8.831	(0.998)	1708662	150.000	166
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	658884	150.000	139
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	544411	150.000	142
86 n-Butylbenzene	91	9.051	9.056	(1.022)	1378542	150.000	168
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	16479	150.000	199
88 1,2,4-Trichlorobenzene	180	9.888	9.888	(1.117)	344179	150.000	212
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	305052	150.000	166
90 Naphthalene	128	10.024	10.024	(1.132)	484371	150.000	208
91 1,2,3-Trichlorobenzene	180	10.155	10.150	(1.147)	267542	150.000	170
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	220486	150.000	196

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B09.D
Report Date: 08-Apr-2009 12:15

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B09.D
Lab Smp Id: 150ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 150ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	418475	21.46
59 Chlorobenzene-d5	214804	107402	429608	264754	23.25
82 1,4-Dichlorobenze	110737	55369	221474	134735	21.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	-0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	154	
74-87-3	Chloromethane	139	
75-01-4	Vinyl Chloride	150	
74-83-9	Bromomethane	162	
79-20-9	Methyl Acetate	108	
75-00-3	Chloroethane	143	
75-69-4	Trichlorofluoromethane	151	
60-29-7	Diethyl ether	162	
107-02-8	Acrolein	3190	
75-35-4	1,1-Dichloroethene	137	
76-13-1	1,1,2trichlorotrifluoroethan	136	
67-64-1	Acetone	349	
	Iodomethane	369	
75-15-0	Carbon Disulfide	258	
107-05-1	allyl chloride	259	
75-09-2	Methylene Chloride	78.3	
107-13-1	Acrylonitrile	2560	
75-65-0	tert-Butyl Alcohol	299	
156-60-5	1,2-Dichloroethene (trans)	131	
1634-04-4	Methyl-tert-butyl ether	342	
	n-Hexane	111	
75-34-3	1,1-Dichloroethane	129	
108-05-4	Vinyl Acetate	607	
594-20-7	2,2-Dichloropropane	180	
156-59-2	1,2-Dichloroethene (cis)	139	
78-93-3	2-Butanone	627	
107-12-0	Propionitrile	184	
354-23-4	1,2-dichlorotrifluoroethane	132	
74-97-5	Bromochloromethane	146	
	Tetrahydrofuran	9.31	
67-66-3	Chloroform	136	
71-55-6	1,1,1-Trichloroethane	205	
56-23-5	Carbon Tetrachloride	238	
563-58-6	1,1-Dichloropropene	161	
78-83-1	Isobutyl alcohol	166	
110-82-7	Cyclohexane	162	
71-43-2	Benzene	146	
107-06-2	1,2-Dichloroethane	141	
540-84-1	2,2,4-Trimethylpentane	165	
108-82-7	Methylcyclohexane	170	
79-01-6	Trichloroethene	136	
78-87-5	1,2-Dichloropropane	142	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	161	
80-62-6	Methyl methacrylate	218	
75-27-4	Bromodichloromethane	181	
110-75-8	2-Chloroethyl vinyl ether	503	
10061-01-5	cis-1,3-Dichloropropene	206	
108-10-1	4-Methyl-2-Pentanone	925	
108-88-3	Toluene	130	
10061-02-6	trans-1,3-Dichloropropene	230	
	Ethyl Methacrylate	213	
79-00-5	1,1,2-Trichloroethane	169	
127-18-4	Tetrachloroethene	143	
142-28-9	1,3-Dichloropropane	155	
591-78-6	2-Hexanone	1000	
124-48-1	Dibromochloromethane	182	
106-93-4	1,2-Dibromoethane	212	
108-90-7	Chlorobenzene	141	
630-20-6	1,1,1,2-Tetrachloroethane	231	
100-41-4	Ethylbenzene	157	
7816-60-0	m&p-Xylene	321	
95-47-6	o-Xylene	168	
100-42-5	Styrene	170	
75-25-2	Bromoform	204	
98-82-8	Isopropylbenzene	163	
	trans-1,4-Dichloro-2-butene	180	
108-86-1	Bromobenzene	143	
79-34-5	1,1,2,2-Tetrachloroethane	149	
96-18-4	1,2,3-Trichloropropane	172	
103-65-1	n-Propylbenzene	150	
95-49-8	2-Chlorotoluene	139	
106-43-4	4-Chlorotoluene	153	
108-67-8	1,3,5-Trimethylbenzene	162	
98-06-6	tert-Butylbenzene	171	
95-63-6	1,2,4-Trimethylbenzene	157	
135-98-8	sec-Butylbenzene	158	
541-73-1	1,3-Dichlorobenzene	145	
99-87-6	p-Isopropyltoluene	166	
106-46-7	1,4-Dichlorobenzene	139	
95-50-1	1,2-Dichlorobenzene	142	
104-51-8	n-Butylbenzene	168	
96-12-8	1,2-Dibromo-3-chloropropane	199	
120-82-1	1,2,4-Trichlorobenzene	212	
87-68-3	Hexachlorobutadiene	166	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

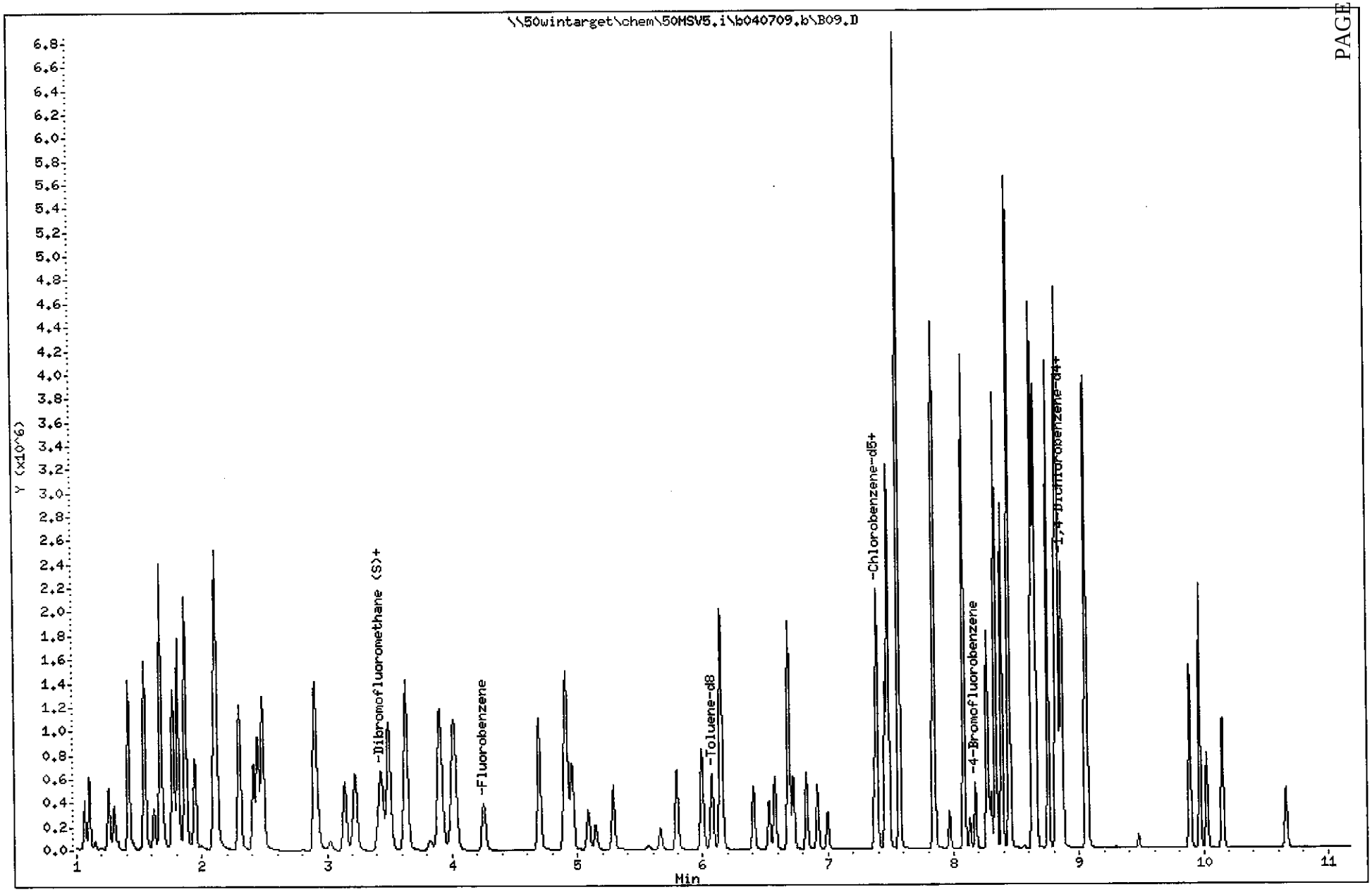
Client Name:
Lab Smp Id: 150ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 150ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	208	
87-61-6	1,2,3-Trichlorobenzene	170	
	2,methyl-naphthalene	196	
1868-53-7	Dibromofluoromethane (S)	48.2	
2037-26-5	Toluene-d8	49.4	
460-00-4	4-Bromofluorobenzene	50.3	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B09.D
Date : 07-APR-2009 16:27
Client ID: 150ppb
Sample Info: 150ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B09.D

Date : 07-APR-2009 16:27

Client ID: 150ppb

Instrument: 50MSV5.i

Sample Info: 150ppb

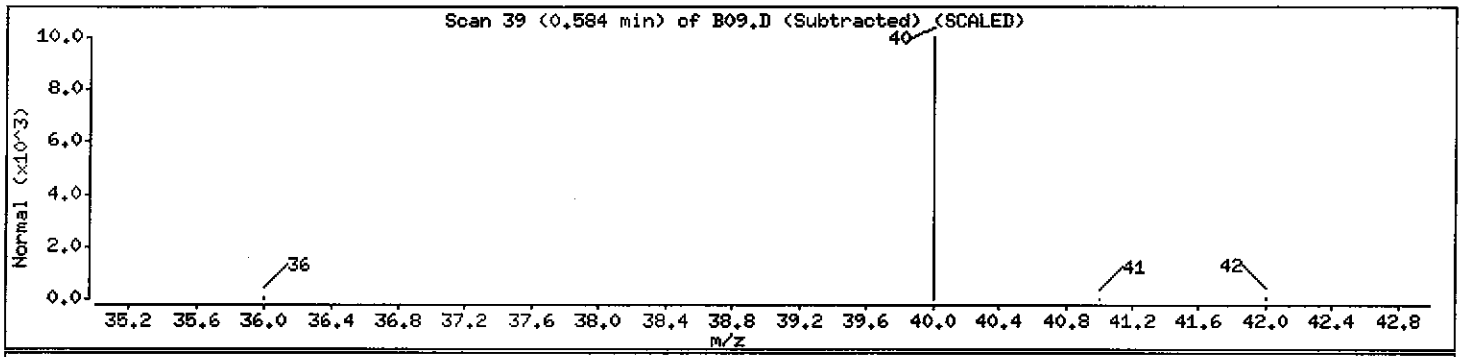
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B10.D
Lab Smp Id: 200ppb
Client Smp ID: 200ppb
Inj Date : 07-APR-2009 17:04
Operator : ala
Inst ID: 50MSV5.i
Smp Info : 200ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison
Quant Type: ISTD
Cal Date : 07-APR-2009 16:27
Cal File: B09.D
Als bottle: 22
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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	620147	200.000	215
2 Chloromethane	50	1.059	1.065	(0.249)	561541	200.000	194
3 Vinyl Chloride	62	1.101	1.101	(0.259)	551776	200.000	205
4 Bromomethane	94	1.258	1.258	(0.296)	396570	200.000	221
139 Methyl Acetate	43	1.875	1.875	(0.441)	102403	200.000	136
5 Chloroethane	64	1.300	1.300	(0.306)	311335	200.000	197
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	1138396	200.000	202
7 Diethyl ether	74	1.546	1.551	(0.363)	126958	200.000	198
8 Acrolein	56	1.614	1.614	(0.379)	321785	4000.00	4290
9 1,1-Dichloroethene	96	1.671	1.677	(0.393)	432517	200.000	172
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	510919	200.000	169
11 Acetone	43	1.697	1.692	(0.399)	215390	1000.00	476
12 Iodomethane	142	1.771	1.771	(0.416)	1600801	400.000	432
13 Carbon Disulfide	76	1.807	1.807	(0.425)	2342123	400.000	320
14 allyl chloride	41	1.870	1.870	(0.440)	1291820	400.000	328
15 Methylene Chloride	84	1.943	1.943	(0.457)	341332	200.000	104
16 Acrylonitrile	53	2.095	2.095	(0.492)	932590	4000.00	3210
17 tert-Butyl Alcohol	59	1.546	1.546	(0.363)	198269	400.000	370
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.497)	474105	200.000	165
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.497)	1239423	400.000	424
20 n-Hexane	57	2.304	2.299	(0.542)	681502	200.000	144
21 1,1-Dichloroethane	63	2.409	2.414	(0.566)	819261	200.000	162
23 Vinyl Acetate	43	2.445	2.451	(0.575)	1625279	800.000	730

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.906	2.906	(0.683)	424500	200.000	242
	25 1,2-Dichloroethene (cis)	96	2.906	2.906	(0.683)	474205	200.000	178
	26 2-Butanone	43	2.932	2.932	(0.689)	384247	1000.00	821
	27 Propionitrile	54	2.989	2.995	(0.703)	20296	200.000	213
	28 1,2-dichlorotrifluoroethane	67	1.541	1.541	(0.362)	546088	200.000	164
	29 Bromochloromethane	49	3.141	3.141	(0.738)	290668	200.000	183
	30 Tetrahydrofuran	42	3.209	3.204	(0.754)	72126	200.000	12.7
	31 Chloroform	83	3.225	3.230	(0.758)	722524	200.000	174
$	32 Dibromofluoromethane (S)	113	3.408	3.408	(0.801)	108283	50.0000	48.0
	33 1,1,1-Trichloroethane	97	3.429	3.434	(0.806)	670050	200.000	249
	35 Carbon Tetrachloride	117	3.627	3.627	(0.853)	621913	200.000	284
	36 1,1-Dichloropropene	75	3.633	3.633	(0.854)	640619	200.000	201
	37 Isobutyl alcohol	43	4.014	4.009	(0.943)	373101	200.000	207
	140 Cyclohexane	56	3.491	3.491	(0.821)	834613	200.000	202
	38 Benzene	78	3.899	3.899	(0.916)	1599093	200.000	185
	39 1,2-Dichloroethane	62	3.926	3.926	(0.923)	373414	200.000	180
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	1951207	200.000	206
	141 Methylcyclohexane	55	4.909	4.909	(1.154)	706156	200.000	211
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	451649	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.103)	498054	200.000	175
	42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	381175	200.000	185
	43 Dibromomethane	93	5.087	5.087	(1.195)	155149	200.000	200
	44 Methyl methacrylate	69	5.149	5.149	(1.210)	106033	200.000	262
	45 Bromodichloromethane	83	5.285	5.285	(1.242)	448356	200.000	223
	46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	107898	400.000	619
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	458981	200.000	253
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	754000	1000.00	1150
$	49 Toluene-d8	98	6.080	6.080	(0.825)	425738	50.0000	49.5
	50 Toluene	91	6.148	6.148	(0.834)	1851761	200.000	172
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	320985	200.000	284
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	218366	200.000	259
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	175759	200.000	212
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	671101	200.000	200
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	346566	200.000	198
	56 2-Hexanone	43	6.834	6.834	(0.927)	474382	1000.00	1240
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	286953	200.000	227
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	215418	200.000	259
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	280331	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	1168747	200.000	184
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	372279	200.000	287
	62 Ethylbenzene	106	7.482	7.482	(1.015)	731747	200.000	203
	63 m&p-Xylene	106	7.571	7.571	(1.027)	1971437	400.000	422
	65 o-Xylene	106	7.843	7.838	(1.064)	858006	200.000	215
	66 Styrene	104	7.853	7.853	(1.065)	1285967	200.000	218
	67 Bromoform	173	7.969	7.968	(0.900)	125004	200.000	245
	68 Isopropylbenzene	105	8.084	8.084	(1.096)	2296155	200.000	210
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	44026	200.000	231
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	115561	50.0000	50.0
	71 Bromobenzene	77	8.267	8.267	(1.121)	531748	200.000	184
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	202611	200.000	185
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	182440	200.000	217
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	2573441	200.000	189
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	1322707	200.000	178
	76 4-Chlorotoluene	126	8.450	8.450	(0.955)	567968	200.000	199

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	1926478	200.000	212
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	2276508	200.000	217
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	1739577	200.000	203
80 sec-Butylbenzene	105	8.758	8.753	(0.989)	2592310	200.000	202
81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	960119	200.000	192
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	145101	50.0000	
83 p-Isopropyltoluene	119	8.837	8.831	(0.998)	2443684	200.000	217
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	914417	200.000	181
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	763472	200.000	186
86 n-Butylbenzene	91	9.051	9.056	(1.022)	1949076	200.000	217
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	23972	200.000	249
88 1,2,4-Trichlorobenzene	180	9.888	9.888	(1.117)	482267	200.000	258
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	432794	200.000	215
90 Naphthalene	128	10.024	10.024	(1.132)	674181	200.000	249
91 1,2,3-Trichlorobenzene	180	10.155	10.150	(1.147)	375933	200.000	216
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	339588	200.000	254

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B10.D
Lab Smp Id: 200ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 200ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	451649	31.09
59 Chlorobenzene-d5	214804	107402	429608	280331	30.51
82 1,4-Dichlorobenze	110737	55369	221474	145101	31.03

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	0.00
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	215	
74-87-3	Chloromethane	194	
75-01-4	Vinyl Chloride	205	
74-83-9	Bromomethane	221	
79-20-9	Methyl Acetate	136	
75-00-3	Chloroethane	197	
75-69-4	Trichlorofluoromethane	202	
60-29-7	Diethyl ether	198	
107-02-8	Acrolein	4290	
75-35-4	1,1-Dichloroethene	172	
76-13-1	1,1,2trichlorotrifluoroethan	169	
67-64-1	Acetone	476	
	Iodomethane	432	
75-15-0	Carbon Disulfide	320	
107-05-1	allyl chloride	328	
75-09-2	Methylene Chloride	104	
107-13-1	Acrylonitrile	3210	
75-65-0	tert-Butyl Alcohol	370	
156-60-5	1,2-Dichloroethene (trans)	165	
1634-04-4	Methyl-tert-butyl ether	424	
	n-Hexane	144	
75-34-3	1,1-Dichloroethane	162	
108-05-4	Vinyl Acetate	730	
594-20-7	2,2-Dichloropropane	242	
156-59-2	1,2-Dichloroethene (cis)	178	
78-93-3	2-Butanone	821	
107-12-0	Propionitrile	213	
354-23-4	1,2-dichlorotrifluoroethane	164	
74-97-5	Bromochloromethane	183	
	Tetrahydrofuran	12.7	
67-66-3	Chloroform	174	
71-55-6	1,1,1-Trichloroethane	249	
56-23-5	Carbon Tetrachloride	284	
563-58-6	1,1-Dichloropropene	201	
78-83-1	Isobutyl alcohol	207	
110-82-7	Cyclohexane	202	
71-43-2	Benzene	185	
107-06-2	1,2-Dichloroethane	180	
540-84-1	2,2,4-Trimethylpentane	206	
108-82-7	Methylcyclohexane	211	
79-01-6	Trichloroethene	175	
78-87-5	1,2-Dichloropropane	185	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	200	
80-62-6	Methyl methacrylate	262	
75-27-4	Bromodichloromethane	223	
110-75-8	2-Chloroethyl vinyl ether	619	
10061-01-5	cis-1,3-Dichloropropene	253	
108-10-1	4-Methyl-2-Pentanone	1150	
108-88-3	Toluene	172	
10061-02-6	trans-1,3-Dichloropropene	284	
	Ethyl Methacrylate	259	
79-00-5	1,1,2-Trichloroethane	212	
127-18-4	Tetrachloroethene	200	
142-28-9	1,3-Dichloropropane	198	
591-78-6	2-Hexanone	1240	
124-48-1	Dibromochloromethane	227	
106-93-4	1,2-Dibromoethane	259	
108-90-7	Chlorobenzene	184	
630-20-6	1,1,1,2-Tetrachloroethane	287	
100-41-4	Ethylbenzene	203	
7816-60-0	m&p-Xylene	422	
95-47-6	o-Xylene	215	
100-42-5	Styrene	218	
75-25-2	Bromoform	245	
98-82-8	Isopropylbenzene	210	
	trans-1,4-Dichloro-2-butene	231	
108-86-1	Bromobenzene	184	
79-34-5	1,1,2,2-Tetrachloroethane	185	
96-18-4	1,2,3-Trichloropropane	217	
103-65-1	n-Propylbenzene	189	
95-49-8	2-Chlorotoluene	178	
106-43-4	4-Chlorotoluene	199	
108-67-8	1,3,5-Trimethylbenzene	212	
98-06-6	tert-Butylbenzene	217	
95-63-6	1,2,4-Trimethylbenzene	203	
135-98-8	sec-Butylbenzene	202	
541-73-1	1,3-Dichlorobenzene	192	
99-87-6	p-Isopropyltoluene	217	
106-46-7	1,4-Dichlorobenzene	181	
95-50-1	1,2-Dichlorobenzene	186	
104-51-8	n-Butylbenzene	217	
96-12-8	1,2-Dibromo-3-chloropropane	249	
120-82-1	1,2,4-Trichlorobenzene	258	
87-68-3	Hexachlorobutadiene	215	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

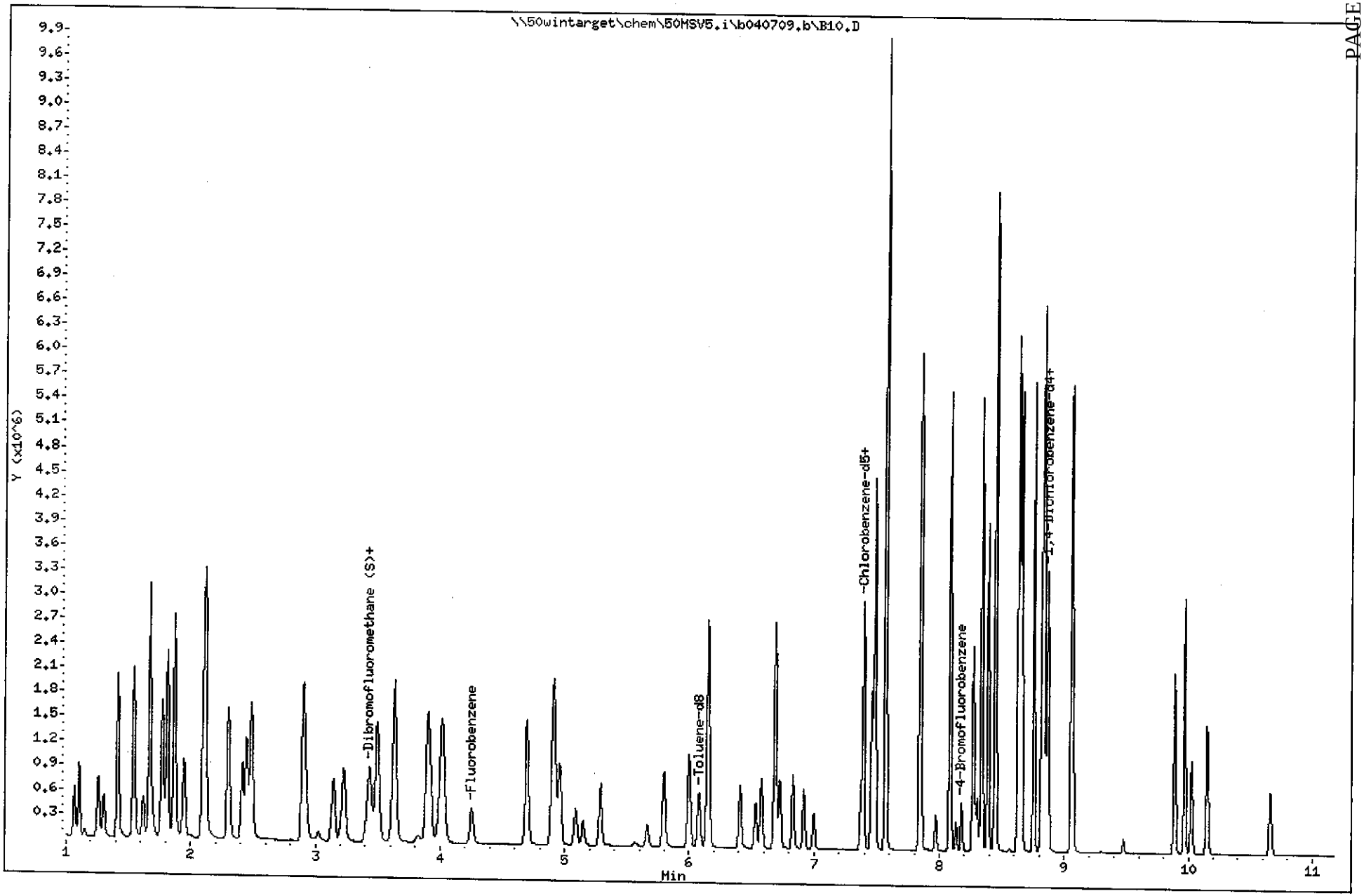
Client SDG: b040709.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	249	
87-61-6	1,2,3-Trichlorobenzene	216	
	2,methyl-naphthalene	254	
1868-53-7	Dibromofluoromethane (S)	48.0	
2037-26-5	Toluene-d8	49.5	
460-00-4	4-Bromofluorobenzene	50.0	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B10.D
Date : 07-APR-2009 17:04
Client ID: 200ppb
Sample Info: 200ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B10.D

Date : 07-APR-2009 17:04

Client ID: 200ppb

Instrument: 50MSV5.i

Sample Info: 200ppb

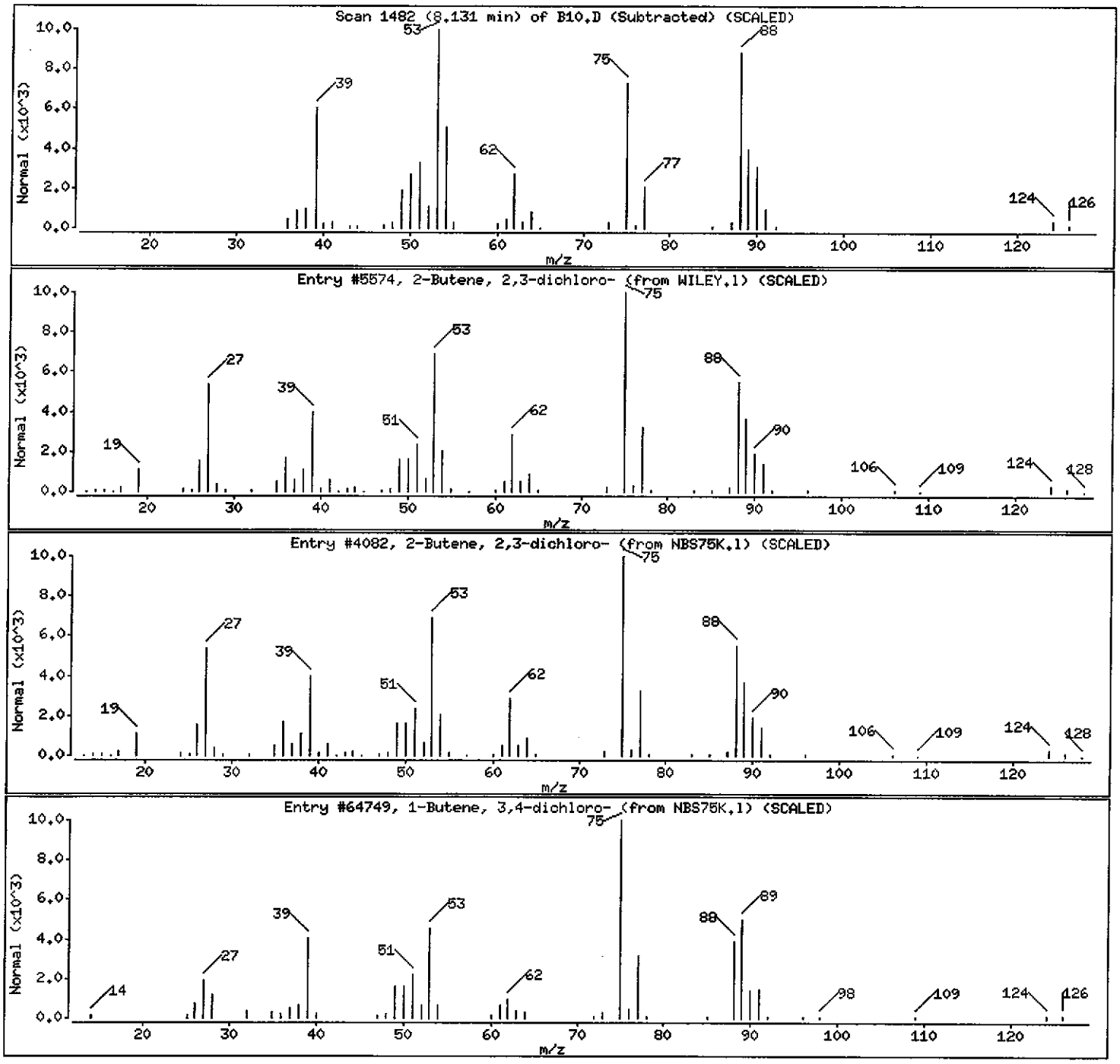
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	58	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	58	C4H6Cl2	124
1-Butene, 3,4-dichloro-	760-23-6	NBS75K.l	64749	46	C4H6Cl2	124



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B11.D
Lab Smp Id: 300ppb Client Smp ID: 300ppb
Inj Date : 07-APR-2009 17:41
Operator : ala Inst ID: 50MSV5.i
Smp Info : 300ppb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:13 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 16:27 Cal File: B09.D
Als bottle: 24 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.970	0.970	(0.228)	942311	300.000	295
2 Chloromethane	50	1.059	1.065	(0.249)	855590	300.000	272
3 Vinyl Chloride	62	1.101	1.101	(0.259)	831781	300.000	282
4 Bromomethane	94	1.253	1.258	(0.295)	585924	300.000	294
139 Methyl Acetate	43	1.875	1.875	(0.441)	180635	300.000	230
5 Chloroethane	64	1.295	1.300	(0.305)	454237	300.000	264
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	1707550	300.000	277
7 Diethyl ether	74	1.546	1.551	(0.364)	217401	300.000	310
8 Acrolein	56	1.614	1.614	(0.380)	480724	6000.00	5800
9 1,1-Dichloroethene	96	1.671	1.677	(0.393)	737030	300.000	273
10 1,1,2trichlorotrifluoroethane	101	1.666	1.666	(0.392)	866903	300.000	268
11 Acetone	43	1.692	1.692	(0.398)	362720	1500.00	792
12 Iodomethane	142	1.765	1.771	(0.415)	2681155	600.000	655
13 Carbon Disulfide	76	1.807	1.807	(0.425)	3957623	600.000	510
14 allyl chloride	41	1.870	1.870	(0.440)	2146023	600.000	512
15 Methylene Chloride	84	1.943	1.943	(0.457)	589689	300.000	176
16 Acrylonitrile	53	2.095	2.095	(0.493)	1563517	6000.00	5070
17 tert-Butyl Alcohol	59	1.546	1.546	(0.364)	332970	600.000	574
18 1,2-Dichloroethene (trans)	96	2.111	2.116	(0.497)	807254	300.000	263
19 Methyl-tert-butyl ether	73	2.116	2.116	(0.498)	2183890	600.000	678
20 n-Hexane	57	2.299	2.299	(0.541)	1150789	300.000	231
21 1,1-Dichloroethane	63	2.409	2.414	(0.567)	1395491	300.000	260
23 Vinyl Acetate	43	2.445	2.451	(0.575)	2728916	1200.00	1140

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 2,2-Dichloropropane	77	2.906	2.906	(0.684)	883210	300.000	445
	25 1,2-Dichloroethene (cis)	96	2.900	2.906	(0.683)	864737	300.000	302
	26 2-Butanone	43	2.932	2.932	(0.690)	657887	1500.00	1320
	27 Propionitrile	54	2.989	2.995	(0.703)	36213	300.000	343
	28 1,2-dichlorotrifluoroethane	67	1.541	1.541	(0.363)	912723	300.000	257
	29 Bromochloromethane	49	3.141	3.141	(0.739)	512992	300.000	298
	30 Tetrahydrofuran	42	3.209	3.204	(0.755)	109783	300.000	20.4
	31 Chloroform	83	3.225	3.230	(0.759)	1301690	300.000	292
$	32 Dibromofluoromethane (S)	113	3.408	3.408	(0.802)	120268	50.0000	49.0
	33 1,1,1-Trichloroethane	97	3.429	3.434	(0.807)	1258948	300.000	414
	35 Carbon Tetrachloride	117	3.627	3.627	(0.854)	1195618	300.000	471
	36 1,1-Dichloropropene	75	3.627	3.633	(0.854)	1153585	300.000	331
	37 Isobutyl alcohol	43	4.014	4.009	(0.945)	661529	300.000	335
	140 Cyclohexane	56	3.491	3.491	(0.822)	1498541	300.000	330
	38 Benzene	78	3.899	3.899	(0.918)	2862916	300.000	307
	39 1,2-Dichloroethane	62	3.926	3.926	(0.924)	677762	300.000	303
	138 2,2,4-Trimethylpentane	57	4.009	4.014	(0.943)	3502246	300.000	336
	141 Methylcyclohexane	55	4.909	4.909	(1.155)	1282343	300.000	348
*	40 Fluorobenzene	96	4.250	4.255	(1.000)	493837	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.105)	896150	300.000	293
	42 1,2-Dichloropropane	63	4.956	4.956	(1.166)	687171	300.000	309
	43 Dibromomethane	93	5.087	5.087	(1.197)	276489	300.000	325
	44 Methyl methacrylate	69	5.149	5.149	(1.212)	195220	300.000	420
	45 Bromodichloromethane	83	5.285	5.285	(1.244)	817773	300.000	365
	46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	209237	600.000	1010
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	856383	300.000	414
	48 4-Methyl-2-Pentanone	43	5.997	5.997	(0.813)	1349039	1500.00	1840
$	49 Toluene-d8	98	6.080	6.080	(0.825)	461350	50.0000	49.2
	50 Toluene	91	6.154	6.148	(0.835)	3336601	300.000	289
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	619968	300.000	470
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	395405	300.000	410
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	311858	300.000	342
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	1286021	300.000	352
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	620918	300.000	325
	56 2-Hexanone	43	6.834	6.834	(0.927)	844502	1500.00	1960
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	536774	300.000	380
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	384138	300.000	406
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	306031	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	2100365	300.000	306
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	710378	300.000	472
	62 Ethylbenzene	106	7.482	7.482	(1.015)	1345878	300.000	342
	63 m&p-Xylene	106	7.571	7.571	(1.027)	3745426	600.000	728
	65 o-Xylene	106	7.843	7.838	(1.064)	1649405	300.000	375
	66 Styrene	104	7.853	7.853	(1.065)	2470438	300.000	378
	67 Bromoform	173	7.969	7.968	(0.900)	243725	300.000	393
	68 Isopropylbenzene	105	8.084	8.084	(1.096)	4223552	300.000	351
	69 trans-1,4-Dichloro-2-butene	53	8.309	8.308	(1.127)	85196	300.000	399
$	70 4-Bromofluorobenzene	95	8.178	8.178	(1.109)	123522	50.0000	49.0
	71 Bromobenzene	77	8.267	8.267	(1.121)	982215	300.000	314
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.934)	369684	300.000	291
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	329624	300.000	330
	74 n-Propylbenzene	91	8.340	8.340	(0.942)	4774081	300.000	302
	75 2-Chlorotoluene	91	8.387	8.387	(0.947)	2419758	300.000	283
	76 4-Chlorotoluene	126	8.455	8.450	(0.955)	1138488	300.000	341

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
77 1,3,5-Trimethylbenzene	105	8.445	8.444	(0.953)	3827394	300.000	356
78 tert-Butylbenzene	119	8.633	8.633	(0.975)	4464458	300.000	358
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	3414345	300.000	338
80 sec-Butylbenzene	105	8.758	8.753	(0.989)	4862961	300.000	322
81 1,3-Dichlorobenzene	146	8.821	8.816	(0.996)	1869984	300.000	320
* 82 1,4-Dichlorobenzene-d4	152	8.858	8.852	(1.000)	170155	50.0000	(Q)
83 p-Isopropyltoluene	119	8.837	8.831	(0.998)	4762655	300.000	356
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.001)	1706015	300.000	292
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.024)	1469628	300.000	309
86 n-Butylbenzene	91	9.056	9.056	(1.022)	3734219	300.000	350
87 1,2-Dibromo-3-chloropropane	155	9.475	9.475	(1.070)	43475	300.000	367
88 1,2,4-Trichlorobenzene	180	9.888	9.888	(1.116)	874081	300.000	383
89 Hexachlorobutadiene	225	9.972	9.966	(1.126)	856912	300.000	359
90 Naphthalene	128	10.024	10.024	(1.132)	1213911	300.000	368
91 1,2,3-Trichlorobenzene	180	10.155	10.150	(1.146)	677767	300.000	328
92 2,methyl-naphthalene	142	10.662	10.662	(1.204)	667248	300.000	399

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B11.D
Lab Smp Id: 300ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: 300ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	493837	43.34
59 Chlorobenzene-d5	214804	107402	429608	306031	42.47
82 1,4-Dichlorobenze	110737	55369	221474	170155	53.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.25	-0.12
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.86	0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	295	
74-87-3	Chloromethane	272	
75-01-4	Vinyl Chloride	282	
74-83-9	Bromomethane	294	
79-20-9	Methyl Acetate	230	
75-00-3	Chloroethane	264	
75-69-4	Trichlorofluoromethane	277	
60-29-7	Diethyl ether	310	
107-02-8	Acrolein	5800	
75-35-4	1,1-Dichloroethene	273	
76-13-1	1,1,2trichlorotrifluoroethan	268	
67-64-1	Acetone	792	
	Iodomethane	655	
75-15-0	Carbon Disulfide	510	
107-05-1	allyl chloride	512	
75-09-2	Methylene Chloride	176	
107-13-1	Acrylonitrile	5070	
75-65-0	tert-Butyl Alcohol	574	
156-60-5	1,2-Dichloroethene (trans)	263	
1634-04-4	Methyl-tert-butyl ether	678	
	n-Hexane	231	
75-34-3	1,1-Dichloroethane	260	
108-05-4	Vinyl Acetate	1140	
594-20-7	2,2-Dichloropropane	445	
156-59-2	1,2-Dichloroethene (cis)	302	
78-93-3	2-Butanone	1320	
107-12-0	Propionitrile	343	
354-23-4	1,2-dichlorotrifluoroethane	257	
74-97-5	Bromochloromethane	298	
	Tetrahydrofuran	20.4	
67-66-3	Chloroform	292	
71-55-6	1,1,1-Trichloroethane	414	
56-23-5	Carbon Tetrachloride	471	
563-58-6	1,1-Dichloropropene	331	
78-83-1	Isobutyl alcohol	335	
110-82-7	Cyclohexane	330	
71-43-2	Benzene	307	
107-06-2	1,2-Dichloroethane	303	
540-84-1	2,2,4-Trimethylpentane	336	
108-82-7	Methylcyclohexane	348	
79-01-6	Trichloroethene	293	
78-87-5	1,2-Dichloropropane	309	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	325	
80-62-6	Methyl methacrylate	420	
75-27-4	Bromodichloromethane	365	
110-75-8	2-Chloroethyl vinyl ether	1010	
10061-01-5	cis-1,3-Dichloropropene	414	
108-10-1	4-Methyl-2-Pentanone	1840	
108-88-3	Toluene	289	
10061-02-6	trans-1,3-Dichloropropene	470	
	Ethyl Methacrylate	410	
79-00-5	1,1,2-Trichloroethane	342	
127-18-4	Tetrachloroethene	352	
142-28-9	1,3-Dichloropropane	325	
591-78-6	2-Hexanone	1960	
124-48-1	Dibromochloromethane	380	
106-93-4	1,2-Dibromoethane	406	
108-90-7	Chlorobenzene	306	
630-20-6	1,1,1,2-Tetrachloroethane	472	
100-41-4	Ethylbenzene	342	
7816-60-0	m&p-Xylene	728	
95-47-6	o-Xylene	375	
100-42-5	Styrene	378	
75-25-2	Bromoform	393	
98-82-8	Isopropylbenzene	351	
	trans-1,4-Dichloro-2-butene	399	
108-86-1	Bromobenzene	314	
79-34-5	1,1,2,2-Tetrachloroethane	291	
96-18-4	1,2,3-Trichloropropane	330	
103-65-1	n-Propylbenzene	302	
95-49-8	2-Chlorotoluene	283	
106-43-4	4-Chlorotoluene	341	
108-67-8	1,3,5-Trimethylbenzene	356	
98-06-6	tert-Butylbenzene	358	
95-63-6	1,2,4-Trimethylbenzene	338	
135-98-8	sec-Butylbenzene	322	
541-73-1	1,3-Dichlorobenzene	320	
99-87-6	p-Isopropyltoluene	356	
106-46-7	1,4-Dichlorobenzene	292	
95-50-1	1,2-Dichlorobenzene	309	
104-51-8	n-Butylbenzene	350	
96-12-8	1,2-Dibromo-3-chloropropane	367	
120-82-1	1,2,4-Trichlorobenzene	383	
87-68-3	Hexachlorobutadiene	359	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

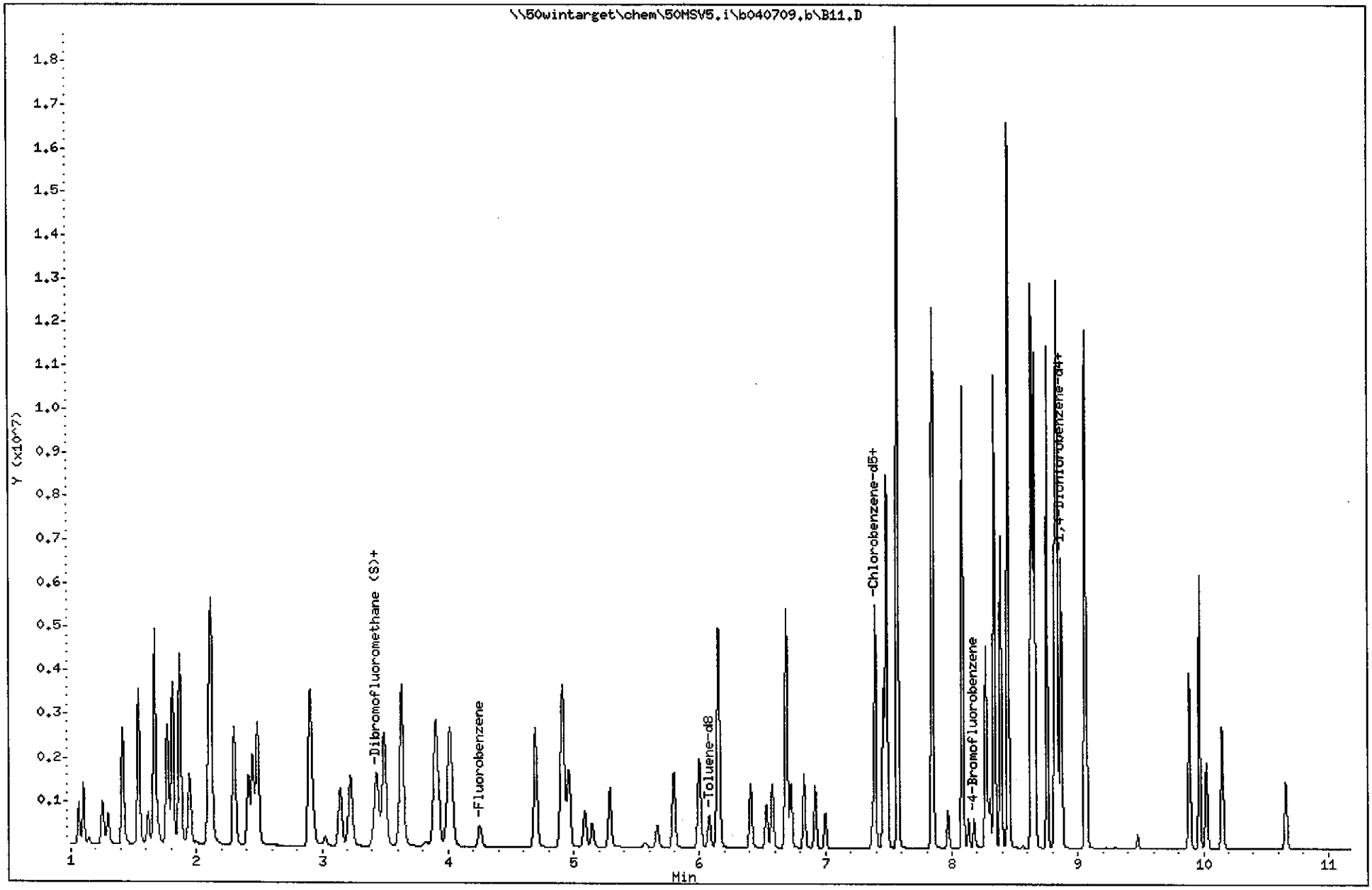
Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	368	
87-61-6	1,2,3-Trichlorobenzene	328	
	2,methyl-naphthalene	399	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	49.2	
460-00-4	4-Bromofluorobenzene	49.0	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B11.D
Date : 07-APR-2009 17:41
Client ID: 300ppb
Sample Info: 300ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B11.D

Date : 07-APR-2009 17:41

Client ID: 300ppb

Instrument: 50MSV5.i

Sample Info: 300ppb

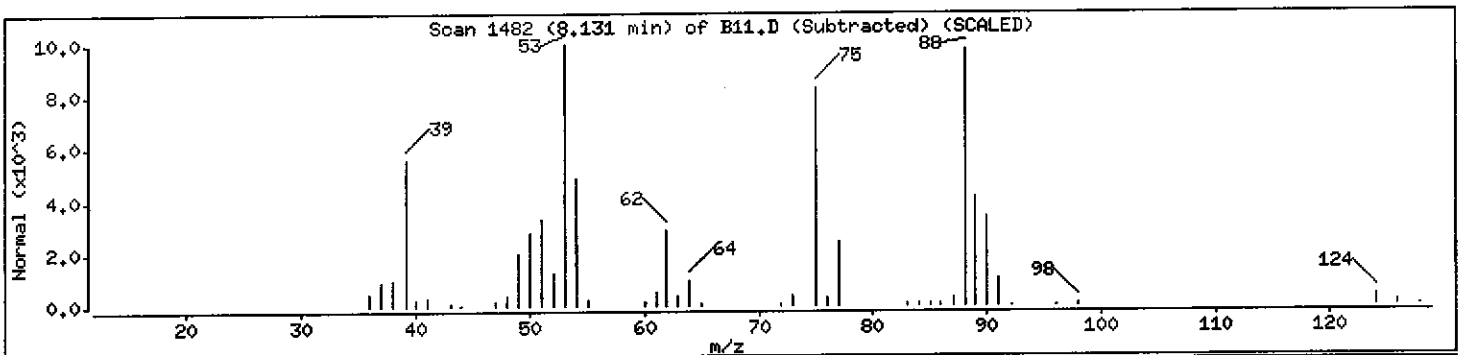
Purge Volume: 5.0

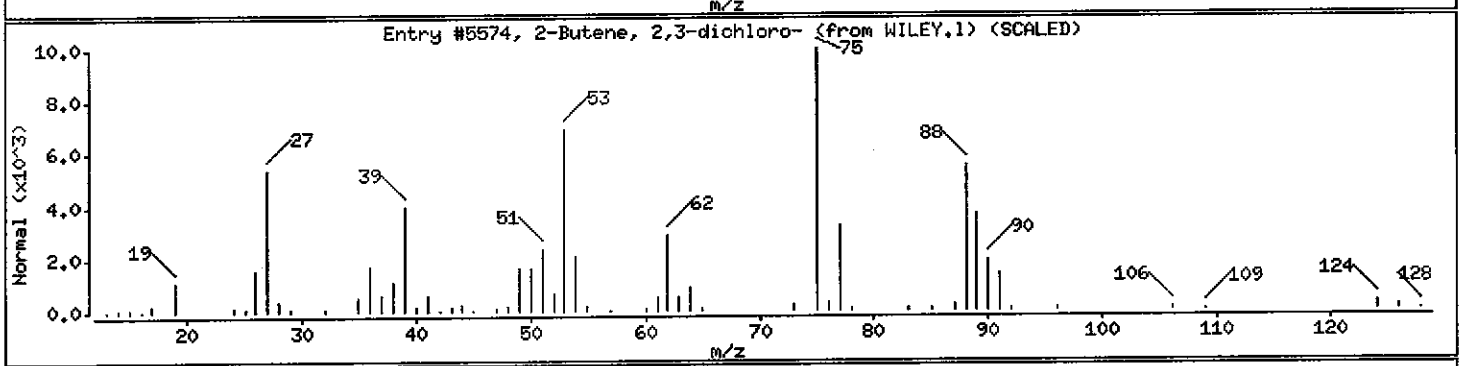
Operator: ala

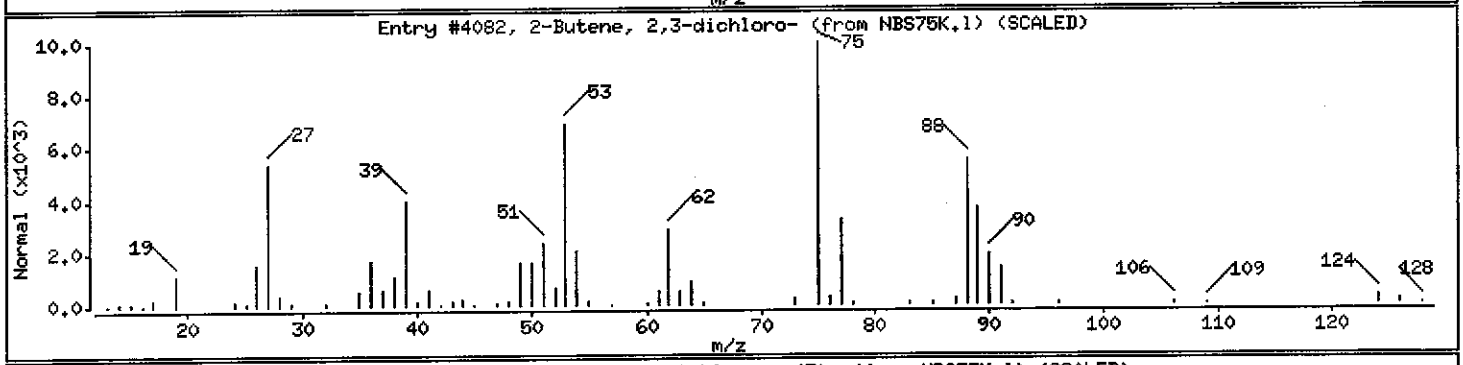
Column phase: DB-624

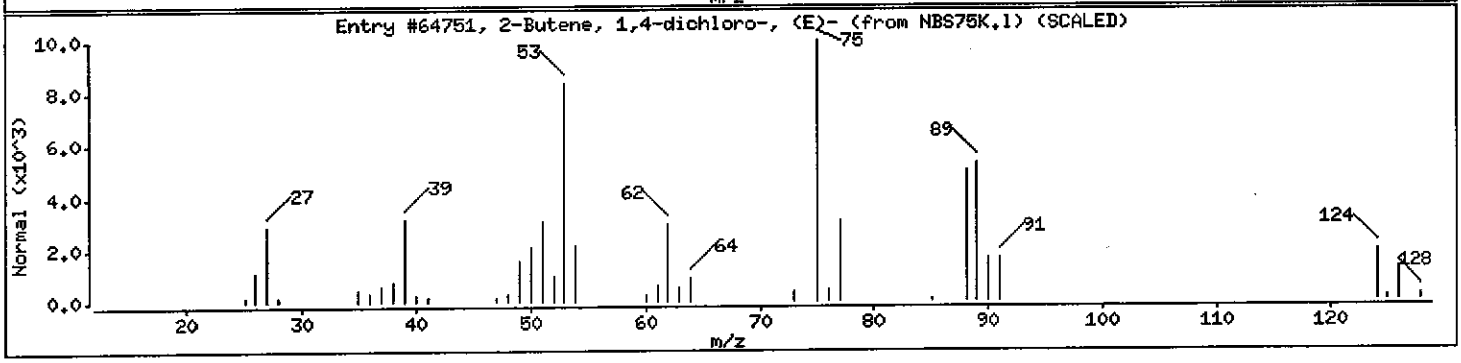
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Butene, 2,3-dichloro-	4279-21-4	WILEY.l	5574	64	C4H6Cl2	124
2-Butene, 2,3-dichloro-	4279-21-4	NBS75K.l	4082	64	C4H6Cl2	124
2-Butene, 1,4-dichloro-, (E)-	110-57-6	NBS75K.l	64751	56	C4H6Cl2	124









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b040709.b\B12ICV.D
Lab Smp Id: icv Client Smp ID: icv
Inj Date : 07-APR-2009 18:17
Operator : ala Inst ID: 50MSV5.i
Smp Info : icv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Meth Date : 08-Apr-2009 12:23 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 17:41 Cal File: B11.D
Als bottle: 26 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	0.970	0.970	(0.228)	183490	58.1043	58.1
2 Chloromethane	50	1.064	1.065	(0.250)	169365	54.9021	54.9
3 Vinyl Chloride	62	1.106	1.101	(0.260)	155358	52.9116	52.9
4 Bromomethane	94	1.258	1.258	(0.296)	103481	52.5447	52.5
139 Methyl Acetate	43	1.875	1.875	(0.441)	49401	77.1318	77.1(R)
5 Chloroethane	64	1.300	1.300	(0.306)	84075	50.0035	50.0
6 Trichlorofluoromethane	101	1.415	1.415	(0.333)	290541	47.9325	47.9
7 Diethyl ether	74	1.551	1.551	(0.365)	35977	46.8058	46.8
8 Acrolein	56	1.619	1.614	(0.381)	169533	2070.74	2070(R)
9 1,1-Dichloroethene	96	1.676	1.677	(0.394)	122048	45.1026	45.1
10 1,1,2trichlorotrifluoroethane	101	1.671	1.666	(0.393)	153701	47.9341	47.9
11 Acetone	43	1.697	1.692	(0.399)	112289	424.024	424(R)
12 Iodomethane	142	1.770	1.771	(0.416)	425410	88.4771	88.5
13 Carbon Disulfide	76	1.812	1.807	(0.426)	627705	83.0549	83.0
142 Acetonitrile	41	1.870	1.870	(0.440)	351082		(Q)
14 allyl chloride	41	1.870	1.870	(0.440)	351082	86.0780	86.1
15 Methylene Chloride	84	1.943	1.943	(0.457)	103138	46.1349	46.1
16 Acrylonitrile	53	2.095	2.095	(0.492)	262937	876.807	877
17 tert-Butyl Alcohol	59	1.551	1.546	(0.365)	56787	93.5943	93.6
18 1,2-Dichloroethene (trans)	96	2.116	2.116	(0.497)	135142	45.0925	45.1
19 Methyl-tert-butyl ether	73	2.121	2.116	(0.499)	334187	94.5296	94.5
20 n-Hexane	57	2.304	2.299	(0.542)	222071	52.1191	52.1
21 1,1-Dichloroethane	63	2.414	2.414	(0.567)	212951	40.6812	40.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.450	2.451	(0.576)	331158	139.908	140(R)
	143 Chloroprene	53	2.487	2.487	(0.585)	177350		(Q)
	24 2,2-Dichloropropane	77	2.911	2.906	(0.684)	99393	51.5130	51.5
	25 1,2-Dichloroethene (cis)	96	2.905	2.906	(0.683)	131198	46.1389	46.1
	26 2-Butanone	43	2.931	2.932	(0.689)	151033	310.220	310
	144 Methacrylonitrile	41	3.146	3.141	(0.739)	25616		(Q)
	28 1,2-dichlorotrifluoroethane	67	1.545	1.541	(0.363)	162263	46.7530	46.8
	29 Bromochloromethane	49	3.141	3.141	(0.738)	84605	47.9578	48.0
	30 Tetrahydrofuran	42	3.203	3.204	(0.753)	42192	54.1611	54.2
	31 Chloroform	83	3.230	3.230	(0.759)	199940	45.4060	45.4
$	32 Dibromofluoromethane (S)	113	3.407	3.408	(0.801)	115606	47.6527	47.6
	33 1,1,1-Trichloroethane	97	3.434	3.434	(0.807)	170290	46.8039	46.8
	35 Carbon Tetrachloride	117	3.632	3.627	(0.854)	146103	45.2296	45.2
	36 1,1-Dichloropropene	75	3.632	3.633	(0.854)	178101	47.1311	47.1
	37 Isobutyl alcohol	43	4.045	4.009	(0.951)	483192	224.020	224(Q)
	140 Cyclohexane	56	3.491	3.491	(0.821)	243379	49.3823	49.4
	38 Benzene	78	3.899	3.899	(0.916)	458368	49.3664	49.4
	39 1,2-Dichloroethane	62	3.925	3.926	(0.923)	106628	48.0178	48.0
	138 2,2,4-Trimethylpentane	57	4.014	4.014	(0.943)	518657	45.4837	45.5
	141 Methylcyclohexane	55	4.908	4.909	(1.154)	190605	46.1206	46.1
*	40 Fluorobenzene	96	4.255	4.255	(1.000)	489758	50.0000	
	41 Trichloroethene	95	4.694	4.694	(1.103)	141611	46.8529	46.8
	42 1,2-Dichloropropane	63	4.956	4.956	(1.165)	108048	48.8278	48.8
	43 Dibromomethane	93	5.086	5.087	(1.195)	44316	47.7109	47.7
	44 Methyl methacrylate	69	5.149	5.149	(1.210)	25330	46.9366	46.9
	45 Bromodichloromethane	83	5.290	5.285	(1.243)	113812	44.5339	44.5
	46 2-Chloroethyl vinyl ether	63	5.662	5.662	(0.768)	7798	52.4624	52.5
	145 1,4-Dioxane	88	5.149	5.139	(1.210)	7932		(Q)
	47 cis-1,3-Dichloropropene	75	5.798	5.798	(0.786)	109550	48.4915	48.5
	48 4-Methyl-2-Pentanone	43	5.996	5.997	(0.813)	196806	236.683	237
$	49 Toluene-d8	98	6.080	6.080	(0.825)	451373	49.9592	50.0
	50 Toluene	91	6.148	6.148	(0.834)	507188	45.7552	45.8
	51 trans-1,3-Dichloropropene	75	6.410	6.410	(0.869)	67301	47.4470	47.4
	52 Ethyl Methacrylate	69	6.535	6.535	(0.886)	52654	48.0842	48.1
	53 1,1,2-Trichloroethane	83	6.577	6.577	(0.892)	50376	50.2280	50.2
	54 Tetrachloroethene	166	6.692	6.692	(0.908)	159394	43.8581	43.8
	55 1,3-Dichloropropane	76	6.729	6.729	(0.913)	96979	48.6636	48.7
	56 2-Hexanone	43	6.833	6.834	(0.927)	162885	313.938	314
	57 Dibromochloromethane	129	6.917	6.917	(0.938)	69688	46.9313	46.9
	58 1,2-Dibromoethane	107	7.001	7.001	(0.950)	56078	47.8161	47.8
*	59 Chlorobenzene-d5	117	7.372	7.372	(1.000)	295326	50.0000	
	60 Chlorobenzene	112	7.393	7.393	(1.003)	322116	48.5501	48.6
	61 1,1,1,2-Tetrachloroethane	131	7.461	7.461	(1.012)	82490	44.5216	44.5
	62 Ethylbenzene	106	7.482	7.482	(1.015)	194945	47.8376	47.8
	63 m&p-Xylene	106	7.571	7.571	(1.027)	493190	93.0090	93.0
	65 o-Xylene	106	7.843	7.838	(1.064)	222493	47.7444	47.7
	66 Styrene	104	7.853	7.853	(1.065)	316124	45.6194	45.6
	67 Bromoform	173	7.968	7.968	(0.900)	26098	43.7665	43.8
	68 Isopropylbenzene	105	8.083	8.084	(1.096)	607614	47.6962	47.7
	69 trans-1,4-Dichloro-2-butene	53	8.308	8.308	(1.127)	9693	44.9781	45.0(Q)
$	70 4-Bromofluorobenzene	95	8.177	8.178	(1.109)	124052	51.1044	51.1
	71 Bromobenzene	77	8.266	8.267	(1.121)	146634	48.3208	48.3
	72 1,1,2,2-Tetrachloroethane	83	8.277	8.277	(0.935)	52544	48.6148	48.6
	73 1,2,3-Trichloropropane	75	8.298	8.298	(0.937)	43372	44.4132	44.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.340	8.340	(0.942)	695279	49.2378	49.2
75 2-Chlorotoluene	91	8.387	8.387	(0.947)	362626	50.0165	50.0
76 4-Chlorotoluene	126	8.449	8.450	(0.955)	141616	47.5662	47.6
77 1,3,5-Trimethylbenzene	105	8.444	8.444	(0.954)	423331	42.7947	42.8
78 tert-Butylbenzene	119	8.632	8.633	(0.975)	526499	44.6077	44.6
79 1,2,4-Trimethylbenzene	105	8.659	8.659	(0.978)	402449	43.9540	44.0
80 sec-Butylbenzene	105	8.753	8.753	(0.989)	681767	48.8979	48.9
81 1,3-Dichlorobenzene	146	8.815	8.816	(0.996)	247119	49.1811	49.2
* 82 1,4-Dichlorobenzene-d4	152	8.852	8.852	(1.000)	145247	50.0000	(Q)
83 p-Isopropyltoluene	119	8.831	8.831	(0.998)	540570	43.0013	43.0
84 1,4-Dichlorobenzene	146	8.868	8.868	(1.002)	222572	44.7693	44.8
85 1,2-Dichlorobenzene	146	9.072	9.072	(1.025)	201496	49.4311	49.4
86 n-Butylbenzene	91	9.056	9.056	(1.023)	437259	42.6160	42.6
87 1,2-Dibromo-3-chloropropane	155	9.474	9.475	(1.070)	4945	45.3353	45.3
88 1,2,4-Trichlorobenzene	180	9.888	9.888	(1.117)	110091	44.4260	44.4
89 Hexachlorobutadiene	225	9.971	9.966	(1.126)	98097	44.0609	44.1
90 Naphthalene	128	10.024	10.024	(1.132)	140041	41.6000	41.6
91 1,2,3-Trichlorobenzene	180	10.149	10.150	(1.147)	91078	46.2916	46.3
92 2,methyl-naphthalene	142	10.657	10.662	(1.204)	44191	52.1962	52.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B12ICV.D
Lab Smp Id: icv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Calibration Date: 07-APR-2009
Calibration Time: 19:31
Client Smp ID: icv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	489758	42.15
59 Chlorobenzene-d5	214804	107402	429608	295326	37.49
82 1,4-Dichlorobenze	110737	55369	221474	145247	31.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.26	-0.01
59 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: icv
Level: LOW
Data Type: MS DATA
SpikeList File: 8260ICV.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b040709.b\B8260.m
Misc Info:

Client SDG: b040709.b
Fraction: VOA
Client Smp ID: icv
Operator: ala
SampleType: ICV
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	58.1	116.21	70-130
2 Chloromethane	50.0	54.9	109.80	70-130
3 Vinyl Chloride	50.0	52.9	105.82	70-130
4 Bromomethane	50.0	52.5	105.09	70-130
5 Chloroethane	50.0	50.0	100.01	70-130
6 Trichlorofluoromet	50.0	47.9	95.87	70-130
28 1,2-dichlorotriflu	50.0	46.8	93.51	70-130
7 Diethyl ether	50.0	46.8	93.61	70-130
8 Acrolein	1000	2070	207.07*	70-130
9 1,1-Dichloroethene	50.0	45.1	90.21	70-130
10 1,1,2trichlorotrif	50.0	47.9	95.87	70-130
11 Acetone	250	424	169.61*	70-130
12 Iodomethane	100	88.5	88.48	70-130
13 Carbon Disulfide	100	83.0	83.05	70-130
139 Methyl Acetate	50.0	77.1	154.26*	70-130
14 allyl chloride	100	86.1	86.08	70-130
15 Methylene Chloride	50.0	46.1	92.27	70-130
16 Acrylonitrile	1000	877	87.68	70-130
17 tert-Butyl Alcohol	100	93.6	93.59	70-130
18 1,2-Dichloroethene	50.0	45.1	90.19	70-130
19 Methyl-tert-butyl	100	94.5	94.53	70-130
20 n-Hexane	50.0	52.1	104.24	70-130
21 1,1-Dichloroethane	50.0	40.7	81.36	70-130
23 Vinyl Acetate	200	140	69.95*	70-130
25 1,2-Dichloroethene	50.0	46.1	92.28	70-130
24 2,2-Dichloropropan	50.0	51.5	103.03	70-130
26 2-Butanone	250	310	124.09	70-130
29 Bromochloromethane	50.0	48.0	95.92	70-130
31 Chloroform	50.0	45.4	90.81	70-130
33 1,1,1-Trichloroeth	50.0	46.8	93.61	70-130
140 Cyclohexane	50.0	49.4	98.76	70-130
36 1,1-Dichloropropen	50.0	47.1	94.26	70-130
35 Carbon Tetrachlori	50.0	45.2	90.46	70-130
38 Benzene	50.0	49.4	98.73	70-130
39 1,2-Dichloroethane	50.0	48.0	96.04	70-130
41 Trichloroethene	50.0	46.8	93.71	70-130
141 Methylcyclohexane	50.0	46.1	92.24	70-130
42 1,2-Dichloropropan	50.0	48.8	97.66	70-130
43 Dibromomethane	50.0	47.7	95.42	70-130
44 Methyl methacrylat	50.0	46.9	93.87	70-130

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
45 Bromodichlorometha	50.0	44.5	89.07	70-130
47 cis-1,3-Dichloropr	50.0	48.5	96.98	70-130
48 4-Methyl-2-Pentano	250	237	94.67	70-130
50 Toluene	50.0	45.8	91.51	70-130
51 trans-1,3-Dichloro	50.0	47.4	94.89	70-130
52 Ethyl Methacrylate	50.0	48.1	96.17	70-130
53 1,1,2-Trichloroeth	50.0	50.2	100.46	70-130
54 Tetrachloroethene	50.0	43.8	87.72	70-130
55 1,3-Dichloropropan	50.0	48.7	97.33	70-130
56 2-Hexanone	250	314	125.58	70-130
57 Dibromochlorometha	50.0	46.9	93.86	70-130
58 1,2-Dibromoethane	50.0	47.8	95.63	70-130
60 Chlorobenzene	50.0	48.6	97.10	70-130
61 1,1,1,2-Tetrachlor	50.0	44.5	89.04	70-130
62 Ethylbenzene	50.0	47.8	95.68	70-130
63 m&p-Xylene	100	93.0	93.01	70-130
65 o-Xylene	50.0	47.7	95.49	70-130
66 Styrene	50.0	45.6	91.24	70-130
67 Bromoform	50.0	43.8	87.53	70-130
68 Isopropylbenzene	50.0	47.7	95.39	70-130
69 trans-1,4-Dichloro	50.0	45.0	89.96	70-130
72 1,1,2,2-Tetrachlor	50.0	48.6	97.23	70-130
71 Bromobenzene	50.0	48.3	96.64	70-130
73 1,2,3-Trichloropro	50.0	44.4	88.83	70-130
74 n-Propylbenzene	50.0	49.2	98.48	70-130
75 2-Chlorotoluene	50.0	50.0	100.03	70-130
76 4-Chlorotoluene	50.0	47.6	95.13	70-130
77 1,3,5-Trimethylben	50.0	42.8	85.59	70-130
78 tert-Butylbenzene	50.0	44.6	89.22	70-130
79 1,2,4-Trimethylben	50.0	44.0	87.91	70-130
80 sec-Butylbenzene	50.0	48.9	97.80	70-130
81 1,3-Dichlorobenzen	50.0	49.2	98.36	70-130
83 p-Isopropyltoluene	50.0	43.0	86.00	70-130
84 1,4-Dichlorobenzen	50.0	44.8	89.54	70-130
86 n-Butylbenzene	50.0	42.6	85.23	70-130
85 1,2-Dichlorobenzen	50.0	49.4	98.86	70-130
88 1,2,4-Trichloroben	50.0	44.4	88.85	70-130
91 1,2,3-Trichloroben	50.0	46.3	92.58	70-130
87 1,2-Dibromo-3-chlo	50.0	45.3	90.67	70-130
89 Hexachlorobutadien	50.0	44.1	88.12	70-130
90 Naphthalene	50.0	41.6	83.20	70-130

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	47.6	95.31	80-123
$ 49 Toluene-d8	50.0	50.0	99.92	80-116
$ 70 4-Bromofluorobenze	50.0	51.1	102.21	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	58.1	
74-87-3	Chloromethane	54.9	
75-01-4	Vinyl Chloride	52.9	
74-83-9	Bromomethane	52.5	
79-20-9	Methyl Acetate	77.1	
75-00-3	Chloroethane	50.0	
75-69-4	Trichlorofluoromethane	47.9	
60-29-7	Diethyl ether	46.8	
107-02-8	Acrolein	2070	
75-35-4	1,1-Dichloroethene	45.1	
76-13-1	1,1,2trichlorotrifluoroethan	47.9	
67-64-1	Acetone	424	
	Iodomethane	88.5	
75-15-0	Carbon Disulfide	83.0	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	86.1	
75-09-2	Methylene Chloride	46.1	
107-13-1	Acrylonitrile	877	
75-65-0	tert-Butyl Alcohol	93.6	
156-60-5	1,2-Dichloroethene (trans)	45.1	
1634-04-4	Methyl-tert-butyl ether	94.5	
	n-Hexane	52.1	
75-34-3	1,1-Dichloroethane	40.7	
108-05-4	Vinyl Acetate	140	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	51.5	
156-59-2	1,2-Dichloroethene (cis)	46.1	
78-93-3	2-Butanone	310	
126-98-7	Methacrylonitrile	0.000	
354-23-4	1,2-dichlorotrifluoroethane	46.8	
74-97-5	Bromochloromethane	48.0	
	Tetrahydrofuran	54.2	
67-66-3	Chloroform	45.4	
71-55-6	1,1,1-Trichloroethane	46.8	
56-23-5	Carbon Tetrachloride	45.2	
563-58-6	1,1-Dichloropropene	47.1	
78-83-1	Isobutyl alcohol	224	
110-82-7	Cyclohexane	49.4	
71-43-2	Benzene	49.4	
107-06-2	1,2-Dichloroethane	48.0	
540-84-1	2,2,4-Trimethylpentane	45.5	
108-82-7	Methylcyclohexane	46.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	46.8	
78-87-5	1,2-Dichloropropane	48.8	
74-95-3	Dibromomethane	47.7	
80-62-6	Methyl methacrylate	46.9	
75-27-4	Bromodichloromethane	44.5	
110-75-8	2-Chloroethyl vinyl ether	52.5	
	1,4-Dioxane	0.000	
10061-01-5	cis-1,3-Dichloropropene	48.5	
108-10-1	4-Methyl-2-Pentanone	237	
108-88-3	Toluene	45.8	
10061-02-6	trans-1,3-Dichloropropene	47.4	
	Ethyl Methacrylate	48.1	
79-00-5	1,1,2-Trichloroethane	50.2	
127-18-4	Tetrachloroethene	43.8	
142-28-9	1,3-Dichloropropane	48.7	
591-78-6	2-Hexanone	314	
124-48-1	Dibromochloromethane	46.9	
106-93-4	1,2-Dibromoethane	47.8	
108-90-7	Chlorobenzene	48.6	
630-20-6	1,1,1,2-Tetrachloroethane	44.5	
100-41-4	Ethylbenzene	47.8	
7816-60-0	m&p-Xylene	93.0	
95-47-6	o-Xylene	47.7	
100-42-5	Styrene	45.6	
75-25-2	Bromoform	43.8	
98-82-8	Isopropylbenzene	47.7	
	trans-1,4-Dichloro-2-butene	45.0	
108-86-1	Bromobenzene	48.3	
79-34-5	1,1,2,2-Tetrachloroethane	48.6	
96-18-4	1,2,3-Trichloropropane	44.4	
103-65-1	n-Propylbenzene	49.2	
95-49-8	2-Chlorotoluene	50.0	
106-43-4	4-Chlorotoluene	47.6	
108-67-8	1,3,5-Trimethylbenzene	42.8	
98-06-6	tert-Butylbenzene	44.6	
95-63-6	1,2,4-Trimethylbenzene	44.0	
135-98-8	sec-Butylbenzene	48.9	
541-73-1	1,3-Dichlorobenzene	49.2	
99-87-6	p-Isopropyltoluene	43.0	
106-46-7	1,4-Dichlorobenzene	44.8	
95-50-1	1,2-Dichlorobenzene	49.4	
104-51-8	n-Butylbenzene	42.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

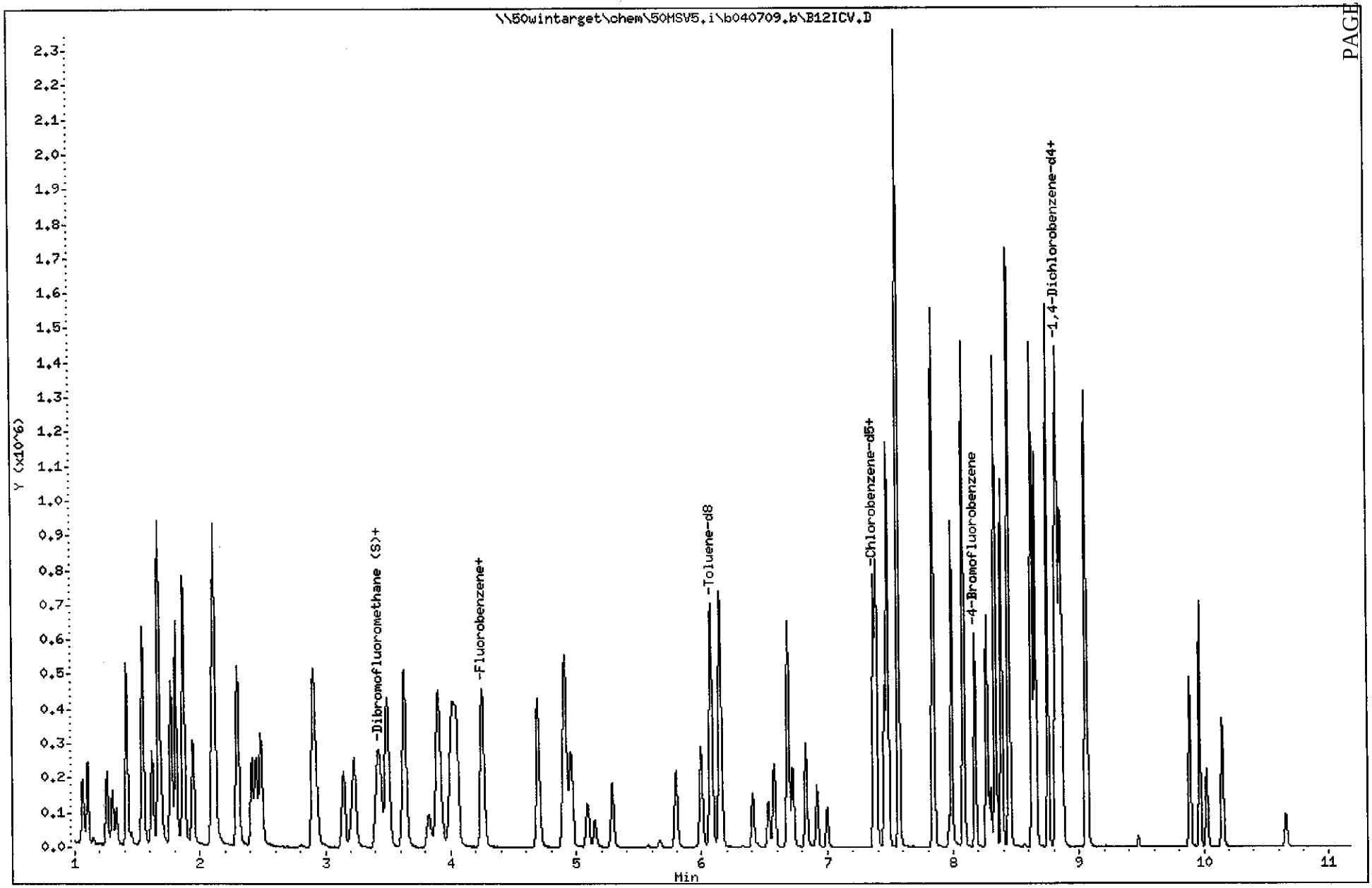
Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b040709.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	45.3	
120-82-1	1,2,4-Trichlorobenzene	44.4	
87-68-3	Hexachlorobutadiene	44.1	
91-20-3	Naphthalene	41.6	
87-61-6	1,2,3-Trichlorobenzene	46.3	
	2,methyl-naphthalene	52.2	
1868-53-7	Dibromofluoromethane (S)	47.6	
2037-26-5	Toluene-d8	50.0	
460-00-4	4-Bromofluorobenzene	51.1	

Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B12ICV.D
Date : 07-APR-2009 18:17
Client ID: icv
Sample Info: icv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b040709.b\B12ICV.D

Date : 07-APR-2009 18:17

Client ID: icv

Instrument: 50MSV5.i

Sample Info: icv

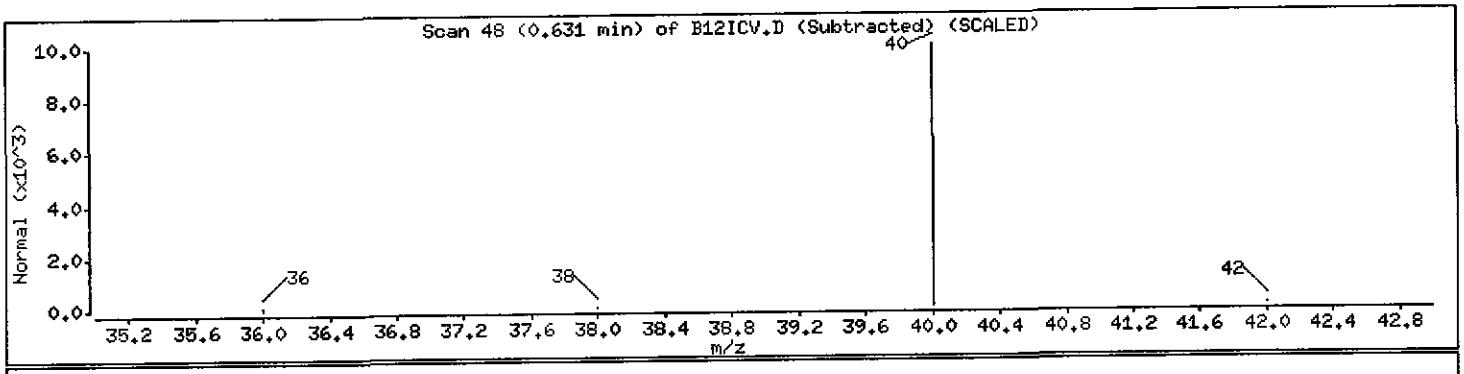
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



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VOA 8260B
GC/MS Volatiles

Section 3: Calibration Verification Data

**** Calibration Verification Summary Table***
**** BFB Tune Information***
**** Calibration Verification Standards***

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041509.B

Lab File ID: A00BFB BFB Injection Date: 04/15/09

Instrument ID: 50MSV5 BFB Injection Time: 1031

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	45.9
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	93.4
175	5.0 - 9.0% of mass 174	7.0 (7.5)1
176	95.0 - 101.0% of mass 174	92.4 (99.0)1
177	5.0 - 9.0% of mass 176	6.4 (6.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	A01CCV	04/15/09	1107
02	LCS	287389	A02LCS	04/15/09	1144
03	MB	287388	A03MB	04/15/09	1220
04	41001	5025041001	A04	04/15/09	1257
05	41003	5025041003	A05	04/15/09	1334
06	41009	5025041009	A06	04/15/09	1411
07	41015	5025041015	A07	04/15/09	1448
08	41021	5025041021	A08	04/15/09	1524
09	66015	5025166015	A09	04/15/09	1601
10	MS015	287390	A10	04/15/09	1638
11	MSD015	287391	A11	04/15/09	1714
12	66016	5025166016	A12	04/15/09	1751
13	66017	5025166017	A13	04/15/09	1827
14	66018	5025166018	A14	04/15/09	1904
15	66023	5025166023	A15	04/15/09	1940
16	66024	5025166024	A16	04/15/09	2017
17	66026	5025166026	A17	04/15/09	2054
18	66027	5025166027	A18	04/15/09	2130
19	FILL	FILL	A19	04/15/09	2207
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041509.B

Instrument ID: 50MSV5 Calibration Date: 04/15/09 Time: 1107

Lab File ID: A01CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Bromochloromethane	54.0	50.0	LINR	-8.0	20.0
Chloromethane	46.9	50.0	LINR	6.2	20.0
Bromomethane	50.8	50.0	AVRG	-1.6	20.0
Vinyl Chloride	44.6	50.0	AVRG	10.8	20.0
Chloroethane	45.9	50.0	LINR	8.2	20.0
Methylene Chloride	55.8	50.0	LINR	-11.6	20.0
1,1-Dichloroethene	54.2	50.0	AVRG	-8.4	20.0
1,1-Dichloroethane	52.4	50.0	AVRG	-4.8	20.0
1,2-Dichloroethene (trans)	53.8	50.0	AVRG	-7.6	20.0
Chloroform	53.0	50.0	AVRG	-6.0	20.0
1,2-Dichloroethane	53.9	50.0	AVRG	-7.8	20.0
1,1,1-Trichloroethane	50.2	50.0	LINR	-0.4	20.0
Carbon Tetrachloride	49.1	50.0	LINR	1.8	20.0
Bromodichloromethane	56.1	50.0	AVRG	-12.2	20.0
1,2-Dichloropropane	54.3	50.0	AVRG	-8.6	20.0
trans-1,3-Dichloropropene	45.1	50.0	LINR	9.8	20.0
Trichloroethene	52.9	50.0	LINR	-5.8	20.0
Dibromochloromethane	51.2	50.0	LINR	-2.4	20.0
1,1,2-Trichloroethane	56.6	50.0	AVRG	-13.2	20.0
Benzene	55.0	50.0	AVRG	-10.0	20.0
cis-1,3-Dichloropropene	45.9	50.0	LINR	8.2	20.0
Bromoform	50.6	50.0	LINR	-1.2	20.0
Tetrachloroethene	54.0	50.0	AVRG	-8.0	20.0
1,1,2,2-Tetrachloroethane	53.0	50.0	AVRG	-6.0	20.0
Toluene	51.7	50.0	AVRG	-3.4	20.0
Chlorobenzene	54.5	50.0	AVRG	-9.0	20.0
Ethylbenzene	56.3	50.0	AVRG	-12.6	20.0
Styrene	53.4	50.0	LINR	-6.8	20.0
Trichlorofluoromethane	51.3	50.0	AVRG	-2.6	20.0
m&p-Xylene	110	100	AVRG	-10.0	20.0
1,2-Dichloroethene (cis)	54.4	50.0	AVRG	-8.8	20.0
o-Xylene	55.7	50.0	AVRG	-11.4	20.0
1,2,3-Trichloropropane	51.4	50.0	AVRG	-2.8	20.0
1,3-Dichlorobenzene	54.8	50.0	AVRG	-9.6	20.0
1,4-Dichlorobenzene	53.3	50.0	AVRG	-6.6	20.0
Dibromomethane	53.9	50.0	LINR	-7.8	20.0
1,2-Dichlorobenzene	54.4	50.0	AVRG	-8.8	20.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041509.B

Instrument ID: 50MSV5 Calibration Date: 04/15/09 Time: 1107

Lab File ID: A01CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	46.2	50.0	LINR	7.6	20.0	
2,2-Dichloropropane	44.2	50.0	2ORDR	11.6	20.0	
1,1-Dichloropropene	58.0	50.0	AVRG	-16.0	20.0	
1,3-Dichloropropane	56.4	50.0	AVRG	-12.8	20.0	
1,2-Dibromoethane	53.6	50.0	LINR	-7.2	20.0	
1,1,1,2-Tetrachloroethane	51.6	50.0	LINR	-3.2	20.0	
Isopropylbenzene	53.4	50.0	LINR	-6.8	20.0	
Bromobenzene	54.2	50.0	AVRG	-8.4	20.0	
n-Propylbenzene	55.9	50.0	AVRG	-11.8	20.0	
2-Chlorotoluene	54.0	50.0	AVRG	-8.0	20.0	
4-Chlorotoluene	53.8	50.0	AVRG	-7.6	20.0	
1,3,5-Trimethylbenzene	54.5	50.0	AVRG	-9.0	20.0	
tert-Butylbenzene	56.8	50.0	AVRG	-13.6	20.0	
1,2,4-Trimethylbenzene	55.8	50.0	AVRG	-11.6	20.0	
sec-Butylbenzene	58.9	50.0	AVRG	-17.8	20.0	
p-Isopropyltoluene	56.8	50.0	AVRG	-13.6	20.0	
n-Butylbenzene	54.6	50.0	LINR	-9.2	20.0	
1,2-Dibromo-3-chloropropane	50.6	50.0	LINR	-1.2	20.0	
1,2,4-Trichlorobenzene	53.2	50.0	LINR	-6.4	20.0	
Hexachlorobutadiene	56.2	50.0	LINR	-12.4	20.0	
Naphthalene	46.6	50.0	LINR	6.8	20.0	
1,2,3-Trichlorobenzene	52.1	50.0	LINR	-4.2	20.0	
Acrolein	1330	1000	AVRG	-33.0	20.0	<-
Carbon Disulfide	114	100	LINR	-14.0	20.0	
Acetone	279	250	LINR	-11.6	20.0	
Acrylonitrile	984	1000	AVRG	1.6	20.0	
Vinyl Acetate	166	200	LINR	17.0	20.0	
2-Butanone	262	250	AVRG	-4.8	20.0	
2-Chloroethyl vinyl ether	0.000	100	AVRG	100.0	20.0	<-
4-Methyl-2-Pentanone	237	250	LINR	5.2	20.0	
2-Hexanone	237	250	LINR	5.2	20.0	
Methyl-tert-butyl ether	89.2	100	LINR	10.8	20.0	
Iodomethane	112	100	LINR	-12.0	20.0	
trans-1,4-Dichloro-2-butene	48.6	50.0	LINR	2.8	20.0	
Ethyl Methacrylate	43.7	50.0	LINR	12.6	20.0	
2,methyl-naphthalene	40.7	50.0	LINR	18.6	20.0	
n-Hexane	51.6	50.0	LINR	-3.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041509.B

Instrument ID: 50MSV5 Calibration Date: 04/15/09 Time: 1107

Lab File ID: A01CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	61.8	50.0	LINR	-23.6	20.0	<-
1,2-dichlorotrifluoroethane	55.6	50.0	AVRG	-11.2	20.0	
Tetrahydrofuran	35.3	50.0	LINR	29.4	20.0	<-
allyl chloride	104	100	AVRG	-4.0	20.0	
Diethyl ether	51.0	50.0	LINR	-2.0	20.0	
Isobutyl alcohol	52.4	50.0	AVRG	-4.8	20.0	
Methyl methacrylate	43.2	50.0	LINR	13.6	20.0	
Propionitrile	46.6	50.0	LINR	6.8	20.0	
tert-Butyl Alcohol	104	100	AVRG	-4.0	20.0	
2,2,4-Trimethylpentane	57.0	50.0	AVRG	-14.0	20.0	
Methyl Acetate	44.3	50.0	LINR	11.4	20.0	
Cyclohexane	57.0	50.0	AVRG	-14.0	20.0	
Methylcyclohexane	55.7	50.0	LINR	-11.4	20.0	
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Toluene-d8	51.0	50.0	AVRG	-2.0	20.0	
4-Bromofluorobenzene	49.4	50.0	AVRG	1.2	20.0	
Dibromofluoromethane (S)	50.2	50.0	AVRG	-0.4	20.0	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A00BFB.D

Date : 15-APR-2009 10:31

Client ID: bfb050

Instrument: 50MSV5.i

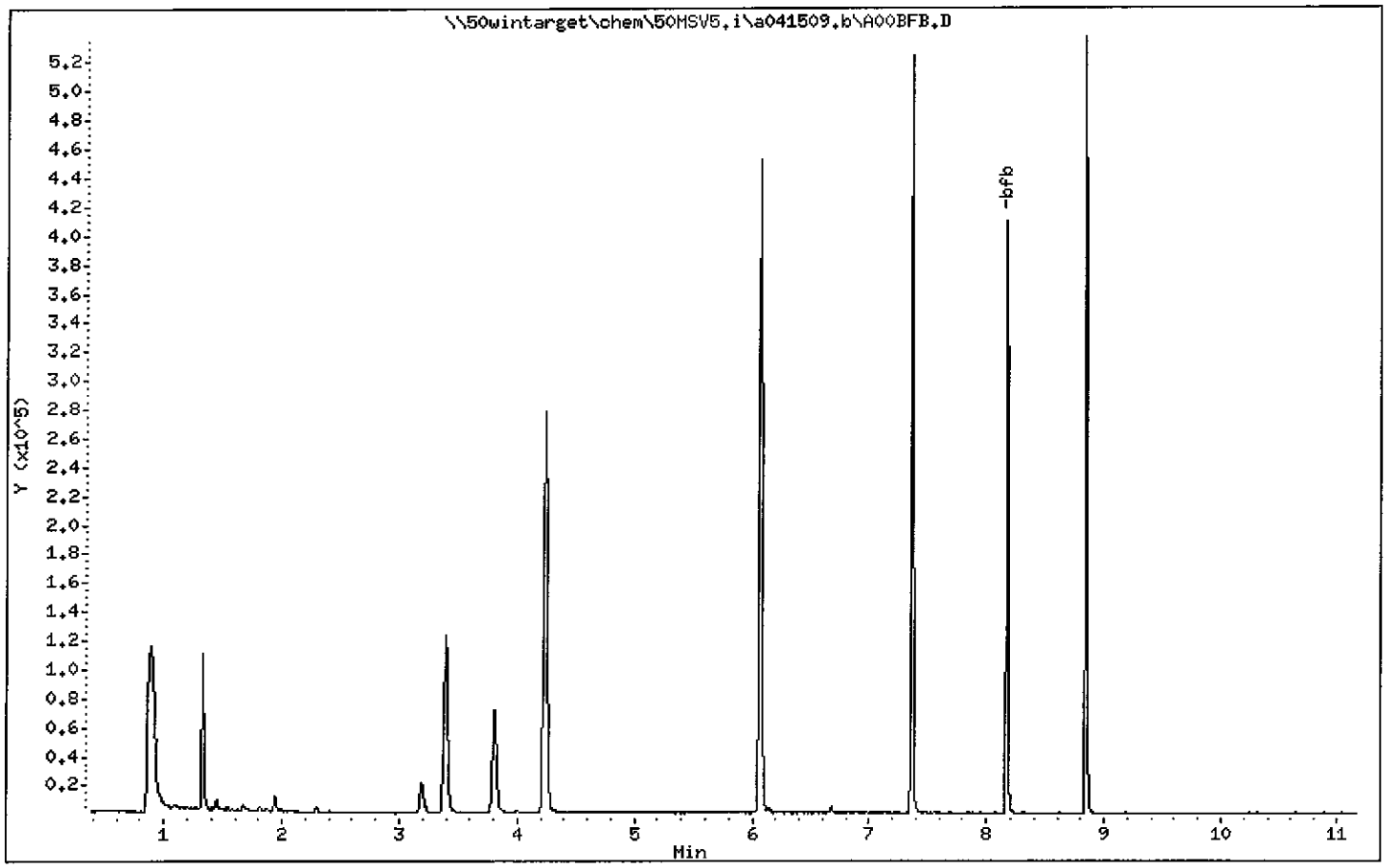
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A00BFB.D

Date : 15-APR-2009 10:31

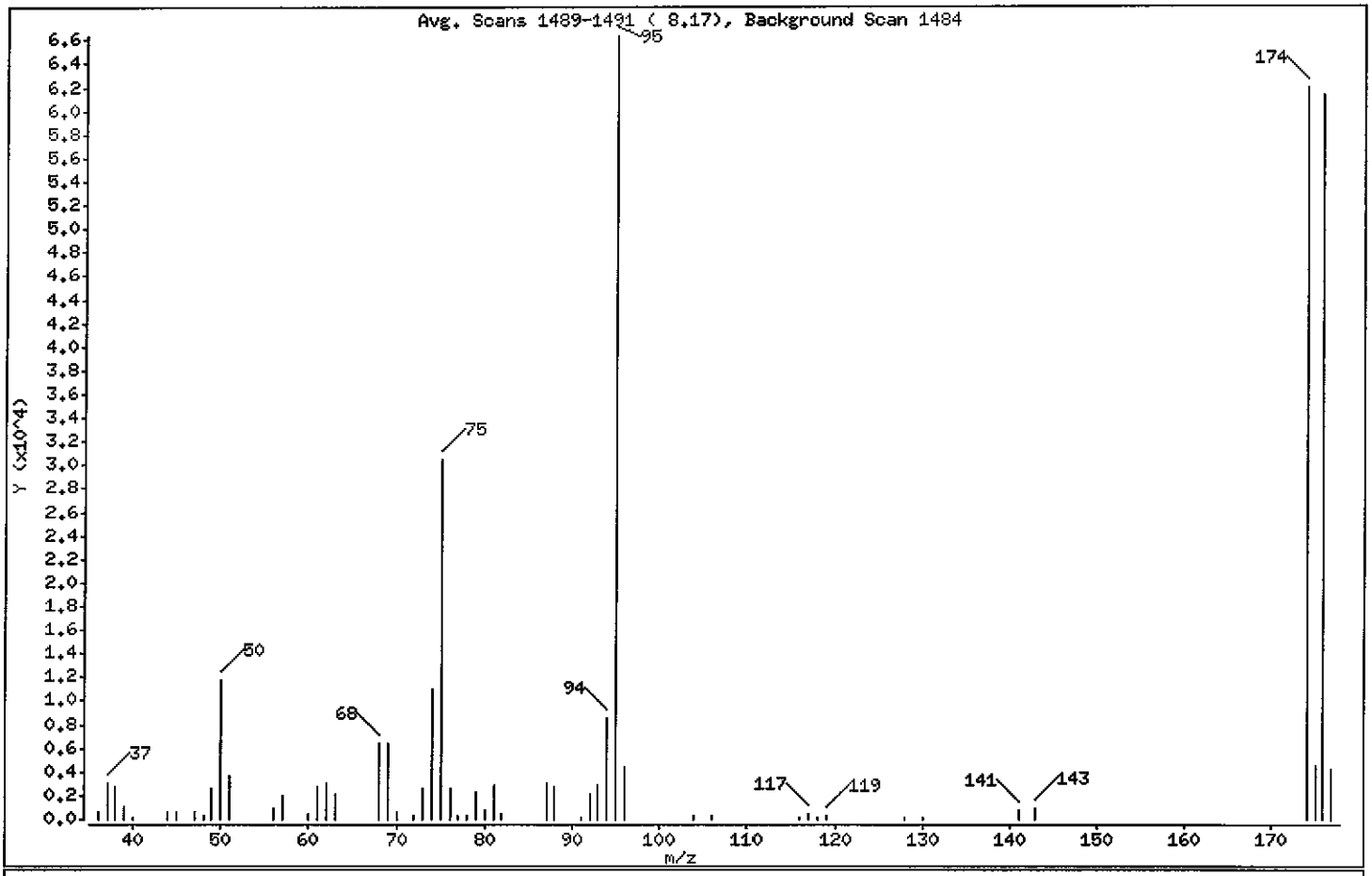
Client ID: bfb050 | Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0 | Operator: ala

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	17.66
75	30.00 - 60.00% of mass 95	45.95
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	93.39
175	5.00 - 9.00% of mass 174	6.97 (7.46)
176	95.00 - 101.00% of mass 174	92.43 (98.97)
177	5.00 - 9.00% of mass 176	6.36 (6.88)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A00BFB.D

Date : 15-APR-2009 10:31

Client ID: bfb050 | Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0 | Operator: ala

Column phase: | Column diameter: 2.00

Data File: A00BFB.D
Spectrum: Avg. Scans 1489-1491 (8.17), Background Scan 1484
Location of Maximum: 95.00
Number of points: 54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	606	60.00	501	79.00	2326	116.00	109
37.00	2993	61.00	2812	80.00	719	117.00	461
38.00	2808	62.00	2990	81.00	2920	118.00	130
39.00	1088	63.00	2143	82.00	512	119.00	364
40.00	174	68.00	6445	87.00	3071	128.00	105
44.00	670	69.00	6357	88.00	2743	130.00	129
45.00	590	70.00	565	91.00	129	141.00	736
47.00	604	72.00	260	92.00	2157	143.00	938
48.00	274	73.00	2616	93.00	2900	174.00	61968
49.00	2549	74.00	10990	94.00	8606	175.00	4623
50.00	11719	75.00	30488	95.00	66352	176.00	61328
51.00	3638	76.00	2535	96.00	4429	177.00	4222
56.00	989	77.00	252	104.00	258		
57.00	1964	78.00	257	106.00	316		

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Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A01CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 15-APR-2009 11:07
Operator : ala Inst ID: 50MSV5.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	0.970	0.970	(0.229)	78209	50.0000	46.2
2 Chloromethane	50	1.064	1.064	(0.251)	86659	50.0000	46.9
3 Vinyl Chloride	62	1.101	1.101	(0.260)	79747	50.0000	44.6
4 Bromomethane	94	1.253	1.253	(0.296)	63275	50.0000	50.8
139 Methyl Acetate	43	2.105	2.105	(0.497)	37168	50.0000	44.3
5 Chloroethane	64	1.295	1.295	(0.305)	45742	50.0000	45.9
6 Trichlorofluoromethane	101	1.415	1.415	(0.334)	184619	50.0000	51.3
7 Diethyl ether	74	1.546	1.546	(0.365)	31296	50.0000	51.0
8 Acrolein	56	1.614	1.614	(0.381)	105617	1000.00	1330
9 1,1-Dichloroethene	96	1.671	1.671	(0.394)	88211	50.0000	54.2
10 1,1,2trichlorotrifluoroethane	101	1.661	1.661	(0.392)	109243	50.0000	61.8
11 Acetone	43	1.692	1.692	(0.399)	75931	250.000	279
12 Iodomethane	142	1.765	1.765	(0.416)	326464	100.000	112
13 Carbon Disulfide	76	1.807	1.807	(0.426)	480612	100.000	114
142 Acetonitrile	41	1.865	1.865	(0.440)	264985	1000.00	
14 allyl chloride	41	1.865	1.865	(0.440)	264985	100.000	104
15 Methylene Chloride	84	1.938	1.938	(0.457)	85730	50.0000	55.8
16 Acrylonitrile	53	2.090	2.090	(0.493)	308075	1000.00	984
17 tert-Butyl Alcohol	59	1.546	1.546	(0.365)	49424	100.000	104
18 1,2-Dichloroethene (trans)	96	2.110	2.110	(0.498)	95682	50.0000	53.8
19 Methyl-tert-butyl ether	73	2.110	2.110	(0.498)	161218	100.000	89.2
20 n-Hexane	57	2.294	2.294	(0.541)	128215	50.0000	51.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	21 1,1-Dichloroethane	63	2.403	2.403	(0.567)	159362	50.0000	52.4
	23 Vinyl Acetate	43	2.440	2.440	(0.576)	344124	200.000	166
	143 Chloroprene	53	2.477	2.477	(0.584)	154308	50.0000	
	24 2,2-Dichloropropane	77	2.895	2.895	(0.683)	44674	50.0000	44.2
	144 Methacrylonitrile	41	3.188	3.188	(0.752)	23141	250.000	
	25 1,2-Dichloroethene (cis)	96	2.895	2.895	(0.683)	99793	50.0000	54.4
	26 2-Butanone	43	2.916	2.916	(0.688)	106402	250.000	262
	27 Propionitrile	54	2.979	2.979	(0.703)	5257	50.0000	46.6
	28 1,2-dichlorotrifluoroethane	67	1.540	1.540	(0.363)	117742	50.0000	55.6
	29 Bromochloromethane	49	3.136	3.136	(0.740)	71583	50.0000	54.0
	30 Tetrahydrofuran	42	3.188	3.188	(0.752)	36570	50.0000	35.3
	31 Chloroform	83	3.219	3.219	(0.759)	159676	50.0000	53.0
$	32 Dibromofluoromethane (S)	113	3.397	3.397	(0.801)	92170	50.0000	50.2
	33 1,1,1-Trichloroethane	97	3.418	3.418	(0.806)	106316	50.0000	50.2
	35 Carbon Tetrachloride	117	3.617	3.617	(0.853)	93501	50.0000	49.1
	36 1,1-Dichloropropene	75	3.617	3.617	(0.853)	120322	50.0000	58.0
	37 Isobutyl alcohol	43	2.916	2.916	(0.688)	106402	50.0000	52.4
	140 Cyclohexane	56	3.481	3.481	(0.821)	153575	50.0000	57.0
	38 Benzene	78	3.883	3.883	(0.916)	332625	50.0000	55.0
	39 1,2-Dichloroethane	62	3.910	3.910	(0.922)	93898	50.0000	53.9
	138 2,2,4-Trimethylpentane	57	4.004	4.004	(0.944)	352895	50.0000	57.0
	141 Methylcyclohexane	55	4.898	4.898	(1.155)	131211	50.0000	55.7
*	40 Fluorobenzene	96	4.239	4.239	(1.000)	338481	50.0000	
	41 Trichloroethene	95	4.684	4.684	(1.105)	94819	50.0000	52.9
	42 1,2-Dichloropropane	63	4.945	4.945	(1.167)	83596	50.0000	54.3
	43 Dibromomethane	93	5.076	5.076	(1.197)	41458	50.0000	53.9
	44 Methyl methacrylate	69	5.134	5.134	(1.211)	22038	50.0000	43.2
	45 Bromodichloromethane	83	5.275	5.275	(1.244)	98894	50.0000	56.1
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	85711	50.0000	45.9
	48 4-Methyl-2-Pentanone	43	5.981	5.981	(0.812)	200791	250.000	237
$	49 Toluene-d8	98	6.070	6.070	(0.825)	342018	50.0000	51.0
	50 Toluene	91	6.138	6.138	(0.834)	387486	50.0000	51.7
	51 trans-1,3-Dichloropropene	75	6.399	6.399	(0.869)	56915	50.0000	45.1
	52 Ethyl Methacrylate	69	6.525	6.525	(0.886)	45388	50.0000	43.7
	53 1,1,2-Trichloroethane	83	6.567	6.567	(0.892)	47771	50.0000	56.6
	54 Tetrachloroethene	166	6.682	6.682	(0.908)	129654	50.0000	54.0
	55 1,3-Dichloropropane	76	6.718	6.718	(0.913)	93018	50.0000	56.4
	56 2-Hexanone	43	6.823	6.823	(0.927)	128574	250.000	237
	57 Dibromochloromethane	129	6.907	6.907	(0.938)	69056	50.0000	51.2
	58 1,2-Dibromoethane	107	6.990	6.990	(0.950)	57938	50.0000	53.6
*	59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	233343	50.0000	
	60 Chlorobenzene	112	7.383	7.383	(1.003)	265237	50.0000	54.5
	61 1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	75834	50.0000	51.6
	62 Ethylbenzene	106	7.477	7.477	(1.016)	147471	50.0000	56.3
	63 m&p-Xylene	106	7.560	7.560	(1.027)	381700	100.000	110
	65 o-Xylene	106	7.832	7.832	(1.064)	174286	50.0000	55.7
	66 Styrene	104	7.843	7.843	(1.065)	275573	50.0000	53.4
	67 Bromoform	173	7.963	7.963	(0.900)	32658	50.0000	50.6
	68 Isopropylbenzene	105	8.434	8.434	(1.146)	377352	50.0000	53.4
	69 trans-1,4-Dichloro-2-butene	53	8.303	8.303	(1.128)	10241	50.0000	48.6
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	98404	50.0000	49.4
	71 Bromobenzene	77	8.256	8.256	(1.121)	129147	50.0000	54.2
	72 1,1,2,2-Tetrachloroethane	83	8.266	8.266	(0.934)	59295	50.0000	53.0
	73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	49062	50.0000	51.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
74 n-Propylbenzene	91	8.329	8.329	(0.941)	534724	50.0000	55.9
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	294920	50.0000	54.0
76 4-Chlorotoluene	126	8.444	8.444	(0.954)	119504	50.0000	53.8
77 1,3,5-Trimethylbenzene	105	8.434	8.434	(0.953)	377352	50.0000	54.5
78 tert-Butylbenzene	119	8.622	8.622	(0.975)	445823	50.0000	56.8
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	366704	50.0000	55.8
80 sec-Butylbenzene	105	8.748	8.748	(0.989)	525552	50.0000	58.9
81 1,3-Dichlorobenzene	146	8.810	8.810	(0.996)	220797	50.0000	54.8
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	131281	50.0000	
83 p-Isopropyltoluene	119	8.622	8.622	(0.975)	445823	50.0000	56.8
84 1,4-Dichlorobenzene	146	8.857	8.857	(1.001)	224386	50.0000	53.3
85 1,2-Dichlorobenzene	146	9.061	9.061	(1.024)	191963	50.0000	54.4
86 n-Butylbenzene	91	9.046	9.046	(1.022)	397664	50.0000	54.6
87 1,2-Dibromo-3-chloropropane	155	9.469	9.469	(1.070)	6327	50.0000	50.6
88 1,2,4-Trichlorobenzene	180	9.883	9.883	(1.117)	119399	50.0000	53.2
89 Hexachlorobutadiene	225	9.961	9.961	(1.126)	87779	50.0000	56.2
90 Naphthalene	128	10.019	10.019	(1.132)	167899	50.0000	46.6
91 1,2,3-Trichlorobenzene	180	10.144	10.144	(1.147)	97095	50.0000	52.1
92 2,methyl-naphthalene	142	10.651	10.651	(1.204)	64989	50.0000	40.7

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A01CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 14-APR-2009
Calibration Time: 23:33
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	338481	-9.42
59 Chlorobenzene-d5	255255	127628	510510	233343	-8.58
82 1,4-Dichlorobenze	136223	68112	272446	131281	-3.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.24	-0.37
59 Chlorobenzene-d5	7.37	6.87	7.87	7.36	-0.14
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m

Injection Date: 15-APR-2009 11:07
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	50.00000	46.24148	0.23106	0.100	-7.51703	0.000e+000	Linear	
2 Chloromethane	50.00000	46.88899	0.25602	0.100	-6.22203	0.000e+000	Linear	
3 Vinyl Chloride	0.26428	0.23560	0.23560	0.100	-10.85091	20.00000	Averaged	
4 Bromomethane	0.18384	0.18694	0.18694	0.100	1.68788	20.00000	Averaged	
139 Methyl Acetate	50.00000	44.34490	0.10981	0.100	-11.31020	0.000e+000	Linear	
5 Chloroethane	50.00000	45.91180	0.13514	0.100	-8.17641	0.000e+000	Linear	
6 Trichlorofluoromethane	0.53163	0.54543	0.54543	0.100	2.59685	20.00000	Averaged	
7 Diethyl ether	50.00000	51.01700	0.09246	0.100	2.03401	0.000e+000	Linear	
8 Acrolein	0.01172	0.01560	0.01560	0.100	33.08592	20.00000	Averaged	<-
9 1,1-Dichloroethene	0.24057	0.26061	0.26061	0.100	8.32773	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	50.00000	61.76649	0.32274	0.100	23.53299	0.000e+000	Linear	
11 Acetone	250	279	0.04487	0.100	11.45780	0.000e+000	Linear	
12 Iodomethane	100	112	0.48225	0.100	11.62241	0.000e+000	Linear	
13 Carbon Disulfide	100	114	0.70995	0.100	13.94980	0.000e+000	Linear	
142 Acetonitrile	++++	0.03914	0.03914	0.100	++++	20.00000	Averaged	<-
14 allyl chloride	0.37520	0.39143	0.39143	0.100	4.32508	20.00000	Averaged	
15 Methylene Chloride	50.00000	55.83872	0.25328	0.100	11.67743	0.000e+000	Linear	
16 Acrylonitrile	0.04622	0.04551	0.04551	0.100	-1.54486	20.00000	Averaged	
17 tert-Butyl Alcohol	0.07048	0.07301	0.07301	0.100	3.58103	20.00000	Averaged	
18 1,2-Dichloroethene (trans)	0.26286	0.28268	0.28268	0.100	7.54206	20.00000	Averaged	
19 Methyl-tert-butyl ether	100	89.19917	0.23815	0.100	-10.80083	0.000e+000	Linear	
20 n-Hexane	50.00000	51.65463	0.37880	0.100	3.30926	0.000e+000	Linear	
21 1,1-Dichloroethane	0.44894	0.47082	0.47082	0.100	4.87255	20.00000	Averaged	
23 Vinyl Acetate	200	166	0.25417	0.100	-16.87793	0.000e+000	Linear	
143 Chloroprene	++++	0.45588	0.45588	0.100	++++	20.00000	Averaged	<-
24 2,2-Dichloropropane	50.00000	44.21085	0.13198	0.100	-11.57830	0.000e+000	Quadratic	
144 Methacrylonitrile	++++	0.01367	0.01367	0.100	++++	20.00000	Averaged	<-
25 1,2-Dichloroethene (cis)	0.27085	0.29483	0.29483	0.100	8.85377	20.00000	Averaged	
26 2-Butanone	0.06004	0.06287	0.06287	0.100	4.71699	20.00000	Averaged	
27 Propionitrile	50.00000	46.55671	0.01553	0.100	-6.88659	0.000e+000	Linear	
28 1,2-dichlorotrifluoroethane	0.31269	0.34785	0.34785	0.100	11.24598	20.00000	Averaged	
29 Bromochloromethane	50.00000	54.04278	0.21148	0.100	8.08557	0.000e+000	Linear	
30 Tetrahydrofuran	50.00000	35.31862	0.10804	0.100	-29.36275	0.000e+000	Linear	
31 Chloroform	0.44502	0.47174	0.47174	0.100	6.00475	20.00000	Averaged	
$ 32 Dibromofluoromethane (S)	0.27107	0.27230	0.27230	0.100	0.45587	20.00000	Averaged	
33 1,1,1-Trichloroethane	50.00000	50.16604	0.31410	0.100	0.33209	0.000e+000	Linear	
35 Carbon Tetrachloride	50.00000	49.06646	0.27624	0.100	-1.86708	0.000e+000	Linear	
36 1,1-Dichloropropene	0.30619	0.35548	0.35548	0.100	16.09484	20.00000	Averaged	
37 Isobutyl alcohol	0.30019	0.31435	0.31435	0.100	4.71836	20.00000	Averaged	
140 Cyclohexane	0.39814	0.45372	0.45372	0.100	13.96058	20.00000	Averaged	
38 Benzene	0.89291	0.98270	0.98270	0.100	10.05635	20.00000	Averaged	
39 1,2-Dichloroethane	0.25746	0.27741	0.27741	0.100	7.74674	20.00000	Averaged	
138 2,2,4-Trimethylpentane	0.91511	1.04258	1.04258	0.100	13.93028	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 15-APR-2009 11:07
Lab File ID: A01CCV.D Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Analysis Type: WATER Init. Cal. Times: 13:05 17:22
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	50.00000	55.72404	0.38765	0.100	11.44807	0.000e+000	Linear	
41 Trichloroethene	50.00000	52.90524	0.28013	0.100	5.81047	0.000e+000	Linear	
42 1,2-Dichloropropane	0.22741	0.24697	0.24697	0.100	8.60235	20.00000	Averaged	
43 Dibromomethane	50.00000	53.89743	0.12248	0.100	7.79487	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	43.18621	0.06511	0.100	-13.62758	0.000e+000	Linear	
147 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
45 Bromodichloromethane	0.26046	0.29217	0.29217	0.100	12.17393	20.00000	Averaged	
46 2-Chloroethyl vinyl ether	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	45.88885	0.36732	0.100	-8.22230	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	250	237	0.17210	0.100	-5.08725	0.000e+000	Linear	
$ 49 Toluene-d8	1.43830	1.46573	1.46573	0.100	1.90710	20.00000	Averaged	
50 Toluene	1.60458	1.66059	1.66059	0.100	3.49042	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	45.09190	0.24391	0.100	-9.81620	0.000e+000	Linear	
52 Ethyl Methacrylate	50.00000	43.68772	0.19451	0.100	-12.62456	0.000e+000	Linear	
53 1,1,2-Trichloroethane	0.18098	0.20472	0.20472	0.100	13.12138	20.00000	Averaged	
54 Tetrachloroethene	0.51431	0.55564	0.55564	0.100	8.03569	20.00000	Averaged	
55 1,3-Dichloropropane	0.35357	0.39863	0.39863	0.100	12.74372	20.00000	Averaged	
56 2-Hexanone	250	237	0.11020	0.100	-5.03117	0.000e+000	Linear	
57 Dibromochloromethane	50.00000	51.21749	0.29594	0.100	2.43498	0.000e+000	Linear	
58 1,2-Dibromoethane	50.00000	53.60038	0.24830	0.100	7.20075	0.000e+000	Linear	
60 Chlorobenzene	1.04299	1.13668	1.13668	0.100	8.98308	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	51.57453	0.32499	0.100	3.14905	0.000e+000	Linear	
62 Ethylbenzene	0.56079	0.63199	0.63199	0.100	12.69657	20.00000	Averaged	
63 m&p-Xylene	0.74040	0.81789	0.81789	0.100	10.46622	20.00000	Averaged	
65 o-Xylene	0.67021	0.74691	0.74691	0.100	11.44464	20.00000	Averaged	
66 Styrene	50.00000	53.44267	1.18098	0.100	6.88534	0.000e+000	Linear	
67 Bromoform	50.00000	50.55164	0.24876	0.100	1.10328	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	53.39892	1.61716	0.100	6.79784	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	48.57811	0.04389	0.100	-2.84378	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.42693	0.42171	0.42171	0.100	-1.22073	20.00000	Averaged	
71 Bromobenzene	0.51006	0.55346	0.55346	0.100	8.50936	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.42632	0.45166	0.45166	0.100	5.94379	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.36359	0.37372	0.37372	0.100	2.78503	20.00000	Averaged	
74 n-Propylbenzene	3.64303	4.07313	4.07313	0.100	11.80602	20.00000	Averaged	
75 2-Chlorotoluene	2.08195	2.24648	2.24648	0.100	7.90269	20.00000	Averaged	
76 4-Chlorotoluene	0.84652	0.91029	0.91029	0.100	7.53298	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.63625	2.87438	2.87438	0.100	9.03296	20.00000	Averaged	
78 tert-Butylbenzene	2.98669	3.39594	3.39594	0.100	13.70246	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.50353	2.79328	2.79328	0.100	11.57359	20.00000	Averaged	
80 sec-Butylbenzene	3.39766	4.00326	4.00326	0.100	17.82407	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.53301	1.68187	1.68187	0.100	9.71036	20.00000	Averaged	
83 p-Isopropyltoluene	2.98669	3.39594	3.39594	0.100	13.70246	20.00000	Averaged	

Pace Analytical Services, Inc.

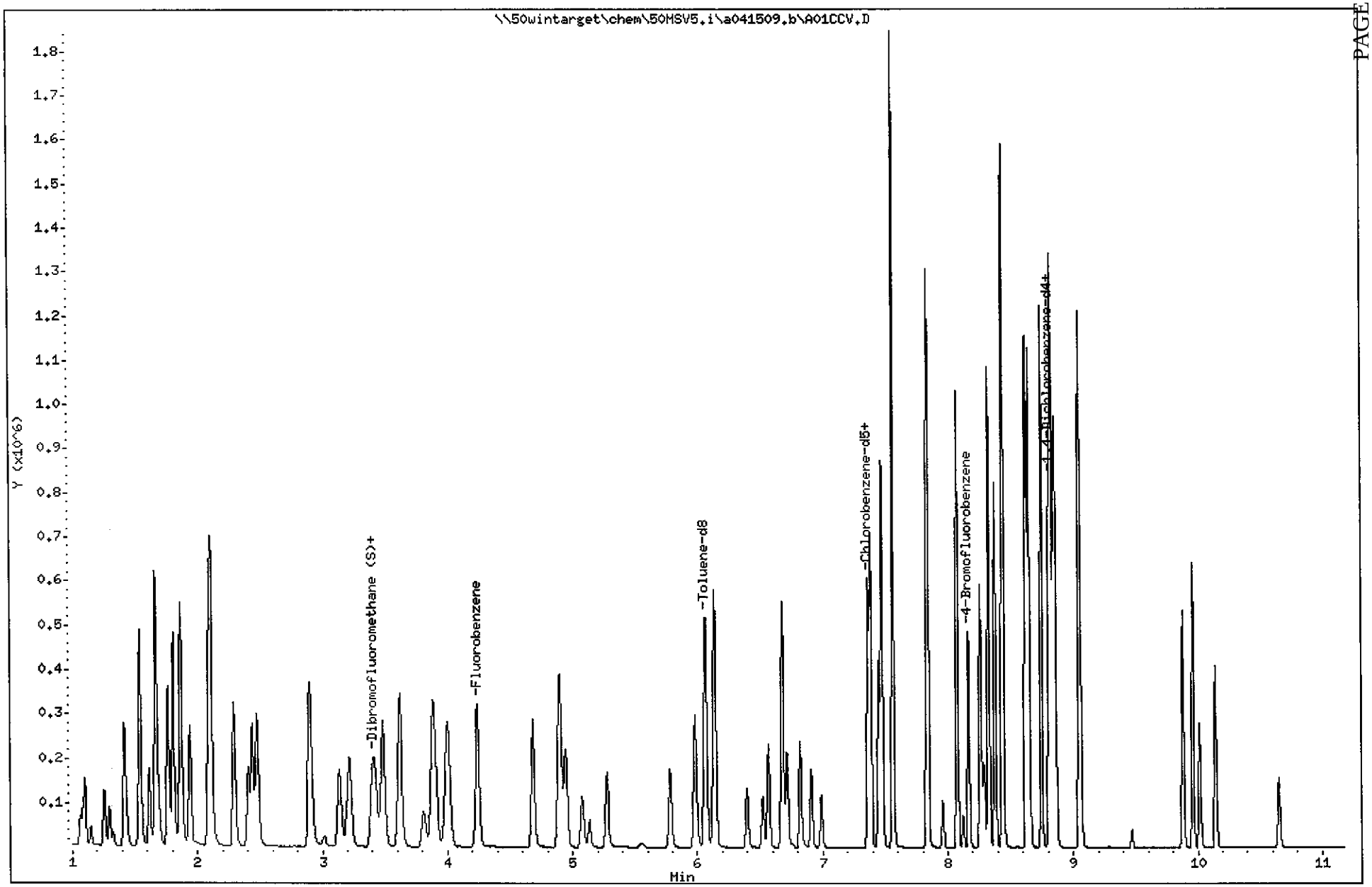
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 15-APR-2009 11:07
Lab File ID: A01CCV.D Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Analysis Type: WATER Init. Cal. Times: 13:05 17:22
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.60339	1.70920	1.70920	0.100	6.59955	20.00000	Averaged
85 1,2-Dichlorobenzene	1.34479	1.46223	1.46223	0.100	8.73297	20.00000	Averaged
86 n-Butylbenzene	50.00000	54.60963	3.02911	0.100	9.21925	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	50.57620	0.04819	0.100	1.15240	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	53.15329	0.90949	0.100	6.30657	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	56.21452	0.66863	0.100	12.42904	0.000e+000	Linear
90 Naphthalene	50.00000	46.63670	1.27893	0.100	-6.72661	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	52.11468	0.73960	0.100	4.22935	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	40.69567	0.49504	0.100	-18.60866	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A01CCV.D
Date : 15-APR-2009 11:07
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041509.B

Lab File ID: B00BFB BFB Injection Date: 04/15/09

Instrument ID: 50MSV5 BFB Injection Time: 1049

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	8.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	67.0
175	5.0 - 9.0% of mass 174	5.8 (8.6)1
176	95.0 - 101.0% of mass 174	64.2 (95.8)1
177	5.0 - 9.0% of mass 176	5.5 (8.6)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	LCS	287393	B02LCS	04/15/09	1202
02	CCV	CCV	B02CCV	04/15/09	1202
03	MB	287392	B03MB	04/15/09	1239
04	66001	5025166001	B04	04/15/09	1316
05	66002	5025166002	B05	04/15/09	1353
06	66003	5025166003	B06	04/15/09	1429
07	66004	5025166004	B07	04/15/09	1506
08	66005	5025166005	B08	04/15/09	1543
09	66006	5025166006	B09	04/15/09	1619
10	66007	5025166007	B10	04/15/09	1656
11	66008	5025166008	B11	04/15/09	1732
12	66009	5025166009	B12	04/15/09	1809
13	66010	5025166010	B13	04/15/09	1846
14	66011	5025166011	B14	04/15/09	1922
15	66012	5025166012	B15	04/15/09	1959
16	66013	5025166013	B16	04/15/09	2035
17	66014	5025166014	B17	04/15/09	2112
18	MS014	287394	B18	04/15/09	2148
19	MSD014	287395	B19	04/15/09	2225
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041509.B

Instrument ID: 50MSV5 Calibration Date: 04/15/09 Time: 1202

Lab File ID: B02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1324 1741

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	44.7	50.0	LINR	10.6	20.0	
Chloromethane	49.8	50.0	AVRG	0.4	20.0	
Bromomethane	57.0	50.0	AVRG	-14.0	20.0	
Vinyl Chloride	53.8	50.0	2ORDR	-7.6	20.0	
Chloroethane	52.1	50.0	AVRG	-4.2	20.0	
Methylene Chloride	45.9	50.0	LINR	8.2	20.0	
1,1-Dichloroethene	48.4	50.0	LINR	3.2	20.0	
1,1-Dichloroethane	43.5	50.0	AVRG	13.0	20.0	
1,2-Dichloroethene (trans)	48.3	50.0	AVRG	3.4	20.0	
Chloroform	44.4	50.0	AVRG	11.2	20.0	
1,2-Dichloroethane	45.9	50.0	AVRG	8.2	20.0	
1,1,1-Trichloroethane	43.5	50.0	LINR	13.0	20.0	
Carbon Tetrachloride	43.8	50.0	LINR	12.4	20.0	
Bromodichloromethane	43.8	50.0	LINR	12.4	20.0	
1,2-Dichloropropane	46.6	50.0	AVRG	6.8	20.0	
trans-1,3-Dichloropropene	41.4	50.0	LINR	17.2	20.0	
Trichloroethene	44.8	50.0	AVRG	10.4	20.0	
Dibromochloromethane	45.7	50.0	LINR	8.6	20.0	
1,1,2-Trichloroethane	48.7	50.0	LINR	2.6	20.0	
Benzene	47.0	50.0	AVRG	6.0	20.0	
cis-1,3-Dichloropropene	43.0	50.0	LINR	14.0	20.0	
Bromoform	40.8	50.0	LINR	18.4	20.0	
Tetrachloroethene	44.0	50.0	LINR	12.0	20.0	
1,1,2,2-Tetrachloroethane	44.2	50.0	AVRG	11.6	20.0	
Toluene	45.1	50.0	AVRG	9.8	20.0	
Chlorobenzene	49.3	50.0	AVRG	1.4	20.0	
Ethylbenzene	48.4	50.0	LINR	3.2	20.0	
Styrene	46.1	50.0	LINR	7.8	20.0	
Trichlorofluoromethane	58.4	50.0	AVRG	-16.8	20.0	
m&p-Xylene	95.7	100	LINR	4.3	20.0	
1,2-Dichloroethene (cis)	44.6	50.0	AVRG	10.8	20.0	
o-Xylene	48.2	50.0	LINR	3.6	20.0	
1,2,3-Trichloropropane	38.3	50.0	LINR	23.4	20.0	<-
1,3-Dichlorobenzene	47.7	50.0	AVRG	4.6	20.0	
1,4-Dichlorobenzene	42.5	50.0	AVRG	15.0	20.0	
Dibromomethane	45.7	50.0	LINR	8.6	20.0	
1,2-Dichlorobenzene	47.1	50.0	AVRG	5.8	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041509.B

Instrument ID: 50MSV5 Calibration Date: 04/15/09 Time: 1202

Lab File ID: B02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1324 1741

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	48.3	50.0	AVRG	3.4	20.0	
2,2-Dichloropropane	42.4	50.0	2ORDR	15.2	20.0	
1,1-Dichloropropene	45.5	50.0	LINR	9.0	20.0	
1,3-Dichloropropane	47.2	50.0	LINR	5.6	20.0	
1,2-Dibromoethane	45.7	50.0	LINR	8.6	20.0	
1,1,1,2-Tetrachloroethane	43.5	50.0	LINR	13.0	20.0	
Isopropylbenzene	49.4	50.0	LINR	1.2	20.0	
Bromobenzene	47.1	50.0	AVRG	5.8	20.0	
n-Propylbenzene	48.1	50.0	LINR	3.8	20.0	
2-Chlorotoluene	47.5	50.0	AVRG	5.0	20.0	
4-Chlorotoluene	46.5	50.0	LINR	7.0	20.0	
1,3,5-Trimethylbenzene	41.3	50.0	LINR	17.4	20.0	
tert-Butylbenzene	43.4	50.0	LINR	13.2	20.0	
1,2,4-Trimethylbenzene	41.5	50.0	LINR	17.0	20.0	
sec-Butylbenzene	47.5	50.0	LINR	5.0	20.0	
p-Isopropyltoluene	41.7	50.0	LINR	16.6	20.0	
n-Butylbenzene	41.9	50.0	LINR	16.2	20.0	
1,2-Dibromo-3-chloropropane	34.4	50.0	LINR	31.2	20.0	<-
1,2,4-Trichlorobenzene	40.4	50.0	LINR	19.2	20.0	
Hexachlorobutadiene	44.1	50.0	LINR	11.8	20.0	
Naphthalene	33.2	50.0	LINR	33.6	20.0	<-
1,2,3-Trichlorobenzene	41.4	50.0	LINR	17.2	20.0	
Acrolein	2000	1000	AVRG	-99.9	20.0	<-
Carbon Disulfide	87.2	100	AVRG	12.8	20.0	
Acetone	575	250	LINR	-99.9	20.0	<-
Acrylonitrile	853	1000	AVRG	14.7	20.0	
Vinyl Acetate	135	200	AVRG	32.5	20.0	<-
2-Butanone	334	250	AVRG	-33.6	20.0	<-
2-Chloroethyl vinyl ether	51.3	100	LINR	48.7	20.0	<-
4-Methyl-2-Pentanone	216	250	LINR	13.6	20.0	
2-Hexanone	345	250	LINR	-38.0	20.0	<-
Methyl-tert-butyl ether	87.9	100	LINR	12.1	20.0	
Iodomethane	95.6	100	LINR	4.4	20.0	
trans-1,4-Dichloro-2-butene	40.2	50.0	LINR	19.6	20.0	
Ethyl Methacrylate	40.5	50.0	LINR	19.0	20.0	
2,methyl-naphthalene	42.1	50.0	LINR	15.8	20.0	
n-Hexane	51.6	50.0	LINR	-3.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041509.B

Instrument ID: 50MSV5 Calibration Date: 04/15/09 Time: 1202

Lab File ID: B02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1324 1741

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	53.7	50.0	LINR	-7.4	20.0	
1,2-dichlorotrifluoroethane	52.4	50.0	LINR	-4.8	20.0	
Tetrahydrofuran	24.2	50.0	LINR	51.6	20.0	<-
allyl chloride	89.4	100	AVRG	10.6	20.0	
Diethyl ether	44.6	50.0	LINR	10.8	20.0	
Isobutyl alcohol	192	50.0	LINR	-99.9	20.0	<-
Methyl methacrylate	40.0	50.0	LINR	20.0	20.0	
Propionitrile	0.000	50.0	LINR	100.0	20.0	<-
tert-Butyl Alcohol	88.0	100	LINR	12.0	20.0	
2,2,4-Trimethylpentane	43.1	50.0	LINR	13.8	20.0	
Methyl Acetate	83.5	50.0	LINR	-67.0	20.0	<-
Cyclohexane	47.4	50.0	LINR	5.2	20.0	
Methylcyclohexane	44.5	50.0	LINR	11.0	20.0	
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Toluene-d8	51.7	50.0	AVRG	-3.4	20.0	
4-Bromofluorobenzene	51.7	50.0	AVRG	-3.4	20.0	
Dibromofluoromethane (S)	49.0	50.0	AVRG	2.0	20.0	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B00BFB.D

Date : 15-APR-2009 10:49

Client ID: bfb050

Instrument: 50MSV5.i

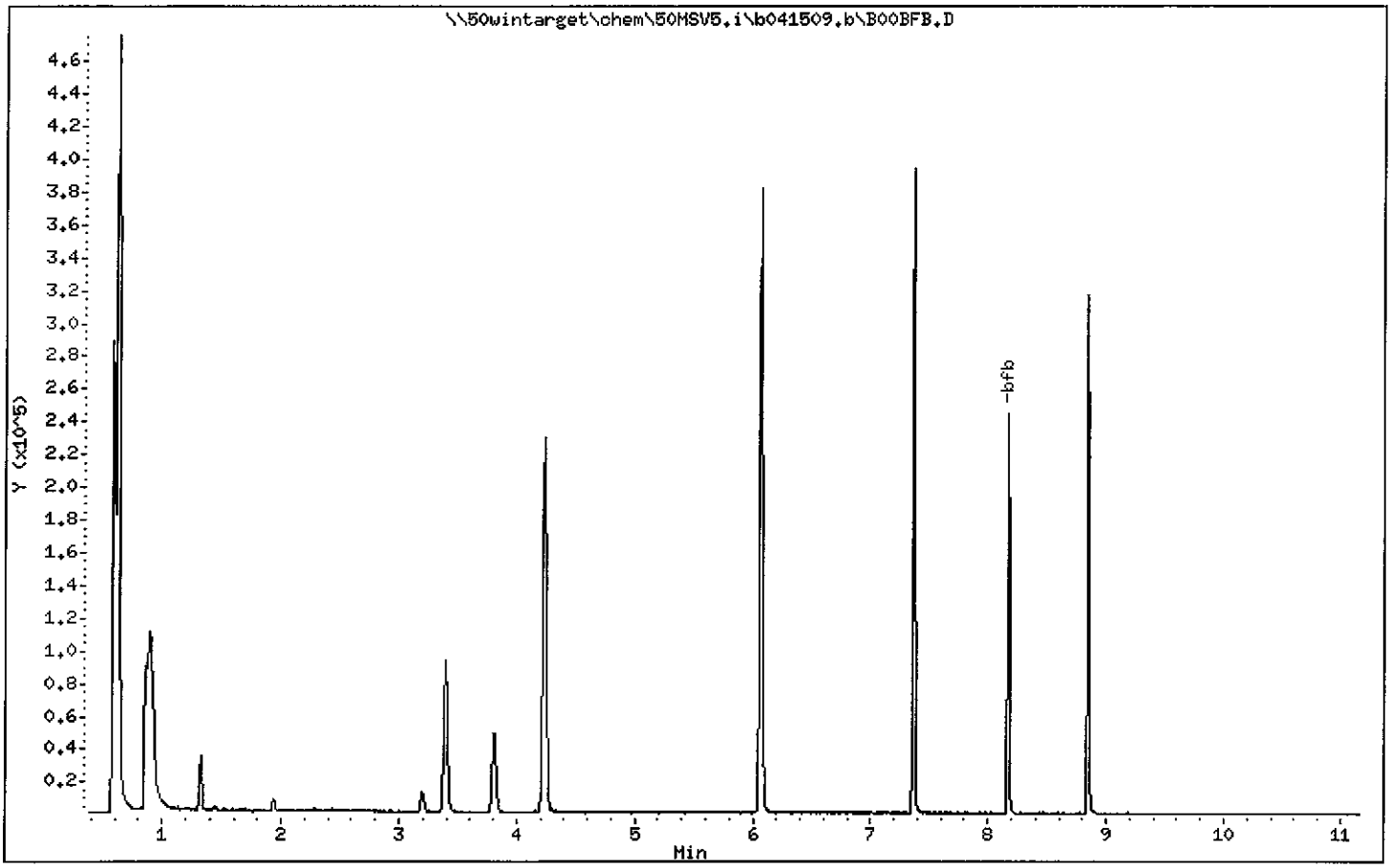
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B00BFB.D

Date : 15-APR-2009 10:49

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

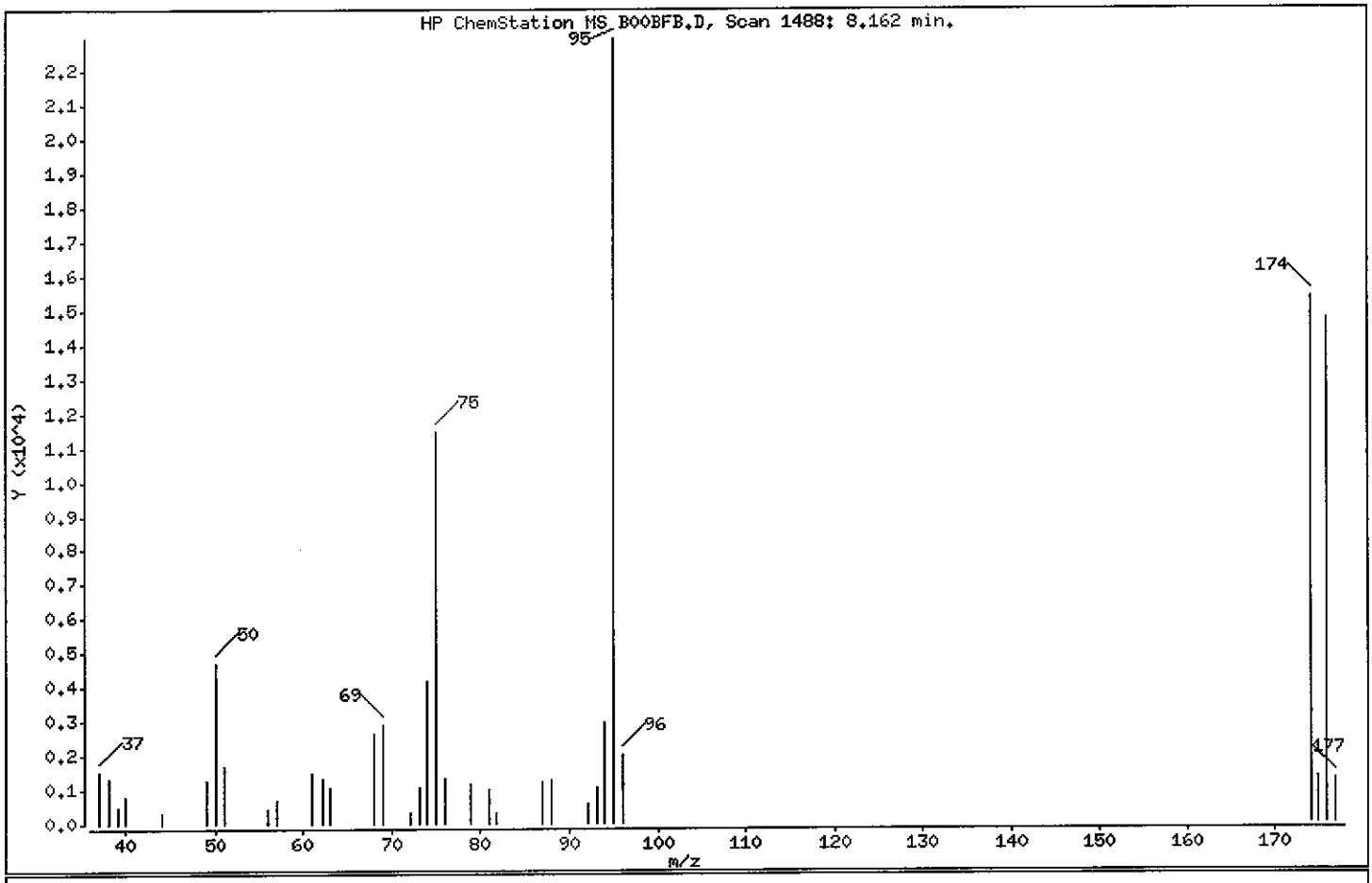
Volume Injected (uL): 1.0

Operator: ala

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	20.53
75	30.00 - 60.00% of mass 95	49.88
96	5.00 - 9.00% of mass 95	8.69
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	67.01
175	5.00 - 9.00% of mass 174	5.80 (8.65)
176	95.00 - 101.00% of mass 174	64.22 (95.85)
177	5.00 - 9.00% of mass 176	5.54 (8.63)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B00BFB.D

Date : 15-APR-2009 10:49

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: B00BFB.D
Spectrum: HP ChemStation MS B00BFB.D, Scan 1488: 8.162 min.
Location of Maximum: 95.00
Number of points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1528	57.00	672	75.00	11456	94.00	2975
38.10	1296	61.00	1503	76.00	1328	95.00	22968
39.10	493	62.10	1336	78.90	1138	96.00	1996
40.00	784	63.00	1034	80.90	1014	174.00	15390
44.00	333	68.00	2662	81.80	313	175.00	1331
49.00	1243	69.00	2927	87.00	1212	176.00	14751
50.10	4716	72.00	332	87.90	1241	177.00	1273
51.00	1688	73.00	1057	92.00	603		
56.00	399	74.00	4177	93.00	1047		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B02CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 15-APR-2009 12:02
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 6 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

using LCS as opening QC
AA 4.2009

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.965	0.965	(0.228)	102414	50.0000	48.3
2 Chloromethane	50	1.054	1.054	(0.249)	103155	50.0000	49.8
3 Vinyl Chloride	62	1.096	1.096	(0.259)	106105	50.0000	53.8
4 Bromomethane	94	1.253	1.253	(0.296)	75367	50.0000	57.0
139 Methyl Acetate	43	1.865	1.865	(0.440)	35663	50.0000	83.5
5 Chloroethane	64	1.295	1.295	(0.305)	58884	50.0000	52.1
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	237639	50.0000	58.4
7 Diethyl ether	74	1.540	1.540	(0.363)	23088	50.0000	44.6
8 Acrolein	56	1.608	1.608	(0.379)	109754	1000.00	2000
9 1,1-Dichloroethene	96	1.666	1.666	(0.393)	87343	50.0000	48.4
10 1,1,2trichlorotrifluoroethane	101	1.661	1.661	(0.392)	114193	50.0000	53.7
11 Acetone	43	1.687	1.687	(0.398)	99216	250.000	575
12 Iodomethane	142	1.760	1.760	(0.415)	307140	100.000	95.6
13 Carbon Disulfide	76	1.797	1.797	(0.424)	442467	100.000	87.2
142 Acetonitrile	41	1.859	1.859	(0.439)	244910	1000.00	
14 allyl chloride	41	1.859	1.859	(0.439)	244910	100.000	89.4
15 Methylene Chloride	84	1.933	1.933	(0.456)	68973	50.0000	45.9
16 Acrylonitrile	53	2.084	2.084	(0.492)	171862	1000.00	853
17 tert-Butyl Alcohol	59	1.540	1.540	(0.363)	36105	100.000	88.0
18 1,2-Dichloroethene (trans)	96	2.105	2.105	(0.497)	97252	50.0000	48.3
19 Methyl-tert-butyl ether	73	2.105	2.105	(0.497)	208531	100.000	87.9
20 n-Hexane	57	2.288	2.288	(0.540)	147905	50.0000	51.6
21 1,1-Dichloroethane	63	2.398	2.398	(0.566)	152912	50.0000	43.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 Vinyl Acetate	43	2.435	2.435	(0.574)	214461	200.000	135
	143 Chloroprene	53	2.477	2.477	(0.584)	131259	50.0000	
	24 2,2-Dichloropropane	77	2.895	2.895	(0.683)	54018	50.0000	42.4
	25 1,2-Dichloroethene (cis)	96	2.890	2.890	(0.682)	85242	50.0000	44.6
	26 2-Butanone	43	2.916	2.916	(0.688)	109252	250.000	334
	144 Methacrylonitrile	41	3.130	3.130	(0.738)	15402	250.000	
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.362)	120351	50.0000	52.4
	29 Bromochloromethane	49	3.125	3.125	(0.737)	53152	50.0000	44.7
	30 Tetrahydrofuran	42	3.193	3.193	(0.753)	22913	50.0000	24.2
	31 Chloroform	83	3.214	3.214	(0.758)	131491	50.0000	44.4
$	32 Dibromofluoromethane (S)	113	3.392	3.392	(0.800)	79857	50.0000	49.0
	33 1,1,1-Trichloroethane	97	3.413	3.413	(0.805)	105301	50.0000	43.5
	35 Carbon Tetrachloride	117	3.612	3.612	(0.852)	94456	50.0000	43.8
	36 1,1-Dichloropropene	75	3.612	3.612	(0.852)	115550	50.0000	45.5
	37 Isobutyl alcohol	43	4.030	4.030	(0.951)	278657	50.0000	192(Q)
	140 Cyclohexane	56	3.476	3.476	(0.820)	156945	50.0000	47.4
	38 Benzene	78	3.878	3.878	(0.915)	292854	50.0000	47.0
	39 1,2-Dichloroethane	62	3.904	3.904	(0.921)	68533	50.0000	45.9
	138 2,2,4-Trimethylpentane	57	3.993	3.993	(0.942)	330014	50.0000	43.1
	141 Methylcyclohexane	55	4.893	4.893	(1.154)	123418	50.0000	44.5
*	40 Fluorobenzene	96	4.239	4.239	(1.000)	328971	50.0000	
	41 Trichloroethene	95	4.678	4.678	(1.104)	91017	50.0000	44.8
	42 1,2-Dichloropropane	63	4.940	4.940	(1.165)	69214	50.0000	46.6
	43 Dibromomethane	93	5.076	5.076	(1.197)	28551	50.0000	45.7
	44 Methyl methacrylate	69	5.134	5.134	(1.211)	14024	50.0000	40.0
	45 Bromodichloromethane	83	5.269	5.269	(1.243)	75206	50.0000	43.8
	46 2-Chloroethyl vinyl ether	63	5.651	5.651	(0.768)	5011	100.000	51.3
	145 1,4-Dioxane	88	5.134	5.134	(1.211)	4491	1000.00	
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	63981	50.0000	43.0
	48 4-Methyl-2-Pentanone	43	5.986	5.986	(0.813)	121541	250.000	216
$	49 Toluene-d8	98	6.064	6.064	(0.824)	316173	50.0000	51.7
	50 Toluene	91	6.138	6.138	(0.834)	338804	50.0000	45.1
	51 trans-1,3-Dichloropropene	75	6.399	6.399	(0.869)	37367	50.0000	41.4
	52 Ethyl Methacrylate	69	6.525	6.525	(0.886)	29155	50.0000	40.5
	53 1,1,2-Trichloroethane	83	6.567	6.567	(0.892)	33109	50.0000	48.7
	54 Tetrachloroethene	166	6.682	6.682	(0.908)	108480	50.0000	44.0
	55 1,3-Dichloropropane	76	6.718	6.718	(0.913)	63786	50.0000	47.2
	56 2-Hexanone	43	6.823	6.823	(0.927)	121461	250.000	345
	57 Dibromochloromethane	129	6.907	6.907	(0.938)	45750	50.0000	45.7
	58 1,2-Dibromoethane	107	6.990	6.990	(0.950)	36233	50.0000	45.7
*	59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	200005	50.0000	
	60 Chlorobenzene	112	7.383	7.383	(1.003)	221400	50.0000	49.3
	61 1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	54304	50.0000	43.5
	62 Ethylbenzene	106	7.477	7.477	(1.016)	133651	50.0000	48.4
	63 m&p-Xylene	106	7.560	7.560	(1.027)	344794	100.000	95.7
	65 o-Xylene	106	7.832	7.832	(1.064)	152224	50.0000	48.2
	66 Styrene	104	7.843	7.843	(1.065)	216723	50.0000	46.1
	67 Bromoform	173	7.958	7.958	(0.900)	17762	50.0000	40.8
	68 Isopropylbenzene	105	8.073	8.073	(1.097)	426504	50.0000	49.4
	69 trans-1,4-Dichloro-2-butene	53	8.298	8.298	(1.127)	5693	50.0000	40.2(Q)
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	85045	50.0000	51.7
	71 Bromobenzene	77	8.256	8.256	(1.121)	96874	50.0000	47.1
	72 1,1,2,2-Tetrachloroethane	83	8.266	8.266	(0.934)	35211	50.0000	44.2
	73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	27760	50.0000	38.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
74 n-Propylbenzene	91	8.329	8.329	(0.941)	501391	50.0000	48.1
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	253912	50.0000	47.5
76 4-Chlorotoluene	126	8.444	8.444	(0.954)	101880	50.0000	46.5
77 1,3,5-Trimethylbenzene	105	8.434	8.434	(0.953)	300556	50.0000	41.3
78 tert-Butylbenzene	119	8.622	8.622	(0.975)	377638	50.0000	43.4
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	279544	50.0000	41.5
80 sec-Butylbenzene	105	8.748	8.748	(0.989)	489121	50.0000	47.5
81 1,3-Dichlorobenzene	146	8.810	8.810	(0.996)	176674	50.0000	47.7
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	107120	50.0000	
83 p-Isopropyltoluene	119	8.826	8.826	(0.998)	386000	50.0000	41.7
84 1,4-Dichlorobenzene	146	8.857	8.857	(1.001)	155847	50.0000	42.5
85 1,2-Dichlorobenzene	146	9.061	9.061	(1.024)	141646	50.0000	47.1
86 n-Butylbenzene	91	9.046	9.046	(1.022)	317039	50.0000	41.9
87 1,2-Dibromo-3-chloropropane	155	9.469	9.469	(1.070)	2636	50.0000	34.4
88 1,2,4-Trichlorobenzene	180	9.883	9.883	(1.117)	73787	50.0000	40.4
89 Hexachlorobutadiene	225	9.961	9.961	(1.126)	72437	50.0000	44.1
90 Naphthalene	128	10.019	10.019	(1.132)	81673	50.0000	33.2
91 1,2,3-Trichlorobenzene	180	10.144	10.144	(1.147)	60229	50.0000	41.4
92 2,methyl-naphthalene	142	10.651	10.651	(1.204)	17022	50.0000	42.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B02CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:25
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	328971	-4.52
59 Chlorobenzene-d5	214804	107402	429608	200005	-6.89
82 1,4-Dichlorobenze	110737	55369	221474	107120	-3.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.25	3.75	4.75	4.24	-0.25
59 Chlorobenzene-d5	7.37	6.87	7.87	7.36	-0.14
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: B02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m

Injection Date: 15-APR-2009 12:02
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:24 17:41
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.32240	0.31132	0.31132	0.100	-3.43732	20.00000	Averaged
2 Chloromethane	0.31494	0.31357	0.31357	0.100	-0.43427	20.00000	Averaged
3 Vinyl Chloride	50.00000	53.78530	0.32254	0.100	7.57060	0.000e+000	Quadratic
4 Bromomethane	0.20106	0.22910	0.22910	0.100	13.94711	20.00000	Averaged
139 Methyl Acetate	50.00000	83.47455	0.10841	0.100	66.94910	0.000e+000	Linear
5 Chloroethane	0.17165	0.17899	0.17899	0.100	4.27611	20.00000	Averaged
6 Trichlorofluoromethane	0.61882	0.72237	0.72237	0.100	16.73318	20.00000	Averaged
7 Diethyl ether	50.00000	44.55093	0.07018	0.100	-10.89815	0.000e+000	Linear
8 Acrolein	0.00836	0.01668	0.01668	0.100	100	20.00000	Averaged <-
9 1,1-Dichloroethene	50.00000	48.41767	0.26550	0.100	-3.16465	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	50.00000	53.68372	0.34712	0.100	7.36745	0.000e+000	Linear
11 Acetone	250	575	0.06032	0.100	130	0.000e+000	Linear
12 Iodomethane	100	95.61988	0.46682	0.100	-4.38012	0.000e+000	Linear
13 Carbon Disulfide	0.77158	0.67250	0.67250	0.100	-12.84052	20.00000	Averaged
142 Acetonitrile	++++	0.03722	0.03722	0.100	++++	20.00000	Averaged <-
14 allyl chloride	0.41639	0.37224	0.37224	0.100	-10.60481	20.00000	Averaged
15 Methylene Chloride	50.00000	45.89523	0.20966	0.100	-8.20954	0.000e+000	Linear
16 Acrylonitrile	0.03062	0.02612	0.02612	0.100	-14.67900	20.00000	Averaged
17 tert-Butyl Alcohol	100	88.04720	0.05488	0.100	-11.95280	0.000e+000	Linear
18 1,2-Dichloroethene (trans)	0.30597	0.29562	0.29562	0.100	-3.38006	20.00000	Averaged
19 Methyl-tert-butyl ether	100	87.86654	0.31694	0.100	-12.13346	0.000e+000	Linear
20 n-Hexane	50.00000	51.61985	0.44960	0.100	3.23970	0.000e+000	Linear
21 1,1-Dichloroethane	0.53441	0.46482	0.46482	0.100	-13.02189	20.00000	Averaged
23 Vinyl Acetate	0.24165	0.16298	0.16298	0.100	-32.55521	20.00000	Averaged <-
143 Chloroprene	++++	0.39900	0.39900	0.100	++++	20.00000	Averaged <-
24 2,2-Dichloropropane	50.00000	42.38521	0.16420	0.100	-15.22957	0.000e+000	Quadratic
25 1,2-Dichloroethene (cis)	0.29030	0.25912	0.25912	0.100	-10.74194	20.00000	Averaged
26 2-Butanone	0.04970	0.06642	0.06642	0.100	33.63203	20.00000	Averaged <-
27 Propionitrile	++++	++++	++++	0.100	++++	0.000e+000	Linear <-
144 Methacrylonitrile	++++	0.00936	0.00936	0.100	++++	20.00000	Averaged <-
28 1,2-dichlorotrifluoroethane	50.00000	52.39120	0.36584	0.100	4.78240	0.000e+000	Linear
29 Bromochloromethane	50.00000	44.66425	0.16157	0.100	-10.67150	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	24.15035	0.06965	0.100	-51.69930	0.000e+000	Linear
31 Chloroform	0.44955	0.39970	0.39970	0.100	-11.08740	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.24767	0.24275	0.24275	0.100	-1.98923	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	43.48507	0.32009	0.100	-13.02987	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	43.81338	0.28713	0.100	-12.37324	0.000e+000	Linear
36 1,1-Dichloropropene	50.00000	45.50269	0.35125	0.100	-8.99462	0.000e+000	Linear
37 Isobutyl alcohol	50.00000	192	0.84706	0.100	284	0.000e+000	Linear
140 Cyclohexane	50.00000	47.37731	0.47708	0.100	-5.24537	0.000e+000	Linear
38 Benzene	0.94792	0.89021	0.89021	0.100	-6.08771	20.00000	Averaged
39 1,2-Dichloroethane	0.22670	0.20833	0.20833	0.100	-8.10649	20.00000	Averaged
138 2,2,4-Trimethylpentane	50.00000	43.07414	1.00317	0.100	-13.85172	0.000e+000	Linear

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: B02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m

Injection Date: 15-APR-2009 12:02
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:24 17:41
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
141 Methylcyclohexane	50.00000	44.46504	0.37516	0.100	-11.06992	0.000e+000	Linear
41 Trichloroethene	0.30857	0.27667	0.27667	0.100	-10.33648	20.00000	Averaged
42 1,2-Dichloropropane	0.22591	0.21040	0.21040	0.100	-6.86807	20.00000	Averaged
43 Dibromomethane	50.00000	45.68737	0.08679	0.100	-8.62526	0.000e+000	Linear
44 Methyl methacrylate	50.00000	40.00051	0.04263	0.100	-19.99897	0.000e+000	Linear
45 Bromodichloromethane	50.00000	43.83594	0.22861	0.100	-12.32812	0.000e+000	Linear
46 2-Chloroethyl vinyl ether	100	51.27375	0.01253	0.100	-48.72625	0.000e+000	Linear
145 1,4-Dioxane	++++	0.00068	0.00068	0.100	++++	20.00000	Averaged <-
47 cis-1,3-Dichloropropene	50.00000	42.97435	0.31990	0.100	-14.05131	0.000e+000	Linear
48 4-Methyl-2-Pentanone	250	216	0.12154	0.100	-13.45979	0.000e+000	Linear
$ 49 Toluene-d8	1.52964	1.58083	1.58083	0.100	3.34650	20.00000	Averaged
50 Toluene	1.87671	1.69398	1.69398	0.100	-9.73678	20.00000	Averaged
51 trans-1,3-Dichloropropene	50.00000	41.35003	0.18683	0.100	-17.29994	0.000e+000	Linear
52 Ethyl Methacrylate	50.00000	40.50168	0.14577	0.100	-18.99664	0.000e+000	Linear
53 1,1,2-Trichloroethane	50.00000	48.71499	0.16554	0.100	-2.57002	0.000e+000	Linear
54 Tetrachloroethene	50.00000	44.05468	0.54239	0.100	-11.89063	0.000e+000	Linear
55 1,3-Dichloropropane	50.00000	47.23210	0.31892	0.100	-5.53580	0.000e+000	Linear
56 2-Hexanone	250	345	0.12146	0.100	37.87494	0.000e+000	Linear
57 Dibromochloromethane	50.00000	45.67676	0.22874	0.100	-8.64649	0.000e+000	Linear
58 1,2-Dibromoethane	50.00000	45.70055	0.18116	0.100	-8.59890	0.000e+000	Linear
60 Chlorobenzene	1.12329	1.10697	1.10697	0.100	-1.45241	20.00000	Averaged
61 1,1,1,2-Tetrachloroethane	50.00000	43.49013	0.27151	0.100	-13.01973	0.000e+000	Linear
62 Ethylbenzene	50.00000	48.40829	0.66824	0.100	-3.18342	0.000e+000	Linear
63 m&p-Xylene	100	95.73815	0.86196	0.100	-4.26185	0.000e+000	Linear
65 o-Xylene	50.00000	48.18862	0.76110	0.100	-3.62276	0.000e+000	Linear
66 Styrene	50.00000	46.12470	1.08359	0.100	-7.75059	0.000e+000	Linear
67 Bromoform	50.00000	40.84812	0.16581	0.100	-18.30375	0.000e+000	Linear
68 Isopropylbenzene	50.00000	49.37223	2.13200	0.100	-1.25554	0.000e+000	Linear
69 trans-1,4-Dichloro-2-butene	50.00000	40.20667	0.02846	0.100	-19.58666	0.000e+000	Linear
$ 70 4-Bromofluorobenzene	0.41097	0.42521	0.42521	0.100	3.46525	20.00000	Averaged
71 Bromobenzene	0.51377	0.48436	0.48436	0.100	-5.72485	20.00000	Averaged
72 1,1,2,2-Tetrachloroethane	0.37206	0.32871	0.32871	0.100	-11.65338	20.00000	Averaged
73 1,2,3-Trichloropropane	50.00000	38.27199	0.25915	0.100	-23.45602	0.000e+000	Linear
74 n-Propylbenzene	50.00000	48.08571	4.68065	0.100	-3.82858	0.000e+000	Linear
75 2-Chlorotoluene	2.49579	2.37035	2.37035	0.100	-5.02604	20.00000	Averaged
76 4-Chlorotoluene	50.00000	46.46087	0.95108	0.100	-7.07825	0.000e+000	Linear
77 1,3,5-Trimethylbenzene	50.00000	41.30333	2.80579	0.100	-17.39333	0.000e+000	Linear
78 tert-Butylbenzene	50.00000	43.44321	3.52537	0.100	-13.11358	0.000e+000	Linear
79 1,2,4-Trimethylbenzene	50.00000	41.48048	2.60963	0.100	-17.03903	0.000e+000	Linear
80 sec-Butylbenzene	50.00000	47.53451	4.56610	0.100	-4.93097	0.000e+000	Linear
81 1,3-Dichlorobenzene	1.72970	1.64931	1.64931	0.100	-4.64770	20.00000	Averaged
83 p-Isopropyltoluene	50.00000	41.70282	3.60344	0.100	-16.59436	0.000e+000	Linear

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: B02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m

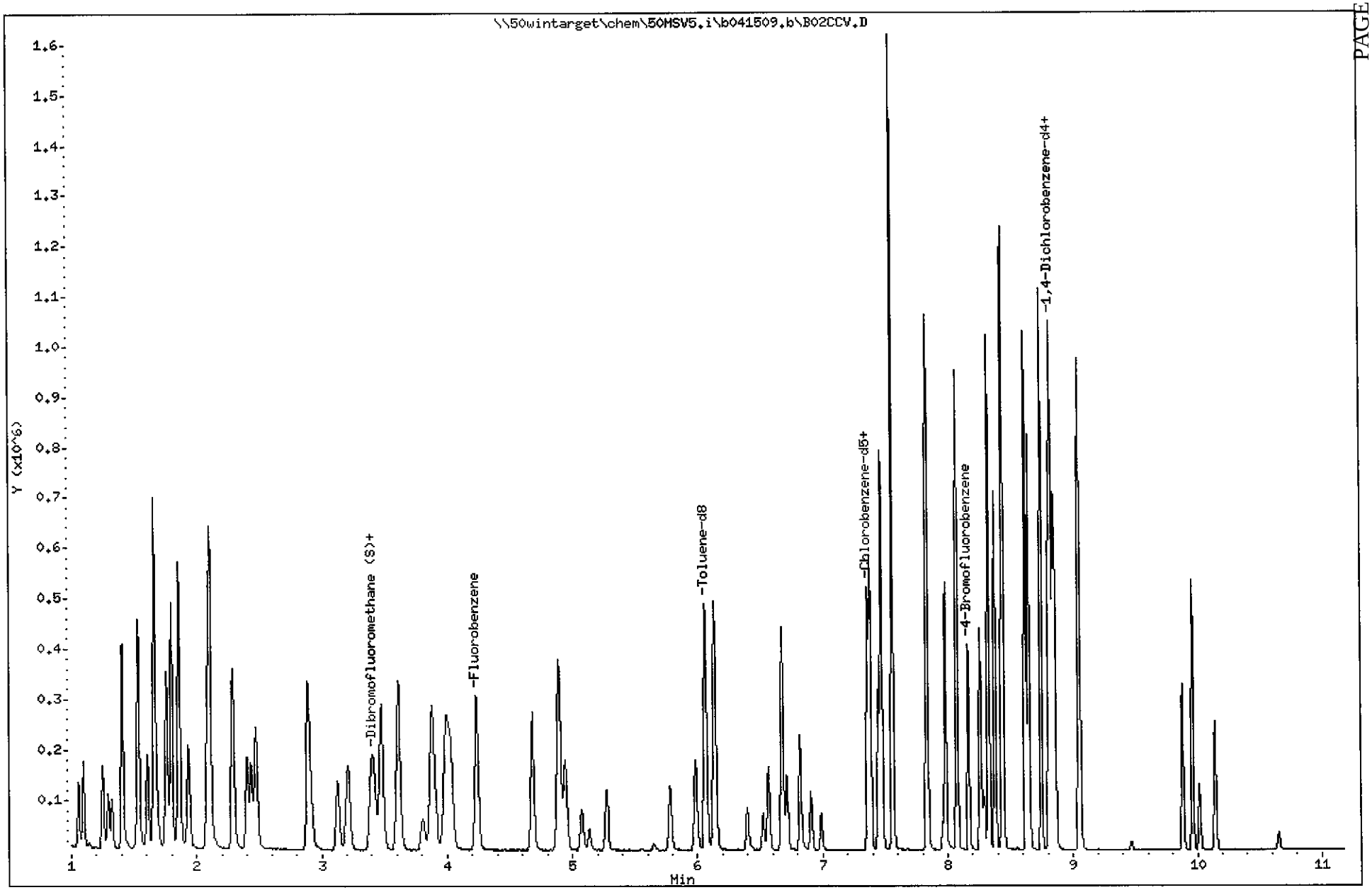
Injection Date: 15-APR-2009 12:02
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:24 17:41
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.71141	1.45488	1.45488	0.100	-14.98905	20.00000	Averaged
85 1,2-Dichlorobenzene	1.40323	1.32231	1.32231	0.100	-5.76664	20.00000	Averaged
86 n-Butylbenzene	50.00000	41.90742	2.95966	0.100	-16.18515	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	34.44962	0.02461	0.100	-31.10077	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	40.38586	0.68883	0.100	-19.22829	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	44.11242	0.67622	0.100	-11.77516	0.000e+000	Linear
90 Naphthalene	50.00000	33.19168	0.76244	0.100	-33.61665	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	41.39786	0.56226	0.100	-17.20428	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	42.06240	0.15891	0.100	-15.87519	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B02CCV.D
Date : 15-APR-2009 12:02
Client ID: ccv
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B02CCV.D

Date : 15-APR-2009 12:02

Client ID: ccv

Instrument: 50MSV5.i

Sample Info: lcs

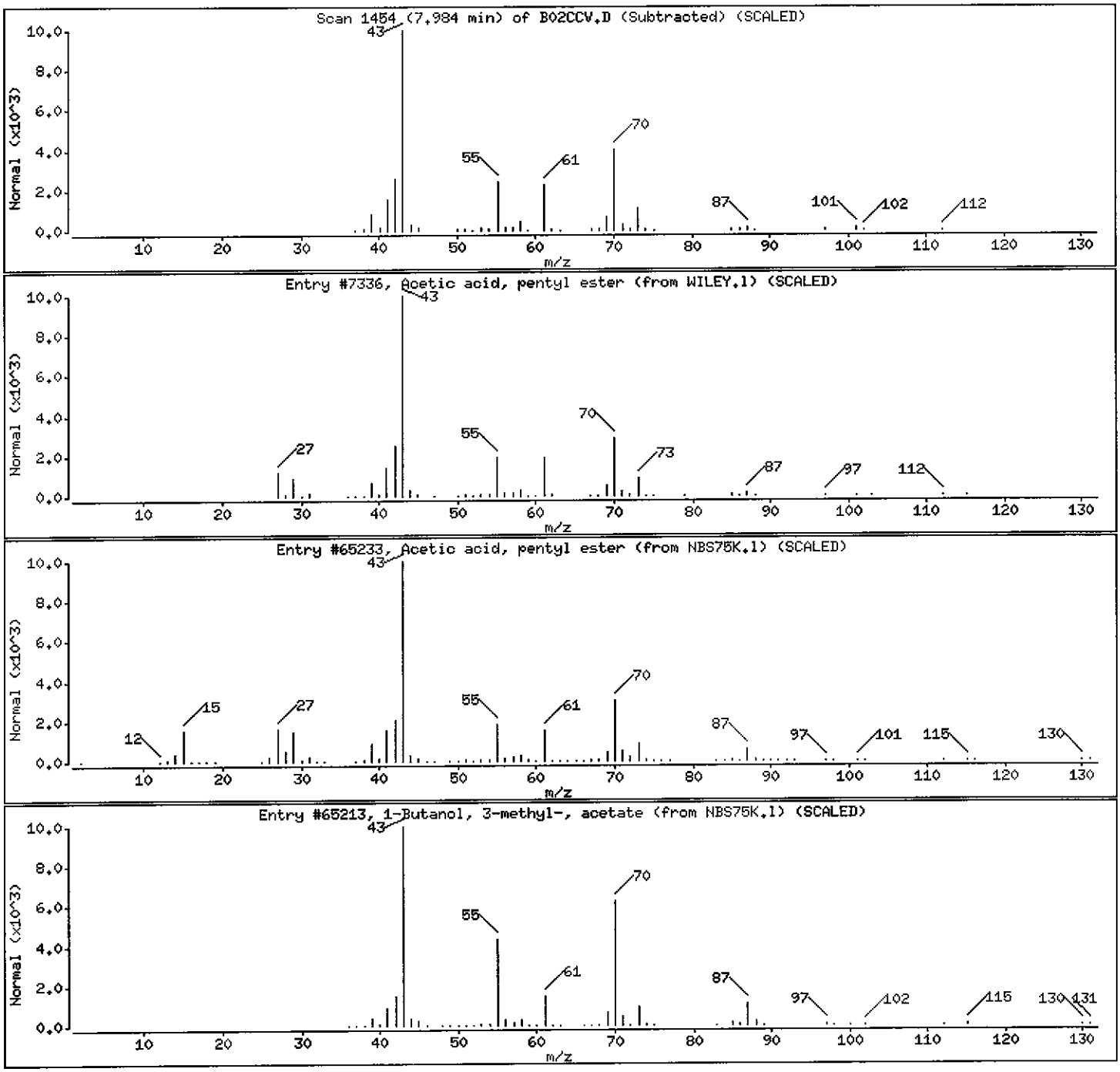
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H14O2	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65233	83	C7H14O2	130
1-Butanol, 3-methyl-, acetate	123-92-2	NBS75K.l	65213	64	C7H14O2	130



5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Lab File ID: A00BFB BFB Injection Date: 04/16/09

Instrument ID: 50MSV5 BFB Injection Time: 1020

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	88.3
175	5.0 - 9.0% of mass 174	6.0 (6.8)1
176	95.0 - 101.0% of mass 174	87.9 (99.6)1
177	5.0 - 9.0% of mass 176	5.5 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	LCS	287803	A02LCS	04/16/09	1132
02	CCV	CCV	A02CCV	04/16/09	1132
03	MB	287802	A03MB	04/16/09	1208
04	66025	5025166025	A04	04/16/09	1244
05	MS025	287804	A05	04/16/09	1320
06	MSD025	287805	A06	04/16/09	1356
07	66028	5025166028	A07	04/16/09	1432
08	66029	5025166029	A08	04/16/09	1508
09	66030	5025166030	A09	04/16/09	1544
10	66031	5025166031	A10	04/16/09	1619
11	66032	5025166032	A11	04/16/09	1655
12	66033	5025166033	A12	04/16/09	1731
13	66037	5025166037	A13	04/16/09	1807
14	66038	5025166038	A14	04/16/09	1843
15	66039	5025166039	A15	04/16/09	1918
16	66040	5025166040	A16	04/16/09	1954
17	66041	5025166041	A17	04/16/09	2030
18	66030	5025166030	A18	04/16/09	2107
19					
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Instrument ID: 50MSV5 Calibration Date: 04/16/09 Time: 1132

Lab File ID: A02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d
Bromochloromethane	46.3	50.0	LINR	7.4	20.0
Chloromethane	50.2	50.0	LINR	-0.4	20.0
Bromomethane	53.3	50.0	AVRG	-6.6	20.0
Vinyl Chloride	49.0	50.0	AVRG	2.0	20.0
Chloroethane	52.8	50.0	LINR	-5.6	20.0
Methylene Chloride	47.1	50.0	LINR	5.8	20.0
1,1-Dichloroethene	48.0	50.0	AVRG	4.0	20.0
1,1-Dichloroethane	43.9	50.0	AVRG	12.2	20.0
1,2-Dichloroethene (trans)	49.5	50.0	AVRG	1.0	20.0
Chloroform	45.7	50.0	AVRG	8.6	20.0
1,2-Dichloroethane	45.4	50.0	AVRG	9.2	20.0
1,1,1-Trichloroethane	49.1	50.0	LINR	1.8	20.0
Carbon Tetrachloride	49.2	50.0	LINR	1.6	20.0
Bromodichloromethane	49.8	50.0	AVRG	0.4	20.0
1,2-Dichloropropane	49.4	50.0	AVRG	1.2	20.0
trans-1,3-Dichloropropene	42.1	50.0	LINR	15.8	20.0
Trichloroethene	47.7	50.0	LINR	4.6	20.0
Dibromochloromethane	46.6	50.0	LINR	6.8	20.0
1,1,2-Trichloroethane	49.6	50.0	AVRG	0.8	20.0
Benzene	48.6	50.0	AVRG	2.8	20.0
cis-1,3-Dichloropropene	43.2	50.0	LINR	13.6	20.0
Bromoform	44.1	50.0	LINR	11.8	20.0
Tetrachloroethene	44.2	50.0	AVRG	11.6	20.0
1,1,2,2-Tetrachloroethane	45.4	50.0	AVRG	9.2	20.0
Toluene	46.7	50.0	AVRG	6.6	20.0
Chlorobenzene	50.2	50.0	AVRG	-0.4	20.0
Ethylbenzene	51.2	50.0	AVRG	-2.4	20.0
Styrene	46.0	50.0	LINR	8.0	20.0
Trichlorofluoromethane	52.4	50.0	AVRG	-4.8	20.0
m&p-Xylene	100	100	AVRG	0.0	20.0
1,2-Dichloroethene (cis)	47.5	50.0	AVRG	5.0	20.0
o-Xylene	50.9	50.0	AVRG	-1.8	20.0
1,2,3-Trichloropropane	43.8	50.0	AVRG	12.4	20.0
1,3-Dichlorobenzene	51.4	50.0	AVRG	-2.8	20.0
1,4-Dichlorobenzene	44.5	50.0	AVRG	11.0	20.0
Dibromomethane	47.1	50.0	LINR	5.8	20.0
1,2-Dichlorobenzene	49.8	50.0	AVRG	0.4	20.0

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Instrument ID: 50MSV5 Calibration Date: 04/16/09 Time: 1132

Lab File ID: A02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	45.0	50.0	LINR	10.0	20.0	
2,2-Dichloropropane	49.7	50.0	2ORDR	0.6	20.0	
1,1-Dichloropropene	51.2	50.0	AVRG	-2.4	20.0	
1,3-Dichloropropane	48.6	50.0	AVRG	2.8	20.0	
1,2-Dibromoethane	45.4	50.0	LINR	9.2	20.0	
1,1,1,2-Tetrachloroethane	46.9	50.0	LINR	6.2	20.0	
Isopropylbenzene	43.5	50.0	LINR	13.0	20.0	
Bromobenzene	47.3	50.0	AVRG	5.4	20.0	
n-Propylbenzene	52.8	50.0	AVRG	-5.6	20.0	
2-Chlorotoluene	50.8	50.0	AVRG	-1.6	20.0	
4-Chlorotoluene	50.9	50.0	AVRG	-1.8	20.0	
1,3,5-Trimethylbenzene	45.6	50.0	AVRG	8.8	20.0	
tert-Butylbenzene	49.1	50.0	AVRG	1.8	20.0	
1,2,4-Trimethylbenzene	46.9	50.0	AVRG	6.2	20.0	
sec-Butylbenzene	54.8	50.0	AVRG	-9.6	20.0	
p-Isopropyltoluene	49.1	50.0	AVRG	1.8	20.0	
n-Butylbenzene	45.2	50.0	LINR	9.6	20.0	
1,2-Dibromo-3-chloropropane	43.4	50.0	LINR	13.2	20.0	
1,2,4-Trichlorobenzene	46.1	50.0	LINR	7.8	20.0	
Hexachlorobutadiene	48.6	50.0	LINR	2.8	20.0	
Naphthalene	37.1	50.0	LINR	25.8	20.0	<-
1,2,3-Trichlorobenzene	46.9	50.0	LINR	6.2	20.0	
Acrolein	1810	1000	AVRG	-81.0	20.0	<-
Carbon Disulfide	90.2	100	LINR	9.8	20.0	
Acetone	475	250	LINR	-90.0	20.0	<-
Acrylonitrile	806	1000	AVRG	19.4	20.0	
Vinyl Acetate	124	200	LINR	38.0	20.0	<-
2-Butanone	315	250	AVRG	-26.0	20.0	<-
2-Chloroethyl vinyl ether	0.000	100	AVRG	100.0	20.0	<-
4-Methyl-2-Pentanone	201	250	LINR	19.6	20.0	
2-Hexanone	298	250	LINR	-19.2	20.0	
Methyl-tert-butyl ether	87.4	100	LINR	12.6	20.0	
Iodomethane	101	100	LINR	-1.0	20.0	
trans-1,4-Dichloro-2-butene	38.7	50.0	LINR	22.6	20.0	<-
Ethyl Methacrylate	41.1	50.0	LINR	17.8	20.0	
2,methyl-naphthalene	36.9	50.0	LINR	26.2	20.0	<-
n-Hexane	51.1	50.0	LINR	-2.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Instrument ID: 50MSV5 Calibration Date: 04/16/09 Time: 1132

Lab File ID: A02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	56.0	50.0	LINR	-12.0	20.0	
1,2-dichlorotrifluoroethane	51.0	50.0	AVRG	-2.0	20.0	
Tetrahydrofuran	19.8	50.0	LINR	60.4	20.0	<-
allyl chloride	90.3	100	AVRG	9.7	20.0	
Diethyl ether	44.0	50.0	LINR	12.0	20.0	
Isobutyl alcohol	63.0	50.0	AVRG	-26.0	20.0	<-
Methyl methacrylate	39.4	50.0	LINR	21.2	20.0	<-
Propionitrile	36.0	50.0	LINR	28.0	20.0	<-
tert-Butyl Alcohol	89.5	100	AVRG	10.5	20.0	
2,2,4-Trimethylpentane	49.5	50.0	AVRG	1.0	20.0	
Methyl Acetate	42.6	50.0	LINR	14.8	20.0	
Cyclohexane	52.5	50.0	AVRG	-5.0	20.0	
Methylcyclohexane	47.9	50.0	LINR	4.2	20.0	
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Toluene-d8	50.5	50.0	AVRG	-1.0	20.0	
4-Bromofluorobenzene	49.2	50.0	AVRG	1.6	20.0	
Dibromofluoromethane (S)	48.6	50.0	AVRG	2.8	20.0	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A00BFB.D

Date : 16-APR-2009 10:20

Client ID: bfb050

Instrument: 50MSV5.i

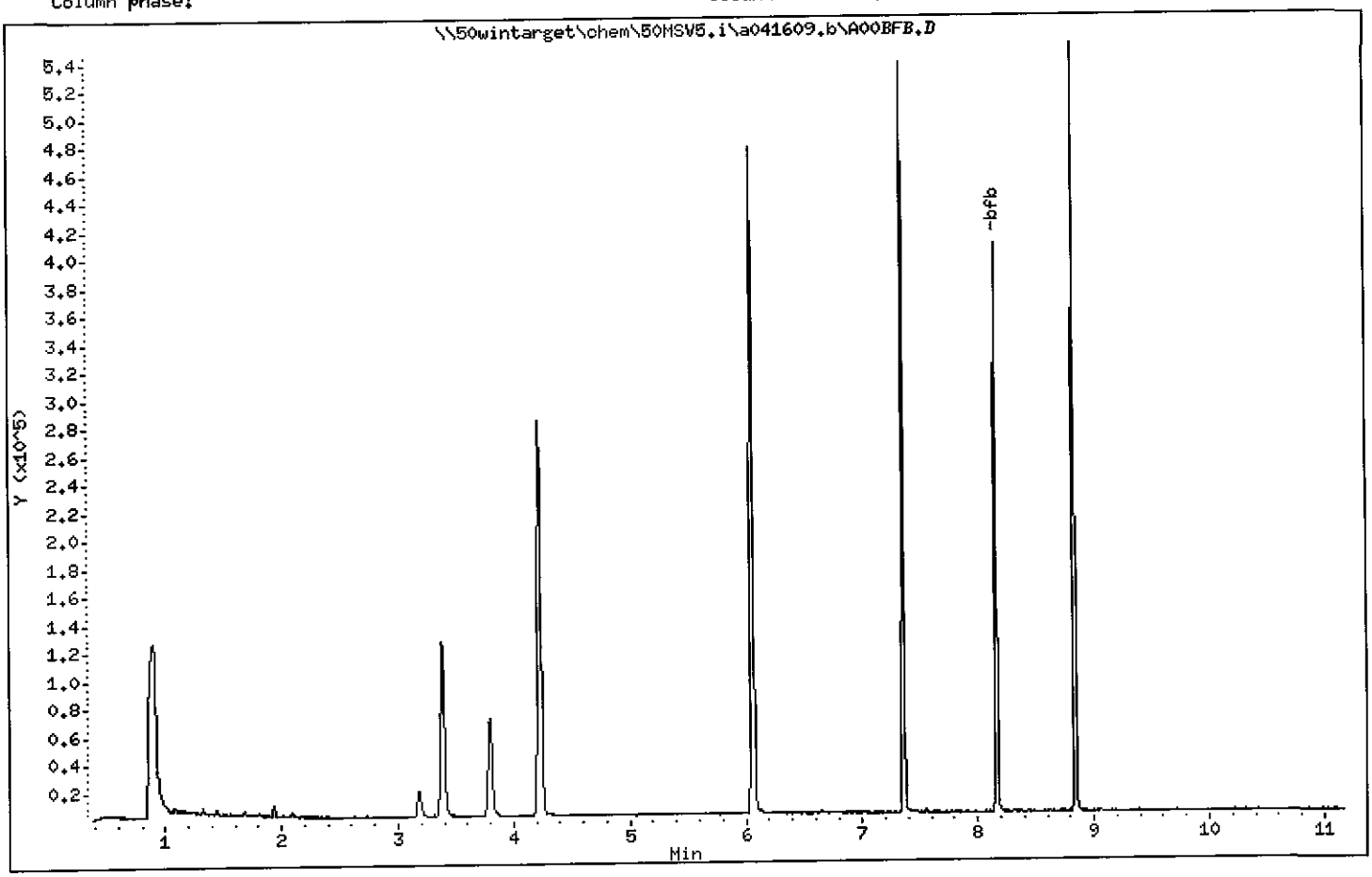
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A00BFB.D

Date : 16-APR-2009 10:20

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

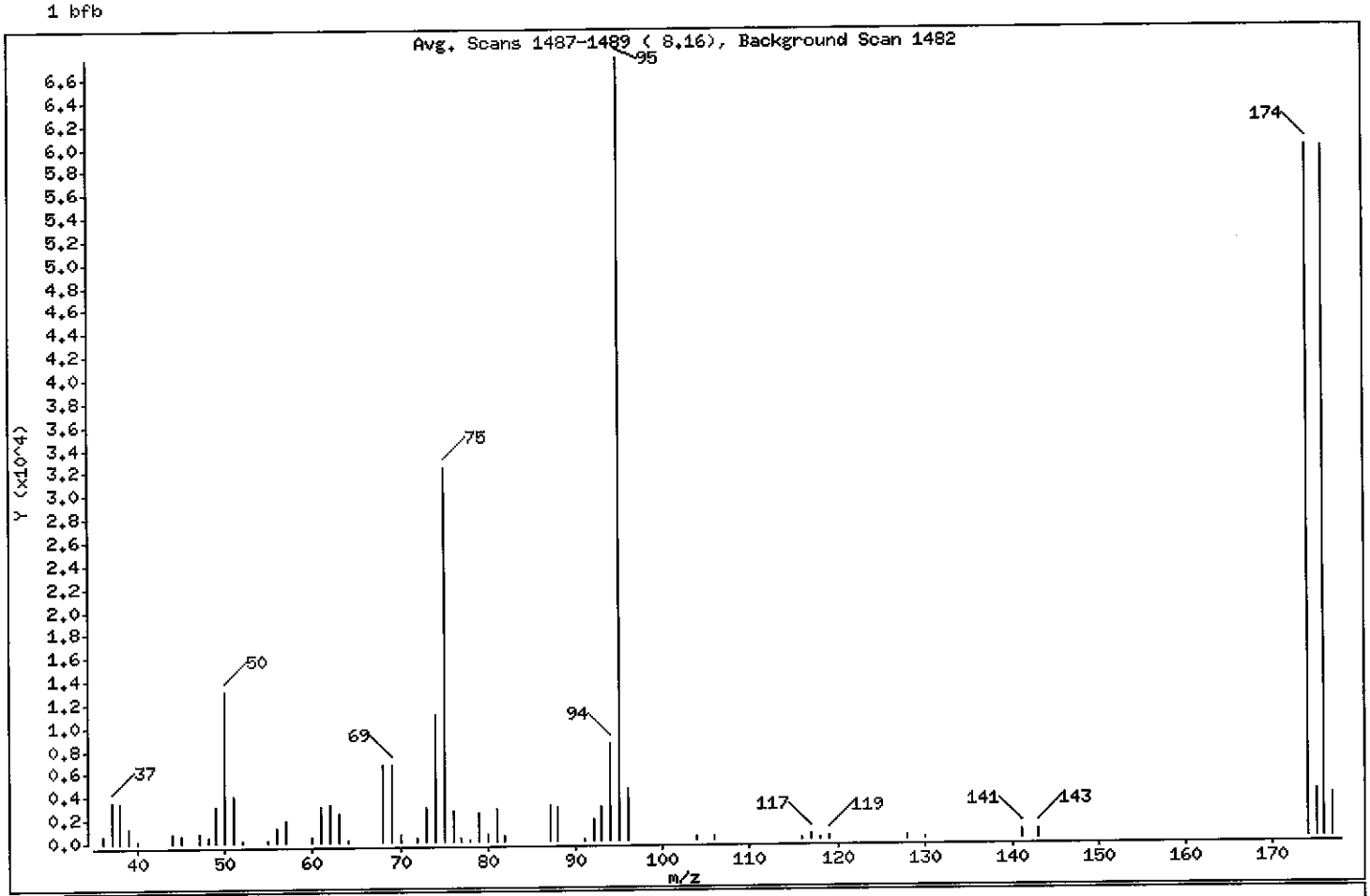
Volume Injected (uL): 1.0

Operator: ala

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	19.39
75	30.00 - 60.00% of mass 95	47.86
96	5.00 - 9.00% of mass 95	6.77
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	88.27
175	5.00 - 9.00% of mass 174	6.00 (6.79)
176	95.00 - 101.00% of mass 174	87.94 (99.63)
177	5.00 - 9.00% of mass 176	5.50 (6.25)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A00BFB.D

Date : 16-APR-2009 10:20

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: A00BFB.D

Spectrum: Avg. Scans 1487-1489 (8.16), Background Scan 1482

Location of Maximum: 95.00

Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	649	57.00	1922	78.00	106	116.00	122
37.00	3553	60.00	527	79.00	2530	117.00	417
38.00	3453	61.00	3155	80.00	638	118.00	107
39.00	1240	62.00	3315	81.00	2736	119.00	311
40.00	86	63.00	2500	82.00	507	128.00	276
44.00	738	64.00	101	87.00	3171	130.00	100
45.00	609	68.00	6708	88.00	3004	141.00	831
47.00	788	69.00	6753	91.00	225	143.00	827
48.00	441	70.00	636	92.00	1890	174.00	59768
49.00	3041	72.00	260	93.00	2882	175.00	4061
50.00	13131	73.00	2880	94.00	8454	176.00	59544
51.00	4050	74.00	10996	95.00	67712	177.00	3722
52.00	113	75.00	32408	96.00	4584		
55.00	116	76.00	2714	104.00	291		
56.00	1267	77.00	316	106.00	369		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A02CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 16-APR-2009 11:32
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 5 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

using LCS as opening QC
AA 4-10-09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.965	0.965	(0.228)	84269	50.0000	45.0
2 Chloromethane	50	1.054	1.059	(0.249)	102415	50.0000	50.2
3 Vinyl Chloride	62	1.096	1.101	(0.259)	96834	50.0000	49.0
4 Bromomethane	94	1.253	1.253	(0.296)	73362	50.0000	53.3
139 Methyl Acetate	43	2.100	2.100	(0.497)	39127	50.0000	42.6
5 Chloroethane	64	1.295	1.295	(0.306)	57441	50.0000	52.8
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	208502	50.0000	52.4
7 Diethyl ether	74	1.540	1.541	(0.364)	30220	50.0000	44.0
8 Acrolein	56	1.608	1.609	(0.380)	158829	1000.00	1810
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	86415	50.0000	48.0
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	110731	50.0000	56.0
11 Acetone	43	1.687	1.687	(0.399)	131841	250.000	475
12 Iodomethane	142	1.760	1.760	(0.416)	327280	100.000	101
13 Carbon Disulfide	76	1.802	1.802	(0.426)	433038	100.000	90.2
142 Acetonitrile	41	1.859	1.860	(0.440)	253445	1000.00	
14 allyl chloride	41	1.859	1.860	(0.440)	253445	100.000	90.3
15 Methylene Chloride	84	1.933	1.933	(0.457)	82233	50.0000	47.1
16 Acrylonitrile	53	2.084	2.085	(0.493)	278697	1000.00	806
17 tert-Butyl Alcohol	59	1.540	1.541	(0.364)	47203	100.000	89.5
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	97288	50.0000	49.5
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	173682	100.000	87.4
20 n-Hexane	57	2.283	2.289	(0.540)	140177	50.0000	51.1
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	147373	50.0000	43.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
23 Vinyl Acetate	43	2.429	2.430	(0.575)	275961	200.000	124
143 Chloroprene	53	2.466	2.472	(0.583)	105019	50.0000	
24 2,2-Dichloropropane	77	2.885	2.885	(0.682)	56870	50.0000	49.7
144 Methacrylonitrile	41	3.172	3.178	(0.750)	21658	250.000	
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	96237	50.0000	47.5
26 2-Butanone	43	2.900	2.906	(0.686)	141469	250.000	315
27 Propionitrile	54	2.968	2.974	(0.702)	4450	50.0000	36.0(Q)
28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	119346	50.0000	51.0
29 Bromochloromethane	49	3.125	3.120	(0.739)	68718	50.0000	46.3
30 Tetrahydrofuran	42	3.177	3.183	(0.751)	36031	50.0000	19.8
31 Chloroform	83	3.204	3.209	(0.758)	152285	50.0000	45.7
$ 32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	98502	50.0000	48.6
33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	114679	50.0000	49.1
35 Carbon Tetrachloride	117	3.601	3.607	(0.852)	103731	50.0000	49.2
36 1,1-Dichloropropene	75	3.606	3.607	(0.853)	117350	50.0000	51.2
37 Isobutyl alcohol	43	2.900	2.906	(0.686)	141469	50.0000	63.0(Q)
140 Cyclohexane	56	3.470	3.471	(0.821)	156282	50.0000	52.5
38 Benzene	78	3.868	3.873	(0.915)	324353	50.0000	48.6
39 1,2-Dichloroethane	62	3.899	3.899	(0.922)	87505	50.0000	45.4
138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	338973	50.0000	49.5
141 Methylcyclohexane	55	4.888	4.888	(1.156)	125298	50.0000	47.9
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	374057	50.0000	
41 Trichloroethene	95	4.668	4.674	(1.104)	95108	50.0000	47.7
42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	84017	50.0000	49.4
43 Dibromomethane	93	5.066	5.066	(1.198)	40330	50.0000	47.1
44 Methyl methacrylate	69	5.123	5.123	(1.211)	22005	50.0000	39.4
147 1,4-Dioxane	88	5.118	5.118	(1.210)	7515	1000.00	
45 Bromodichloromethane	83	5.264	5.265	(1.245)	96961	50.0000	49.8
47 cis-1,3-Dichloropropene	75	5.777	5.777	(0.785)	86567	50.0000	43.2
48 4-Methyl-2-Pentanone	43	5.970	5.971	(0.812)	183902	250.000	201
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	367059	50.0000	50.5
50 Toluene	91	6.127	6.128	(0.833)	378309	50.0000	46.7
51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	56228	50.0000	42.1
52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	45910	50.0000	41.1
53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	45327	50.0000	49.6
54 Tetrachloroethene	166	6.671	6.671	(0.907)	114689	50.0000	44.2
55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	86718	50.0000	48.6
56 2-Hexanone	43	6.812	6.813	(0.926)	175395	250.000	298
57 Dibromochloromethane	129	6.901	6.902	(0.938)	67529	50.0000	46.6
58 1,2-Dibromoethane	107	6.980	6.980	(0.949)	53013	50.0000	45.4
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	252486	50.0000	
60 Chlorobenzene	112	7.377	7.378	(1.003)	264532	50.0000	50.2
61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	73745	50.0000	46.9
62 Ethylbenzene	106	7.466	7.466	(1.015)	145029	50.0000	51.2
63 m&p-Xylene	106	7.555	7.555	(1.027)	374192	100.000	100
65 o-Xylene	106	7.827	7.827	(1.064)	172172	50.0000	50.9
66 Styrene	104	7.838	7.838	(1.065)	253849	50.0000	46.0
67 Bromoform	173	7.953	7.953	(0.899)	28948	50.0000	44.1
68 Isopropylbenzene	105	8.429	8.429	(1.146)	326784	50.0000	43.5
69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	8457	50.0000	38.7(Q)
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	106092	50.0000	49.2
71 Bromobenzene	77	8.251	8.251	(1.122)	121732	50.0000	47.3
72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	52640	50.0000	45.4
73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	43275	50.0000	43.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
74 n-Propylbenzene	91	8.324	8.324	(0.941)	523169	50.0000	52.8
75 2-Chlorotoluene	91	8.371	8.371	(0.947)	287362	50.0000	50.8
76 4-Chlorotoluene	126	8.439	8.439	(0.954)	117231	50.0000	50.9
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	326784	50.0000	45.6
78 tert-Butylbenzene	119	8.617	8.617	(0.975)	398866	50.0000	49.1
79 1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	318999	50.0000	46.9
80 sec-Butylbenzene	105	8.742	8.743	(0.989)	506205	50.0000	54.8
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	214208	50.0000	51.4
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	135904	50.0000	
83 p-Isopropyltoluene	119	8.617	8.617	(0.975)	398866	50.0000	49.1
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	194109	50.0000	44.5
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	182211	50.0000	49.8
86 n-Butylbenzene	91	9.041	9.041	(1.022)	340750	50.0000	45.2
87 1,2-Dibromo-3-chloropropane	155	9.464	9.459	(1.070)	5458	50.0000	43.4
88 1,2,4-Trichlorobenzene	180	9.877	9.872	(1.117)	106760	50.0000	46.1
89 Hexachlorobutadiene	225	9.956	9.951	(1.126)	78302	50.0000	48.6
90 Naphthalene	128	10.013	10.008	(1.132)	137128	50.0000	37.1
91 1,2,3-Trichlorobenzene	180	10.139	10.134	(1.147)	90463	50.0000	46.9
92 2,methyl-naphthalene	142	10.646	10.641	(1.204)	59013	50.0000	36.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A02CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 10:56
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	374057	0.10
59 Chlorobenzene-d5	255255	127628	510510	252486	-1.08
82 1,4-Dichlorobenze	136223	68112	272446	135904	-0.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.23	-0.61
59 Chlorobenzene-d5	7.37	6.87	7.87	7.36	-0.21
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m

Injection Date: 16-APR-2009 11:32
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	50.00000	45.02017	0.22528	0.100	-9.95966	0.000e+000	Linear	
2 Chloromethane	50.00000	50.23043	0.27380	0.100	0.46086	0.000e+000	Linear	
3 Vinyl Chloride	0.26428	0.25887	0.25887	0.100	-2.04492	20.00000	Averaged	
4 Bromomethane	0.18384	0.19613	0.19613	0.100	6.68533	20.00000	Averaged	
139 Methyl Acetate	50.00000	42.63529	0.10460	0.100	-14.72941	0.000e+000	Linear	
5 Chloroethane	50.00000	52.83408	0.15356	0.100	5.66817	0.000e+000	Linear	
6 Trichlorofluoromethane	0.53163	0.55741	0.55741	0.100	4.84902	20.00000	Averaged	
7 Diethyl ether	50.00000	44.04302	0.08079	0.100	-11.91396	0.000e+000	Linear	
8 Acrolein	0.01172	0.02123	0.02123	0.100	81.10256	20.00000	Averaged	<-
9 1,1-Dichloroethene	0.24057	0.23102	0.23102	0.100	-3.97097	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	50.00000	56.05731	0.29603	0.100	12.11462	0.000e+000	Linear	
11 Acetone	250	475	0.07049	0.100	89.90211	0.000e+000	Linear	
12 Iodomethane	100	101	0.43747	0.100	0.61687	0.000e+000	Linear	
13 Carbon Disulfide	100	90.22951	0.57884	0.100	-9.77049	0.000e+000	Linear	
142 Acetonitrile	++++	0.03388	0.03388	0.100	++++	20.00000	Averaged	<-
14 allyl chloride	0.37520	0.33878	0.33878	0.100	-9.70833	20.00000	Averaged	
15 Methylene Chloride	50.00000	47.12850	0.21984	0.100	-5.74299	0.000e+000	Linear	
16 Acrylonitrile	0.04622	0.03725	0.03725	0.100	-19.40451	20.00000	Averaged	
17 tert-Butyl Alcohol	0.07048	0.06310	0.06310	0.100	-10.48240	20.00000	Averaged	
18 1,2-Dichloroethene (trans)	0.26286	0.26009	0.26009	0.100	-1.05271	20.00000	Averaged	
19 Methyl-tert-butyl ether	100	87.36746	0.23216	0.100	-12.63254	0.000e+000	Linear	
20 n-Hexane	50.00000	51.06503	0.37475	0.100	2.13005	0.000e+000	Linear	
21 1,1-Dichloroethane	0.44894	0.39399	0.39399	0.100	-12.24103	20.00000	Averaged	
23 Vinyl Acetate	200	124	0.18444	0.100	-38.04385	0.000e+000	Linear	
143 Chloroprene	++++	0.28076	0.28076	0.100	++++	20.00000	Averaged	<-
24 2,2-Dichloropropane	50.00000	49.67992	0.15204	0.100	-0.64015	0.000e+000	Quadratic	
144 Methacrylonitrile	++++	0.01158	0.01158	0.100	++++	20.00000	Averaged	<-
25 1,2-Dichloroethene (cis)	0.27085	0.25728	0.25728	0.100	-5.00910	20.00000	Averaged	
26 2-Butanone	0.06004	0.07564	0.07564	0.100	25.98684	20.00000	Averaged	<-
27 Propionitrile	50.00000	36.00376	0.01190	0.100	-27.99249	0.000e+000	Linear	
28 1,2-dichlorotrifluoroethane	0.31269	0.31906	0.31906	0.100	2.03691	20.00000	Averaged	
29 Bromochloromethane	50.00000	46.34815	0.18371	0.100	-7.30371	0.000e+000	Linear	
30 Tetrahydrofuran	50.00000	19.75271	0.09632	0.100	-60.49459	0.000e+000	Linear	
31 Chloroform	0.44502	0.40712	0.40712	0.100	-8.51723	20.00000	Averaged	
$ 32 Dibromofluoromethane (S)	0.27107	0.26333	0.26333	0.100	-2.85347	20.00000	Averaged	
33 1,1,1-Trichloroethane	50.00000	49.09315	0.30658	0.100	-1.81370	0.000e+000	Linear	
35 Carbon Tetrachloride	50.00000	49.23435	0.27731	0.100	-1.53130	0.000e+000	Linear	
36 1,1-Dichloropropene	0.30619	0.31372	0.31372	0.100	2.45837	20.00000	Averaged	
37 Isobutyl alcohol	0.30019	0.37820	0.37820	0.100	25.98848	20.00000	Averaged	<-
140 Cyclohexane	0.39814	0.41780	0.41780	0.100	4.93965	20.00000	Averaged	
38 Benzene	0.89291	0.86712	0.86712	0.100	-2.88761	20.00000	Averaged	
39 1,2-Dichloroethane	0.25746	0.23393	0.23393	0.100	-9.13907	20.00000	Averaged	
138 2,2,4-Trimethylpentane	0.91511	0.90621	0.90621	0.100	-0.97262	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m

Injection Date: 16-APR-2009 11:32
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	50.00000	47.92550	0.33497	0.100	-4.14900	0.000e+000	Linear	
41 Trichloroethene	50.00000	47.71909	0.25426	0.100	-4.56182	0.000e+000	Linear	
42 1,2-Dichloropropane	0.22741	0.22461	0.22461	0.100	-1.23174	20.00000	Averaged	
43 Dibromomethane	50.00000	47.08505	0.10782	0.100	-5.82989	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	39.45727	0.05883	0.100	-21.08546	0.000e+000	Linear	
147 1,4-Dioxane	++++	0.00100	0.00100	0.100	++++	20.00000	Averaged	<-
45 Bromodichloromethane	0.26046	0.25921	0.25921	0.100	-0.47881	20.00000	Averaged	
46 2-Chloroethyl vinyl ether	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	43.20779	0.34286	0.100	-13.58442	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	250	201	0.14567	0.100	-19.53138	0.000e+000	Linear	
$ 49 Toluene-d8	1.43830	1.45378	1.45378	0.100	1.07618	20.00000	Averaged	
50 Toluene	1.60458	1.49834	1.49834	0.100	-6.62120	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	42.14268	0.22270	0.100	-15.71463	0.000e+000	Linear	
52 Ethyl Methacrylate	50.00000	41.12069	0.18183	0.100	-17.75862	0.000e+000	Linear	
53 1,1,2-Trichloroethane	0.18098	0.17952	0.17952	0.100	-0.80385	20.00000	Averaged	
54 Tetrachloroethene	0.51431	0.45424	0.45424	0.100	-11.67969	20.00000	Averaged	
55 1,3-Dichloropropane	0.35357	0.34346	0.34346	0.100	-2.86134	20.00000	Averaged	
56 2-Hexanone	250	299	0.13893	0.100	19.40876	0.000e+000	Linear	
57 Dibromochloromethane	50.00000	46.56923	0.26746	0.100	-6.86153	0.000e+000	Linear	
58 1,2-Dibromoethane	50.00000	45.40718	0.20996	0.100	-9.18564	0.000e+000	Linear	
60 Chlorobenzene	1.04299	1.04771	1.04771	0.100	0.45248	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	46.93708	0.29208	0.100	-6.12584	0.000e+000	Linear	
62 Ethylbenzene	0.56079	0.57440	0.57440	0.100	2.42746	20.00000	Averaged	
63 m&p-Xylene	0.74040	0.74102	0.74102	0.100	0.08277	20.00000	Averaged	
65 o-Xylene	0.67021	0.68191	0.68191	0.100	1.74585	20.00000	Averaged	
66 Styrene	50.00000	45.95060	1.00546	0.100	-8.09880	0.000e+000	Linear	
67 Bromoform	50.00000	44.11046	0.21300	0.100	-11.77907	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	43.46871	1.29427	0.100	-13.06258	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	38.74476	0.03349	0.100	-22.51048	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.42693	0.42019	0.42019	0.100	-1.57778	20.00000	Averaged	
71 Bromobenzene	0.51006	0.48213	0.48213	0.100	-5.47534	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.42632	0.38733	0.38733	0.100	-9.14623	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.36359	0.31842	0.31842	0.100	-12.42274	20.00000	Averaged	
74 n-Propylbenzene	3.64303	3.84955	3.84955	0.100	5.66889	20.00000	Averaged	
75 2-Chlorotoluene	2.08195	2.11445	2.11445	0.100	1.56102	20.00000	Averaged	
76 4-Chlorotoluene	0.84652	0.86260	0.86260	0.100	1.89933	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.63625	2.40452	2.40452	0.100	-8.79019	20.00000	Averaged	
78 tert-Butylbenzene	2.98669	2.93491	2.93491	0.100	-1.73383	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.50353	2.34724	2.34724	0.100	-6.24278	20.00000	Averaged	
80 sec-Butylbenzene	3.39766	3.72472	3.72472	0.100	9.62621	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.53301	1.57617	1.57617	0.100	2.81578	20.00000	Averaged	
83 p-Isopropyltoluene	2.98669	2.93491	2.93491	0.100	-1.73383	20.00000	Averaged	

Pace Analytical Services, Inc.

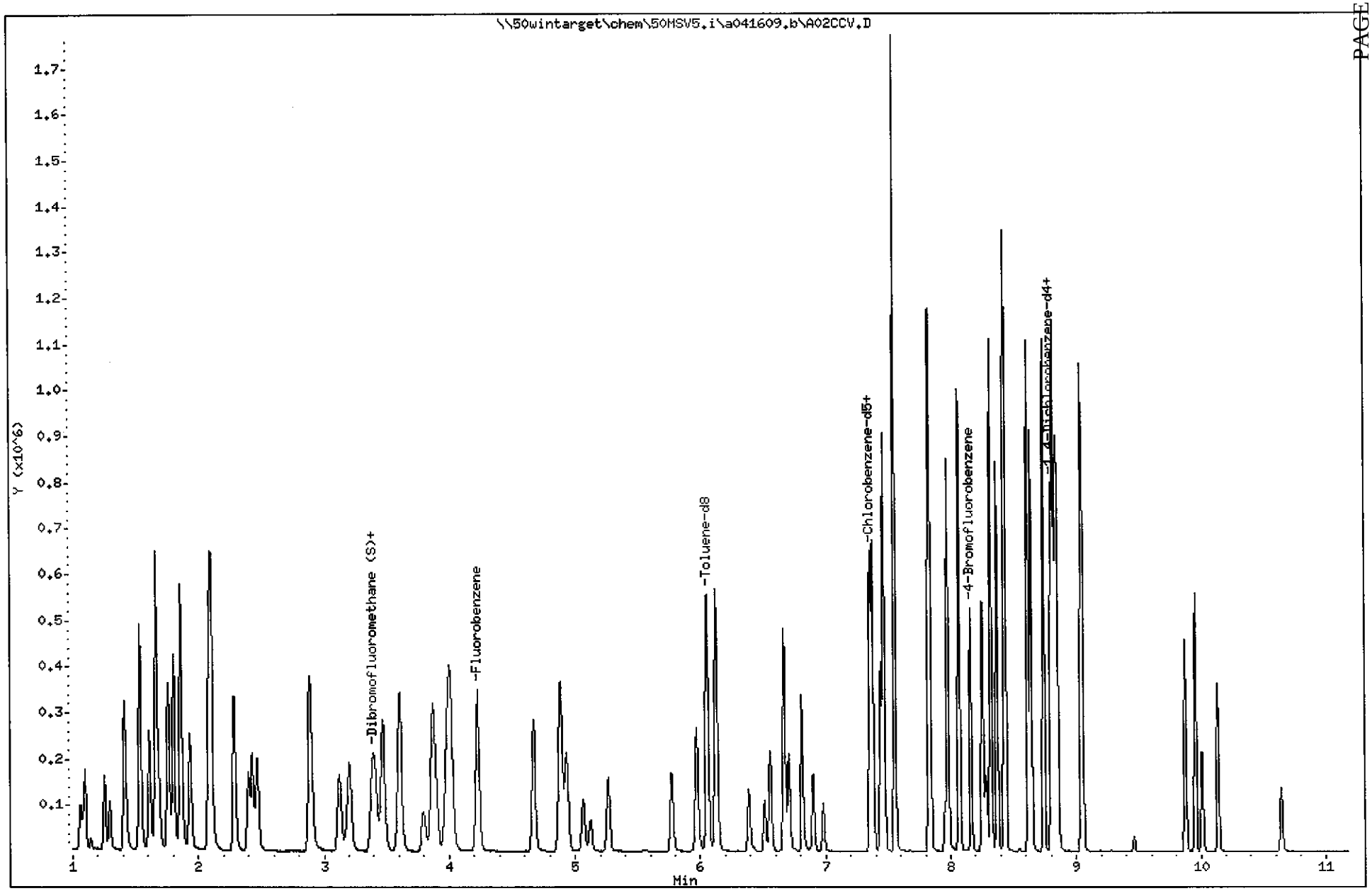
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 16-APR-2009 11:32
Lab File ID: A02CCV.D Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Analysis Type: WATER Init. Cal. Times: 13:05 17:22
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.60339	1.42828	1.42828	0.100	-10.92108	20.00000	Averaged
85 1,2-Dichlorobenzene	1.34479	1.34073	1.34073	0.100	-0.30166	20.00000	Averaged
86 n-Butylbenzene	50.00000	45.23065	2.50728	0.100	-9.53871	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	43.45293	0.04016	0.100	-13.09413	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	46.06278	0.78555	0.100	-7.87444	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	48.59639	0.57616	0.100	-2.80722	0.000e+000	Linear
90 Naphthalene	50.00000	37.10371	1.00901	0.100	-25.79258	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	46.88355	0.66564	0.100	-6.23290	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	36.93316	0.43423	0.100	-26.13368	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A02CCV.D
Date : 16-APR-2009 11:32
Client ID: ccv
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A02CCV.D

Date : 16-APR-2009 11:32

Client ID: ccv

Instrument: 50MSV5.i

Sample Info: lcs

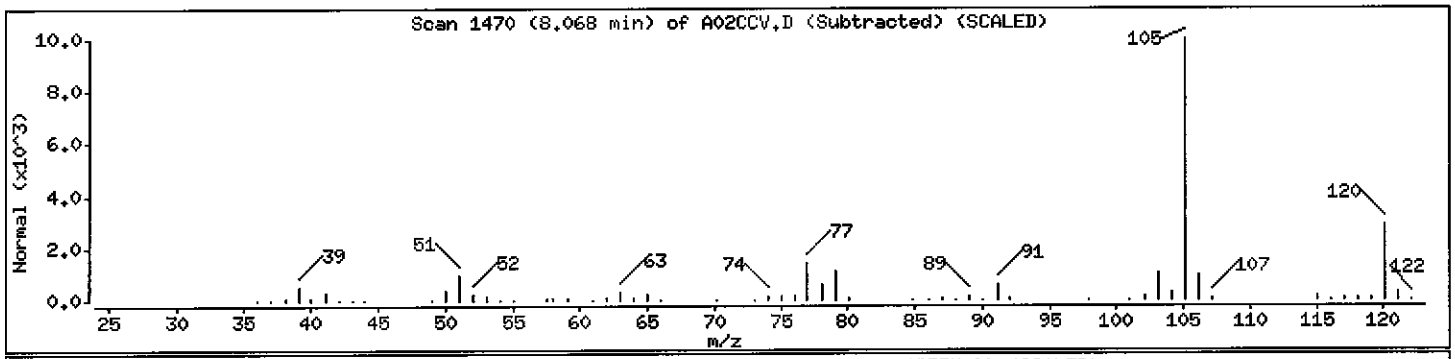
Purge Volume: 5.0

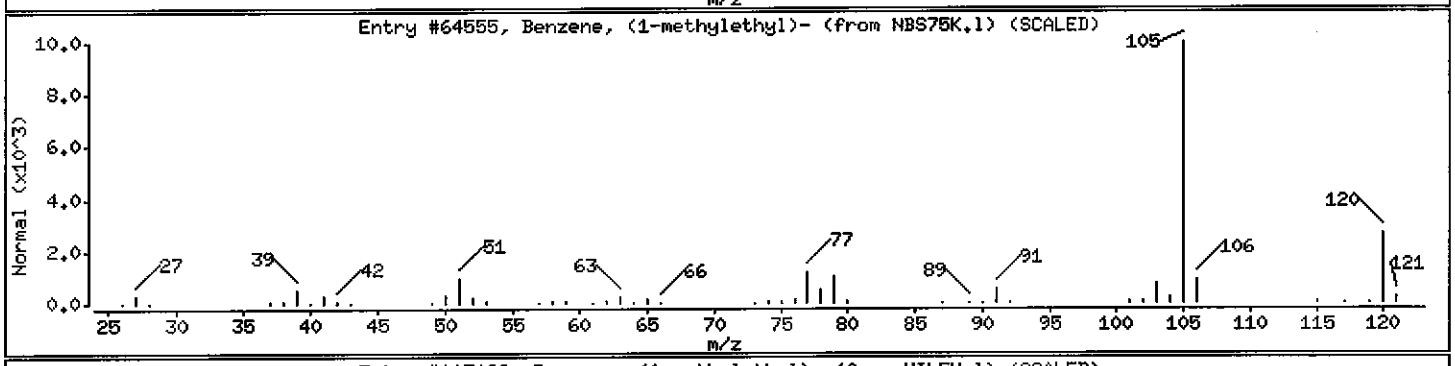
Operator: ala

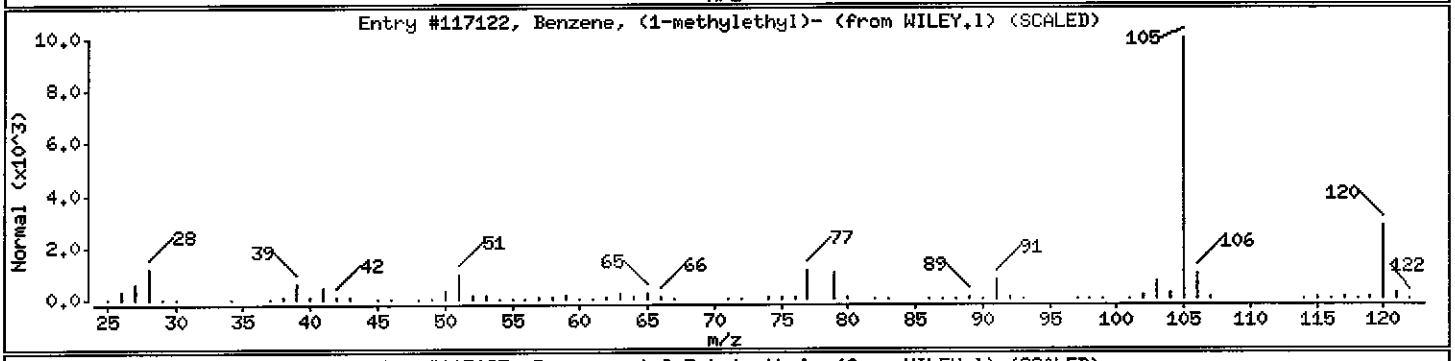
Column phase: DB-624

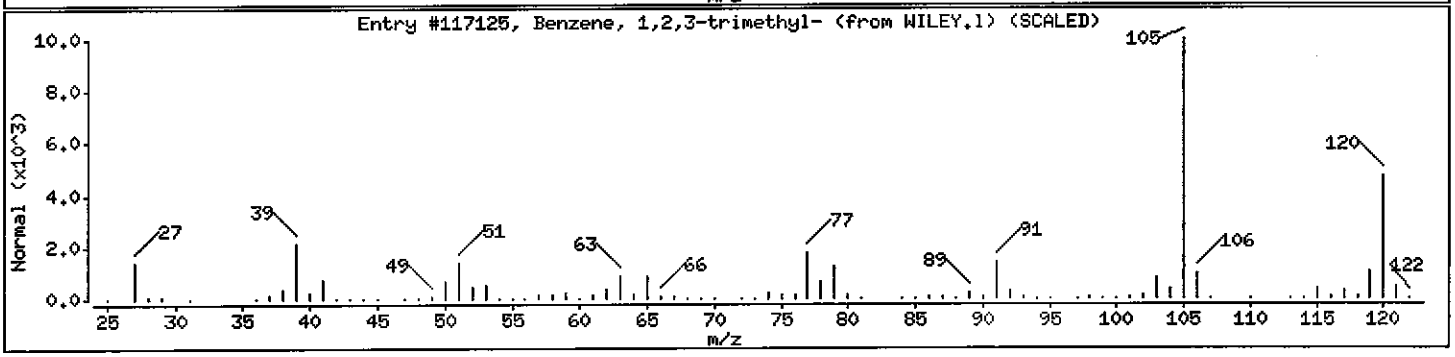
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117122	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Lab File ID: C01BFB BFB Injection Date: 04/16/09

Instrument ID: 50MSV5 BFB Injection Time: 2143

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.5
75	30.0 - 60.0% of mass 95	48.6
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	7.0 (8.5)1
176	95.0 - 101.0% of mass 174	80.7 (96.9)1
177	5.0 - 9.0% of mass 176	5.0 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	C02CCV	04/16/09	2219
02	LCS	287807	C03LCS	04/16/09	2255
03	MB	287806	C04MB	04/16/09	2331
04	66036	5025166036	C05	04/17/09	0007
05	MS036	287808	C06	04/17/09	0043
06	MSD036	287809	C07	04/17/09	0119
07	66042	5025166042	C08	04/17/09	0155
08	66043	5025166043	C09	04/17/09	0231
09	66044	5025166044	C10	04/17/09	0307
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Instrument ID: 50MSV5 Calibration Date: 04/16/09 Time: 2219

Lab File ID: C02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	53.1	50.0	LINR	-6.2	20.0	
Chloromethane	45.6	50.0	LINR	8.8	20.0	
Bromomethane	50.2	50.0	AVRG	-0.4	20.0	
Vinyl Chloride	43.3	50.0	AVRG	13.4	20.0	
Chloroethane	45.4	50.0	LINR	9.2	20.0	
Methylene Chloride	55.3	50.0	LINR	-10.6	20.0	
1,1-Dichloroethene	49.0	50.0	AVRG	2.0	20.0	
1,1-Dichloroethane	48.2	50.0	AVRG	3.6	20.0	
1,2-Dichloroethene (trans)	51.5	50.0	AVRG	-3.0	20.0	
Chloroform	51.4	50.0	AVRG	-2.8	20.0	
1,2-Dichloroethane	51.9	50.0	AVRG	-3.8	20.0	
1,1,1-Trichloroethane	43.2	50.0	LINR	13.6	20.0	
Carbon Tetrachloride	42.5	50.0	LINR	15.0	20.0	
Bromodichloromethane	54.3	50.0	AVRG	-8.6	20.0	
1,2-Dichloropropane	53.0	50.0	AVRG	-6.0	20.0	
trans-1,3-Dichloropropene	39.9	50.0	LINR	20.2	20.0	<-
Trichloroethene	50.5	50.0	LINR	-1.0	20.0	
Dibromochloromethane	48.2	50.0	LINR	3.6	20.0	
1,1,2-Trichloroethane	54.6	50.0	AVRG	-9.2	20.0	
Benzene	52.6	50.0	AVRG	-5.2	20.0	
cis-1,3-Dichloropropene	41.8	50.0	LINR	16.4	20.0	
Bromoform	46.5	50.0	LINR	7.0	20.0	
Tetrachloroethene	48.7	50.0	AVRG	2.6	20.0	
1,1,2,2-Tetrachloroethane	49.4	50.0	AVRG	1.2	20.0	
Toluene	49.5	50.0	AVRG	1.0	20.0	
Chlorobenzene	53.4	50.0	AVRG	-6.8	20.0	
Ethylbenzene	54.6	50.0	AVRG	-9.2	20.0	
Styrene	51.8	50.0	LINR	-3.6	20.0	
Trichlorofluoromethane	46.8	50.0	AVRG	6.4	20.0	
m&p-Xylene	106	100	AVRG	-6.0	20.0	
1,2-Dichloroethene (cis)	52.6	50.0	AVRG	-5.2	20.0	
o-Xylene	53.8	50.0	AVRG	-7.6	20.0	
1,2,3-Trichloropropane	47.5	50.0	AVRG	5.0	20.0	
1,3-Dichlorobenzene	52.3	50.0	AVRG	-4.6	20.0	
1,4-Dichlorobenzene	50.4	50.0	AVRG	-0.8	20.0	
Dibromomethane	52.2	50.0	LINR	-4.4	20.0	
1,2-Dichlorobenzene	52.5	50.0	AVRG	-5.0	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Instrument ID: 50MSV5 Calibration Date: 04/16/09 Time: 2219

Lab File ID: C02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	43.5	50.0	LINR	13.0	20.0	
2,2-Dichloropropane	35.9	50.0	2ORDR	28.2	20.0	<-
1,1-Dichloropropene	52.7	50.0	AVRG	-5.4	20.0	
1,3-Dichloropropane	54.9	50.0	AVRG	-9.8	20.0	
1,2-Dibromoethane	49.7	50.0	LINR	0.6	20.0	
1,1,1,2-Tetrachloroethane	48.4	50.0	LINR	3.2	20.0	
Isopropylbenzene	49.8	50.0	LINR	0.4	20.0	
Bromobenzene	51.3	50.0	AVRG	-2.6	20.0	
n-Propylbenzene	53.3	50.0	AVRG	-6.6	20.0	
2-Chlorotoluene	52.3	50.0	AVRG	-4.6	20.0	
4-Chlorotoluene	52.4	50.0	AVRG	-4.8	20.0	
1,3,5-Trimethylbenzene	51.5	50.0	AVRG	-3.0	20.0	
tert-Butylbenzene	54.2	50.0	AVRG	-8.4	20.0	
1,2,4-Trimethylbenzene	52.6	50.0	AVRG	-5.2	20.0	
sec-Butylbenzene	55.2	50.0	AVRG	-10.4	20.0	
p-Isopropyltoluene	54.2	50.0	AVRG	-8.4	20.0	
n-Butylbenzene	48.8	50.0	LINR	2.4	20.0	
1,2-Dibromo-3-chloropropane	41.4	50.0	LINR	17.2	20.0	
1,2,4-Trichlorobenzene	44.5	50.0	LINR	11.0	20.0	
Hexachlorobutadiene	48.6	50.0	LINR	2.8	20.0	
Naphthalene	41.3	50.0	LINR	17.4	20.0	
1,2,3-Trichlorobenzene	46.4	50.0	LINR	7.2	20.0	
Acrolein	1190	1000	AVRG	-19.0	20.0	
Carbon Disulfide	105	100	LINR	-5.0	20.0	
Acetone	228	250	LINR	8.8	20.0	
Acrylonitrile	928	1000	AVRG	7.2	20.0	
Vinyl Acetate	157	200	LINR	21.5	20.0	<-
2-Butanone	239	250	AVRG	4.4	20.0	
2-Chloroethyl vinyl ether	0.000	100	AVRG	100.0	20.0	<-
4-Methyl-2-Pentanone	216	250	LINR	13.6	20.0	
2-Hexanone	207	250	LINR	17.2	20.0	
Methyl-tert-butyl ether	78.2	100	LINR	21.8	20.0	<-
Iodomethane	106	100	LINR	-6.0	20.0	
trans-1,4-Dichloro-2-butene	44.2	50.0	LINR	11.6	20.0	
Ethyl Methacrylate	41.5	50.0	LINR	17.0	20.0	
2,methyl-naphthalene	32.4	50.0	LINR	35.2	20.0	<-
n-Hexane	45.9	50.0	LINR	8.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041609.B

Instrument ID: 50MSV5 Calibration Date: 04/16/09 Time: 2219

Lab File ID: C02CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	53.4	50.0	LINR	-6.8	20.0	
1,2-dichlorotrifluoroethane	50.4	50.0	AVRG	-0.8	20.0	
Tetrahydrofuran	19.3	50.0	LINR	61.4	20.0	<-
allyl chloride	92.2	100	AVRG	7.8	20.0	
Diethyl ether	46.1	50.0	LINR	7.8	20.0	
Isobutyl alcohol	47.8	50.0	AVRG	4.4	20.0	
Methyl methacrylate	41.3	50.0	LINR	17.4	20.0	
Propionitrile	45.5	50.0	LINR	9.0	20.0	
tert-Butyl Alcohol	93.5	100	AVRG	6.5	20.0	
2,2,4-Trimethylpentane	51.1	50.0	AVRG	-2.2	20.0	
Methyl Acetate	39.2	50.0	LINR	21.6	20.0	<-
Cyclohexane	50.7	50.0	AVRG	-1.4	20.0	
Methylcyclohexane	49.4	50.0	LINR	1.2	20.0	
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Toluene-d8	51.3	50.0	AVRG	-2.6	20.0	
4-Bromofluorobenzene	49.3	50.0	AVRG	1.4	20.0	
Dibromofluoromethane (S)	50.1	50.0	AVRG	-0.2	20.0	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C01BFB.D

Date : 16-APR-2009 21:43

Client ID: bfb050

Instrument: 50MSV5.i

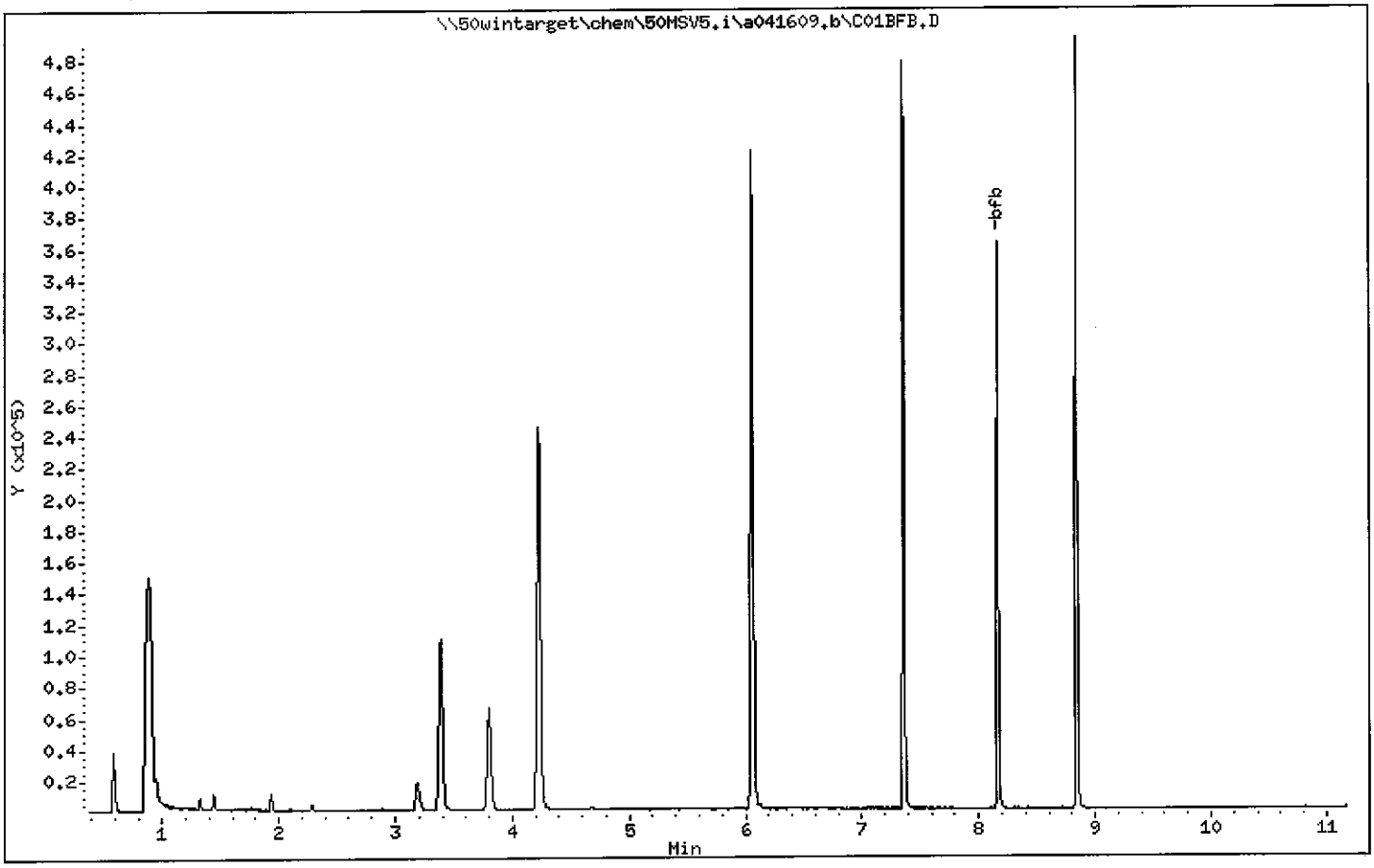
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C01BFB.D

Date : 16-APR-2009 21:43

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

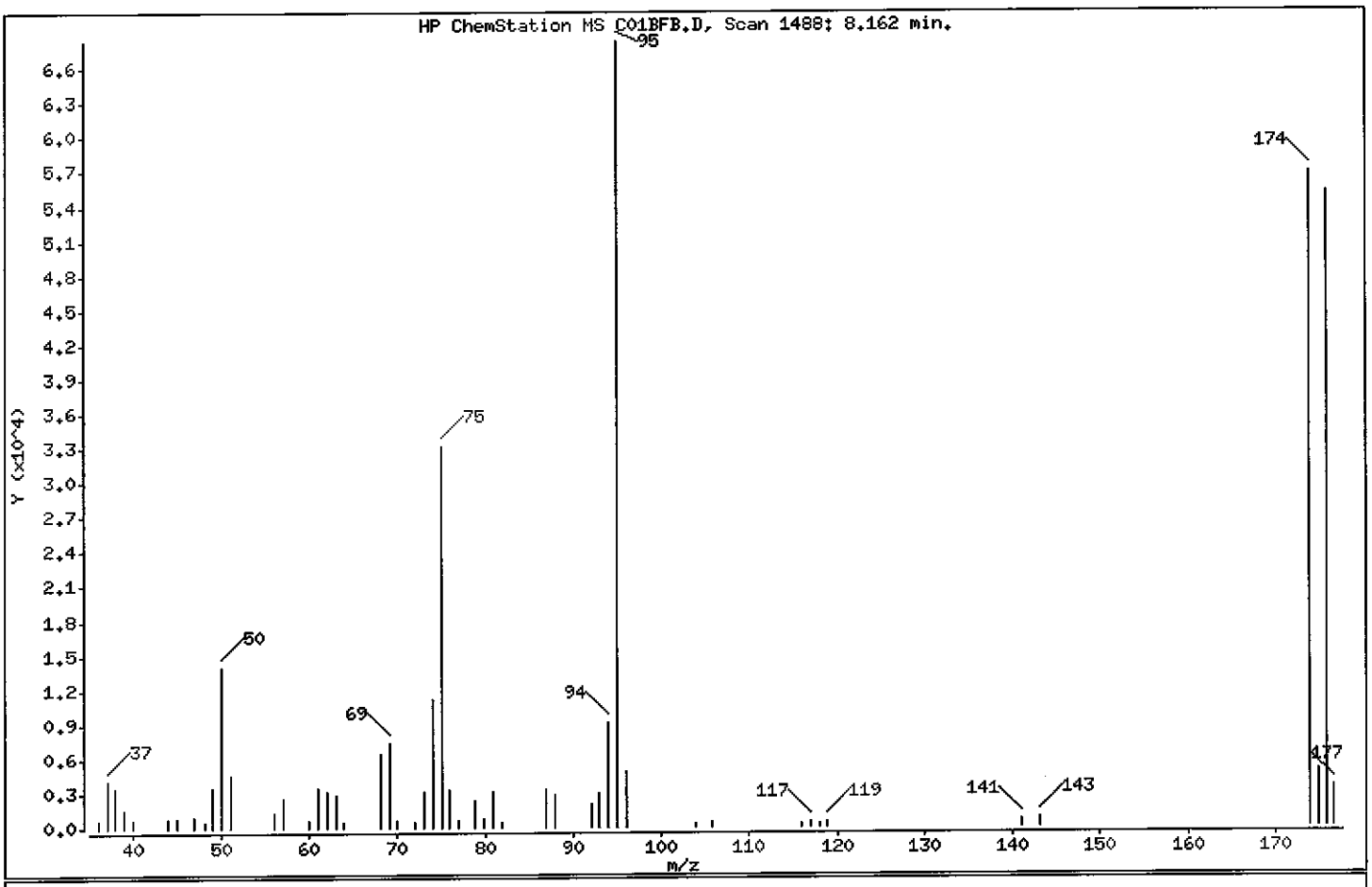
Volume Injected (uL): 1.0

Operator: ala

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	20.48
75	30.00 - 60.00% of mass 95	48.56
96	5.00 - 9.00% of mass 95	7.22
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	83.31
175	5.00 - 9.00% of mass 174	7.05 (8.46)
176	95.00 - 101.00% of mass 174	80.70 (96.87)
177	5.00 - 9.00% of mass 176	5.04 (6.25)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C01BFB.D

Date : 16-APR-2009 21:43

Client ID: bfb050 Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0 Operator: ala

Column phase: Column diameter: 2.00

Data File: C01BFB.D
Spectrum: HP ChemStation MS C01BFB.D, Scan 1488: 8.162 min.
Location of Maximum: 95.00
Number of points: 51

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	673	57.00	2527	76.00	3240	103.90	380
37.10	4013	60.00	694	77.00	552	105.80	501
38.10	3488	61.00	3510	78.90	2360	115.90	301
39.10	1574	62.00	3202	79.90	763	116.90	470
40.00	602	63.00	2806	80.90	3073	117.90	332
44.00	835	64.00	430	82.00	505	118.90	406
45.00	859	68.00	6510	87.00	3337	141.00	636
47.00	878	69.00	7315	88.00	2853	143.00	819
48.10	448	70.00	625	92.00	1966	174.00	56976
49.00	3445	72.00	434	93.00	2949	175.00	4821
50.00	14007	73.00	3067	94.00	9181	176.00	55192
51.10	4493	74.00	11139	95.00	68392	176.90	3450
56.10	1219	75.00	33208	96.00	4939		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C02CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 16-APR-2009 22:19
Operator : ala Inst ID: 50MSV5.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 43 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	0.965	0.965	(0.228)	69742	50.0000	43.5
2 Chloromethane	50	1.059	1.059	(0.251)	79646	50.0000	45.6
3 Vinyl Chloride	62	1.101	1.101	(0.260)	73188	50.0000	43.3
4 Bromomethane	94	1.253	1.253	(0.296)	59067	50.0000	50.2
139 Methyl Acetate	43	2.100	2.100	(0.497)	30082	50.0000	39.2
5 Chloroethane	64	1.295	1.295	(0.306)	42791	50.0000	45.4
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	158979	50.0000	46.8
7 Diethyl ether	74	1.541	1.541	(0.364)	26918	50.0000	46.1
8 Acrolein	56	1.609	1.609	(0.380)	89529	1000.00	1190
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	75342	50.0000	49.0
10 1,1,2trichlorotrifluoroethane	101	1.656	1.656	(0.392)	90764	50.0000	53.4
11 Acetone	43	1.687	1.687	(0.399)	61103	250.000	228
12 Iodomethane	142	1.760	1.760	(0.416)	292669	100.000	106
13 Carbon Disulfide	76	1.802	1.802	(0.426)	421578	100.000	105
142 Acetonitrile	41	1.860	1.860	(0.440)	221300	1000.00	
14 allyl chloride	41	1.860	1.860	(0.440)	221300	100.000	92.2
15 Methylene Chloride	84	1.933	1.933	(0.457)	80358	50.0000	55.3
16 Acrylonitrile	53	2.085	2.085	(0.493)	274348	1000.00	928
17 tert-Butyl Alcohol	59	1.541	1.541	(0.364)	42175	100.000	93.5
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	86523	50.0000	51.5
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	129263	100.000	78.2
20 n-Hexane	57	2.289	2.289	(0.541)	108472	50.0000	45.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	138446	50.0000	48.2
23 Vinyl Acetate	43	2.430	2.430	(0.575)	305408	200.000	157
143 Chloroprene	53	2.472	2.472	(0.584)	134305	50.0000	
24 2,2-Dichloropropane	77	2.885	2.885	(0.682)	32542	50.0000	35.9
144 Methacrylonitrile	41	3.178	3.178	(0.751)	18599	250.000	
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	91095	50.0000	52.6
26 2-Butanone	43	2.906	2.906	(0.687)	91879	250.000	239
27 Propionitrile	54	2.974	2.974	(0.703)	4852	50.0000	45.5
28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	100899	50.0000	50.4
29 Bromochloromethane	49	3.120	3.120	(0.738)	66569	50.0000	53.1
30 Tetrahydrofuran	42	3.183	3.183	(0.753)	30697	50.0000	19.3
31 Chloroform	83	3.209	3.209	(0.759)	146398	50.0000	51.4
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	86839	50.0000	50.1
33 1,1,1-Trichloroethane	97	3.413	3.413	(0.807)	84768	50.0000	43.2
35 Carbon Tetrachloride	117	3.607	3.607	(0.853)	74976	50.0000	42.5
36 1,1-Dichloropropene	75	3.607	3.607	(0.853)	103270	50.0000	52.7
37 Isobutyl alcohol	43	2.906	2.906	(0.687)	91879	50.0000	47.8
140 Cyclohexane	56	3.471	3.471	(0.821)	129019	50.0000	50.7
38 Benzene	78	3.873	3.873	(0.916)	300295	50.0000	52.6
39 1,2-Dichloroethane	62	3.899	3.899	(0.922)	85496	50.0000	51.9
138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	299209	50.0000	51.1
141 Methylcyclohexane	55	4.888	4.888	(1.156)	110431	50.0000	49.4
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	319811	50.0000	
41 Trichloroethene	95	4.674	4.674	(1.105)	85797	50.0000	50.5
42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	77170	50.0000	53.0
43 Dibromomethane	93	5.066	5.066	(1.198)	37973	50.0000	52.2
44 Methyl methacrylate	69	5.123	5.123	(1.211)	19825	50.0000	41.3
45 Bromodichloromethane	83	5.265	5.265	(1.245)	90542	50.0000	54.3
47 cis-1,3-Dichloropropene	75	5.777	5.777	(0.785)	72730	50.0000	41.8
48 4-Methyl-2-Pentanone	43	5.971	5.971	(0.812)	172566	250.000	216
$ 49 Toluene-d8	98	6.060	6.060	(0.824)	324865	50.0000	51.3
50 Toluene	91	6.128	6.128	(0.833)	349277	50.0000	49.5
51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	45449	50.0000	39.9
52 Ethyl Methacrylate	69	6.515	6.515	(0.886)	40449	50.0000	41.5
53 1,1,2-Trichloroethane	83	6.562	6.562	(0.892)	43507	50.0000	54.6
54 Tetrachloroethene	166	6.671	6.671	(0.907)	110155	50.0000	48.7
55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	85445	50.0000	54.9
56 2-Hexanone	43	6.813	6.813	(0.926)	105337	250.000	207
57 Dibromochloromethane	129	6.902	6.902	(0.938)	61056	50.0000	48.2
58 1,2-Dibromoethane	107	6.980	6.980	(0.949)	50609	50.0000	49.7
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	220028	50.0000	
60 Chlorobenzene	112	7.378	7.378	(1.003)	245177	50.0000	53.4
61 1,1,1,2-Tetrachloroethane	131	7.446	7.446	(1.012)	66561	50.0000	48.4
62 Ethylbenzene	106	7.466	7.466	(1.015)	134813	50.0000	54.6
63 m&p-Xylene	106	7.555	7.555	(1.027)	346155	100.000	106
65 o-Xylene	106	7.827	7.827	(1.064)	158663	50.0000	53.8
66 Styrene	104	7.838	7.838	(1.065)	251152	50.0000	51.8
67 Bromoform	173	7.953	7.953	(0.899)	27529	50.0000	46.5
68 Isopropylbenzene	105	8.429	8.429	(1.146)	330348	50.0000	49.8
69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	8631	50.0000	44.2
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	92713	50.0000	49.3
71 Bromobenzene	77	8.251	8.251	(1.122)	115220	50.0000	51.3
72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	51243	50.0000	49.4
73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	42024	50.0000	47.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
74 n-Propylbenzene	91	8.324	8.324	(0.941)	471814	50.0000	53.3
75 2-Chlorotoluene	91	8.371	8.371	(0.947)	265004	50.0000	52.3
76 4-Chlorotoluene	126	8.439	8.439	(0.954)	107807	50.0000	52.4
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	330348	50.0000	51.5
78 tert-Butylbenzene	119	8.617	8.617	(0.975)	393272	50.0000	54.2
79 1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	320401	50.0000	52.6
80 sec-Butylbenzene	105	8.743	8.743	(0.989)	455691	50.0000	55.2
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	194850	50.0000	52.3
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	121583	50.0000	
83 p-Isopropyltoluene	119	8.617	8.617	(0.975)	393272	50.0000	54.2
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	196373	50.0000	50.4
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	171842	50.0000	52.5
86 n-Butylbenzene	91	9.041	9.041	(1.022)	329241	50.0000	48.8
87 1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	4599	50.0000	41.4
88 1,2,4-Trichlorobenzene	180	9.872	9.872	(1.117)	92170	50.0000	44.5
89 Hexachlorobutadiene	225	9.951	9.951	(1.125)	70014	50.0000	48.6
90 Naphthalene	128	10.008	10.008	(1.132)	137191	50.0000	41.3
91 1,2,3-Trichlorobenzene	180	10.134	10.134	(1.146)	80136	50.0000	46.4
92 2,methyl-naphthalene	142	10.641	10.641	(1.203)	43917	50.0000	32.4

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C02CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 11:32
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	319811	-14.42
59 Chlorobenzene-d5	255255	127628	510510	220028	-13.80
82 1,4-Dichlorobenze	136223	68112	272446	121583	-10.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.23	-0.61
59 Chlorobenzene-d5	7.37	6.87	7.87	7.36	-0.21
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: C02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m

Injection Date: 16-APR-2009 22:19
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	50.00000	43.49508	0.21807	0.100	-13.00984	0.000e+000	Linear
2 Chloromethane	50.00000	45.57617	0.24904	0.100	-8.84766	0.000e+000	Linear
3 Vinyl Chloride	0.26428	0.22885	0.22885	0.100	-13.40689	20.00000	Averaged
4 Bromomethane	0.18384	0.18469	0.18469	0.100	0.46687	20.00000	Averaged
139 Methyl Acetate	50.00000	39.17443	0.09406	0.100	-21.65114	0.000e+000	Linear
5 Chloroethane	50.00000	45.40900	0.13380	0.100	-9.18200	0.000e+000	Linear
6 Trichlorofluoromethane	0.53163	0.49710	0.49710	0.100	-6.49425	20.00000	Averaged
7 Diethyl ether	50.00000	46.06203	0.08417	0.100	-7.87593	0.000e+000	Linear
8 Acrolein	0.01172	0.01400	0.01400	0.100	19.39961	20.00000	Averaged
9 1,1-Dichloroethene	0.24057	0.23558	0.23558	0.100	-2.07470	20.00000	Averaged
10 1,1,2trichlorotrifluoroetha	50.00000	53.44566	0.28381	0.100	6.89132	0.000e+000	Linear
11 Acetone	250	228	0.03821	0.100	-8.90970	0.000e+000	Linear
12 Iodomethane	100	106	0.45757	0.100	5.55542	0.000e+000	Linear
13 Carbon Disulfide	100	105	0.65910	0.100	4.75052	0.000e+000	Linear
142 Acetonitrile	++++	0.03460	0.03460	0.100	++++	20.00000	Averaged <-
14 allyl chloride	0.37520	0.34599	0.34599	0.100	-7.78751	20.00000	Averaged
15 Methylene Chloride	50.00000	55.31475	0.25127	0.100	10.62950	0.000e+000	Linear
16 Acrylonitrile	0.04622	0.04289	0.04289	0.100	-7.20499	20.00000	Averaged
17 tert-Butyl Alcohol	0.07048	0.06594	0.06594	0.100	-6.45118	20.00000	Averaged
18 1,2-Dichloroethene (trans)	0.26286	0.27054	0.27054	0.100	2.92493	20.00000	Averaged
19 Methyl-tert-butyl ether	100	78.17228	0.20209	0.100	-21.82772	0.000e+000	Linear
20 n-Hexane	50.00000	45.88325	0.33918	0.100	-8.23349	0.000e+000	Linear
21 1,1-Dichloroethane	0.44894	0.43290	0.43290	0.100	-3.57306	20.00000	Averaged
23 Vinyl Acetate	200	157	0.23874	0.100	-21.56061	0.000e+000	Linear
143 Chloroprene	++++	0.41995	0.41995	0.100	++++	20.00000	Averaged <-
24 2,2-Dichloropropane	50.00000	35.87970	0.10175	0.100	-28.24060	0.000e+000	Quadratic
144 Methacrylonitrile	++++	0.01163	0.01163	0.100	++++	20.00000	Averaged <-
25 1,2-Dichloroethene (cis)	0.27085	0.28484	0.28484	0.100	5.16684	20.00000	Averaged
26 2-Butanone	0.06004	0.05746	0.05746	0.100	-4.29722	20.00000	Averaged
27 Propionitrile	50.00000	45.51234	0.01517	0.100	-8.97531	0.000e+000	Linear
28 1,2-dichlorotrifluoroethane	0.31269	0.31550	0.31550	0.100	0.89757	20.00000	Averaged
29 Bromochloromethane	50.00000	53.11964	0.20815	0.100	6.23928	0.000e+000	Linear
30 Tetrahydrofuran	50.00000	19.30090	0.09598	0.100	-61.39819	0.000e+000	Linear
31 Chloroform	0.44502	0.45776	0.45776	0.100	2.86360	20.00000	Averaged
$ 32 Dibromofluoromethane (S)	0.27107	0.27153	0.27153	0.100	0.17087	20.00000	Averaged
33 1,1,1-Trichloroethane	50.00000	43.16535	0.26506	0.100	-13.66929	0.000e+000	Linear
35 Carbon Tetrachloride	50.00000	42.54626	0.23444	0.100	-14.90749	0.000e+000	Linear
36 1,1-Dichloropropene	0.30619	0.32291	0.32291	0.100	5.45883	20.00000	Averaged
37 Isobutyl alcohol	0.30019	0.28729	0.28729	0.100	-4.29597	20.00000	Averaged
140 Cyclohexane	0.39814	0.40342	0.40342	0.100	1.32782	20.00000	Averaged
38 Benzene	0.89291	0.93898	0.93898	0.100	5.15967	20.00000	Averaged
39 1,2-Dichloroethane	0.25746	0.26733	0.26733	0.100	3.83278	20.00000	Averaged
138 2,2,4-Trimethylpentane	0.91511	0.93558	0.93558	0.100	2.23726	20.00000	Averaged

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: C02CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m

Injection Date: 16-APR-2009 22:19
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	50.00000	49.45489	0.34530	0.100	-1.09022	0.000e+000	Linear	
41 Trichloroethene	50.00000	50.52832	0.26827	0.100	1.05664	0.000e+000	Linear	
42 1,2-Dichloropropane	0.22741	0.24130	0.24130	0.100	6.10678	20.00000	Averaged	
43 Dibromomethane	50.00000	52.15691	0.11874	0.100	4.31382	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	41.33451	0.06199	0.100	-17.33098	0.000e+000	Linear	
147 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
45 Bromodichloromethane	0.26046	0.28311	0.28311	0.100	8.69585	20.00000	Averaged	
46 2-Chloroethyl vinyl ether	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	41.85846	0.33055	0.100	-16.28308	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	250	216	0.15686	0.100	-13.41779	0.000e+000	Linear	
$ 49 Toluene-d8	1.43830	1.47647	1.47647	0.100	2.65385	20.00000	Averaged	
50 Toluene	1.60458	1.58742	1.58742	0.100	-1.06933	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	39.89921	0.20656	0.100	-20.20159	0.000e+000	Linear	
52 Ethyl Methacrylate	50.00000	41.52636	0.18384	0.100	-16.94729	0.000e+000	Linear	
53 1,1,2-Trichloroethane	0.18098	0.19773	0.19773	0.100	9.25877	20.00000	Averaged	
54 Tetrachloroethene	0.51431	0.50064	0.50064	0.100	-2.65753	20.00000	Averaged	
55 1,3-Dichloropropane	0.35357	0.38834	0.38834	0.100	9.83199	20.00000	Averaged	
56 2-Hexanone	250	207	0.09575	0.100	-17.32483	0.000e+000	Linear	
57 Dibromochloromethane	50.00000	48.20683	0.27749	0.100	-3.58635	0.000e+000	Linear	
58 1,2-Dibromoethane	50.00000	49.69227	0.23001	0.100	-0.61545	0.000e+000	Linear	
60 Chlorobenzene	1.04299	1.11430	1.11430	0.100	6.83696	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	48.40747	0.30251	0.100	-3.18507	0.000e+000	Linear	
62 Ethylbenzene	0.56079	0.61271	0.61271	0.100	9.25786	20.00000	Averaged	
63 m&p-Xylene	0.74040	0.78662	0.78662	0.100	6.24164	20.00000	Averaged	
65 o-Xylene	0.67021	0.72110	0.72110	0.100	7.59428	20.00000	Averaged	
66 Styrene	50.00000	51.75619	1.14145	0.100	3.51237	0.000e+000	Linear	
67 Bromoform	50.00000	46.52732	0.22642	0.100	-6.94536	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	49.83866	1.50139	0.100	-0.32268	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	44.16787	0.03923	0.100	-11.66426	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.42693	0.42137	0.42137	0.100	-1.30151	20.00000	Averaged	
71 Bromobenzene	0.51006	0.52366	0.52366	0.100	2.66622	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.42632	0.42147	0.42147	0.100	-1.13991	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.36359	0.34564	0.34564	0.100	-4.93711	20.00000	Averaged	
74 n-Propylbenzene	3.64303	3.88059	3.88059	0.100	6.52103	20.00000	Averaged	
75 2-Chlorotoluene	2.08195	2.17961	2.17961	0.100	4.69104	20.00000	Averaged	
76 4-Chlorotoluene	0.84652	0.88669	0.88669	0.100	4.74546	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.63625	2.71706	2.71706	0.100	3.06515	20.00000	Averaged	
78 tert-Butylbenzene	2.98669	3.23460	3.23460	0.100	8.30024	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.50353	2.63525	2.63525	0.100	5.26128	20.00000	Averaged	
80 sec-Butylbenzene	3.39766	3.74798	3.74798	0.100	10.31074	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.53301	1.60261	1.60261	0.100	4.54034	20.00000	Averaged	
83 p-Isopropyltoluene	2.98669	3.23460	3.23460	0.100	8.30024	20.00000	Averaged	

Pace Analytical Services, Inc.

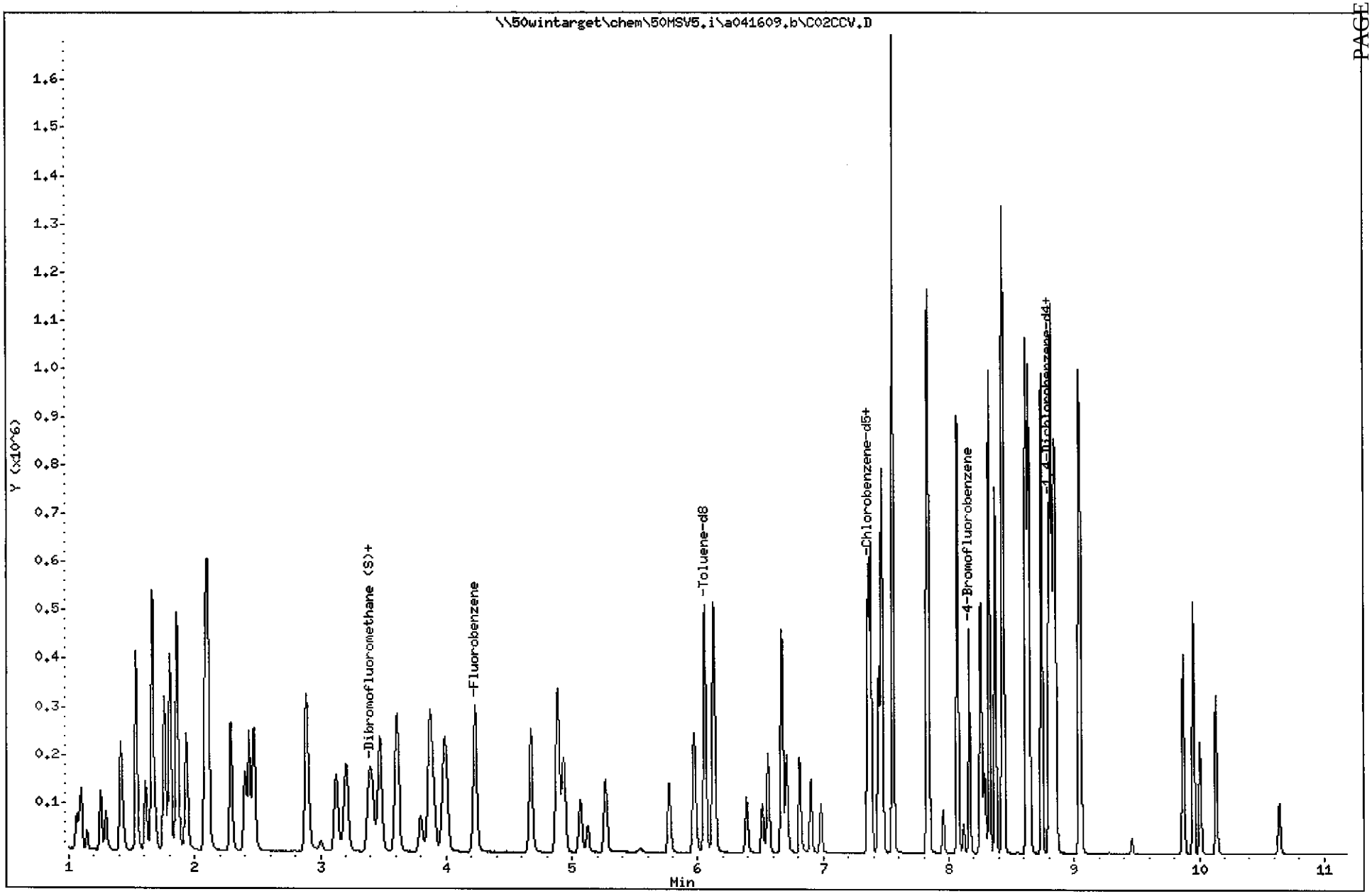
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 16-APR-2009 22:19
Lab File ID: C02CCV.D Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Analysis Type: WATER Init. Cal. Times: 13:05 17:22
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.60339	1.61514	1.61514	0.100	0.73269	20.00000	Averaged
85 1,2-Dichlorobenzene	1.34479	1.41337	1.41337	0.100	5.09984	20.00000	Averaged
86 n-Butylbenzene	50.00000	48.83737	2.70795	0.100	-2.32527	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	41.38281	0.03783	0.100	-17.23438	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	44.49112	0.75808	0.100	-11.01776	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	48.57141	0.57585	0.100	-2.85717	0.000e+000	Linear
90 Naphthalene	50.00000	41.31945	1.12837	0.100	-17.36109	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	46.42142	0.65911	0.100	-7.15717	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	32.41558	0.36121	0.100	-35.16884	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C02CCV.D
Date : 16-APR-2009 22:19
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041709.B

Lab File ID: A00BFB BFB Injection Date: 04/17/09

Instrument ID: 50MSV5 BFB Injection Time: 1030

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	47.2
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	50.0 - 100.0% of mass 95	89.4
175	5.0 - 9.0% of mass 174	6.6 (7.4)1
176	95.0 - 101.0% of mass 174	89.2 (99.7)1
177	5.0 - 9.0% of mass 176	6.0 (6.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	A01CCV	04/17/09	1106
02	LCS	288770	A02LCS	04/17/09	1142
03	MB	288769	A03MB	04/17/09	1218
04	66044	5025166044	A04	04/17/09	1254
05	69003	5025269003	A05	04/17/09	1330
06	69004	5025269004	A06	04/17/09	1406
07	84001	5025184001	A07	04/17/09	1442
08	84002	5025184002	A08	04/17/09	1518
09	63001	5025263001	A09	04/17/09	1554
10	63002	5025263002	A10	04/17/09	1630
11	63003	5025263003	A11	04/17/09	1706
12	63004	5025263004	A12	04/17/09	1742
13	63005	5025263005	A13	04/17/09	1818
14	40001	5025240001	A14	04/17/09	1854
15	40002	5025240002	A15	04/17/09	1930
16	40003	5025240003	A16	04/17/09	2006
17	40005	5025240005	A17	04/17/09	2042
18	40006	5025240006	A18	04/17/09	2118
19					
20					
21					
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041709.B

Instrument ID: 50MSV5 Calibration Date: 04/17/09 Time: 1106

Lab File ID: A01CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	47.8	50.0	LINR	4.4	20.0	
Chloromethane	53.3	50.0	LINR	-6.6	20.0	
Bromomethane	57.9	50.0	AVRG	-15.8	20.0	
Vinyl Chloride	51.6	50.0	AVRG	-3.2	20.0	
Chloroethane	53.3	50.0	LINR	-6.6	20.0	
Methylene Chloride	49.6	50.0	LINR	0.8	20.0	
1,1-Dichloroethene	47.6	50.0	AVRG	4.8	20.0	
1,1-Dichloroethane	47.0	50.0	AVRG	6.0	20.0	
1,2-Dichloroethene (trans)	48.9	50.0	AVRG	2.2	20.0	
Chloroform	47.6	50.0	AVRG	4.8	20.0	
1,2-Dichloroethane	46.2	50.0	AVRG	7.6	20.0	
1,1,1-Trichloroethane	45.8	50.0	LINR	8.4	20.0	
Carbon Tetrachloride	44.9	50.0	LINR	10.2	20.0	
Bromodichloromethane	51.2	50.0	AVRG	-2.4	20.0	
1,2-Dichloropropane	48.4	50.0	AVRG	3.2	20.0	
trans-1,3-Dichloropropene	37.8	50.0	LINR	24.4	20.0	<-
Trichloroethene	46.8	50.0	LINR	6.4	20.0	
Dibromochloromethane	44.0	50.0	LINR	12.0	20.0	
1,1,2-Trichloroethane	47.3	50.0	AVRG	5.4	20.0	
Benzene	49.4	50.0	AVRG	1.2	20.0	
cis-1,3-Dichloropropene	39.4	50.0	LINR	21.2	20.0	<-
Bromoform	42.7	50.0	LINR	14.6	20.0	
Tetrachloroethene	50.0	50.0	AVRG	0.0	20.0	
1,1,2,2-Tetrachloroethane	43.7	50.0	AVRG	12.6	20.0	
Toluene	47.1	50.0	AVRG	5.8	20.0	
Chlorobenzene	49.8	50.0	AVRG	0.4	20.0	
Ethylbenzene	51.8	50.0	AVRG	-3.6	20.0	
Styrene	47.9	50.0	LINR	4.2	20.0	
Trichlorofluoromethane	57.3	50.0	AVRG	-14.6	20.0	
m&p-Xylene	99.4	100	AVRG	0.6	20.0	
1,2-Dichloroethene (cis)	49.3	50.0	AVRG	1.4	20.0	
o-Xylene	49.7	50.0	AVRG	0.6	20.0	
1,2,3-Trichloropropane	41.9	50.0	AVRG	16.2	20.0	
1,3-Dichlorobenzene	50.4	50.0	AVRG	-0.8	20.0	
1,4-Dichlorobenzene	49.6	50.0	AVRG	0.8	20.0	
Dibromomethane	45.2	50.0	LINR	9.6	20.0	
1,2-Dichlorobenzene	48.7	50.0	AVRG	2.6	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041709.B

Instrument ID: 50MSV5 Calibration Date: 04/17/09 Time: 1106

Lab File ID: A01CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	55.9	50.0	LINR	-11.8	20.0	
2,2-Dichloropropane	40.0	50.0	2ORDR	20.0	20.0	
1,1-Dichloropropene	52.0	50.0	AVRG	-4.0	20.0	
1,3-Dichloropropane	47.4	50.0	AVRG	5.2	20.0	
1,2-Dibromoethane	43.6	50.0	LINR	12.8	20.0	
1,1,1,2-Tetrachloroethane	45.8	50.0	LINR	8.4	20.0	
Isopropylbenzene	48.8	50.0	LINR	2.4	20.0	
Bromobenzene	47.0	50.0	AVRG	6.0	20.0	
n-Propylbenzene	53.1	50.0	AVRG	-6.2	20.0	
2-Chlorotoluene	50.0	50.0	AVRG	0.0	20.0	
4-Chlorotoluene	50.4	50.0	AVRG	-0.8	20.0	
1,3,5-Trimethylbenzene	50.9	50.0	AVRG	-1.8	20.0	
tert-Butylbenzene	53.2	50.0	AVRG	-6.4	20.0	
1,2,4-Trimethylbenzene	51.4	50.0	AVRG	-2.8	20.0	
sec-Butylbenzene	55.2	50.0	AVRG	-10.4	20.0	
p-Isopropyltoluene	53.2	50.0	AVRG	-6.4	20.0	
n-Butylbenzene	50.4	50.0	LINR	-0.8	20.0	
1,2-Dibromo-3-chloropropane	39.7	50.0	LINR	20.6	20.0	<-
1,2,4-Trichlorobenzene	46.3	50.0	LINR	7.4	20.0	
Hexachlorobutadiene	52.5	50.0	LINR	-5.0	20.0	
Naphthalene	38.2	50.0	LINR	23.6	20.0	<-
1,2,3-Trichlorobenzene	45.0	50.0	LINR	10.0	20.0	
Acrolein	1290	1000	AVRG	-29.0	20.0	<-
Carbon Disulfide	102	100	LINR	-2.0	20.0	
Acetone	213	250	LINR	14.8	20.0	
Acrylonitrile	791	1000	AVRG	20.9	20.0	<-
Vinyl Acetate	134	200	LINR	33.0	20.0	<-
2-Butanone	208	250	AVRG	16.8	20.0	
2-Chloroethyl vinyl ether	0.000	100	AVRG	100.0	20.0	<-
4-Methyl-2-Pentanone	178	250	LINR	28.8	20.0	<-
2-Hexanone	174	250	LINR	30.4	20.0	<-
Methyl-tert-butyl ether	71.5	100	LINR	28.5	20.0	<-
Iodomethane	97.5	100	LINR	2.5	20.0	
trans-1,4-Dichloro-2-butene	39.1	50.0	LINR	21.8	20.0	<-
Ethyl Methacrylate	33.9	50.0	LINR	32.2	20.0	<-
2,methyl-naphthalene	31.1	50.0	LINR	37.8	20.0	<-
n-Hexane	46.1	50.0	LINR	7.8	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: A041709.B

Instrument ID: 50MSV5 Calibration Date: 04/17/09 Time: 1106

Lab File ID: A01CCV Init. Calib. Date(s): 04/07/09 04/07/09

Heated Purge: (Y/N) N Init. Calib. Times: 1305 1722

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	53.6	50.0	LINR	-7.2	20.0	
1,2-dichlorotrifluoroethane	49.6	50.0	AVRG	0.8	20.0	
Tetrahydrofuran	1.64	50.0	LINR	96.7	20.0	<-
allyl chloride	93.8	100	AVRG	6.2	20.0	
Diethyl ether	39.6	50.0	LINR	20.8	20.0	<-
Isobutyl alcohol	41.7	50.0	AVRG	16.6	20.0	
Methyl methacrylate	32.9	50.0	LINR	34.2	20.0	<-
Propionitrile	37.0	50.0	LINR	26.0	20.0	<-
tert-Butyl Alcohol	81.3	100	AVRG	18.7	20.0	
2,2,4-Trimethylpentane	52.1	50.0	AVRG	-4.2	20.0	
Methyl Acetate	35.4	50.0	LINR	29.2	20.0	<-
Cyclohexane	51.0	50.0	AVRG	-2.0	20.0	
Methylcyclohexane	49.7	50.0	LINR	0.6	20.0	
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Toluene-d8	51.0	50.0	AVRG	-2.0	20.0	
4-Bromofluorobenzene	48.6	50.0	AVRG	2.8	20.0	
Dibromofluoromethane (S)	51.0	50.0	AVRG	-2.0	20.0	

Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A00BFB.D

Date : 17-APR-2009 10:30

Client ID: bfb050

Instrument: 50MSV5.i

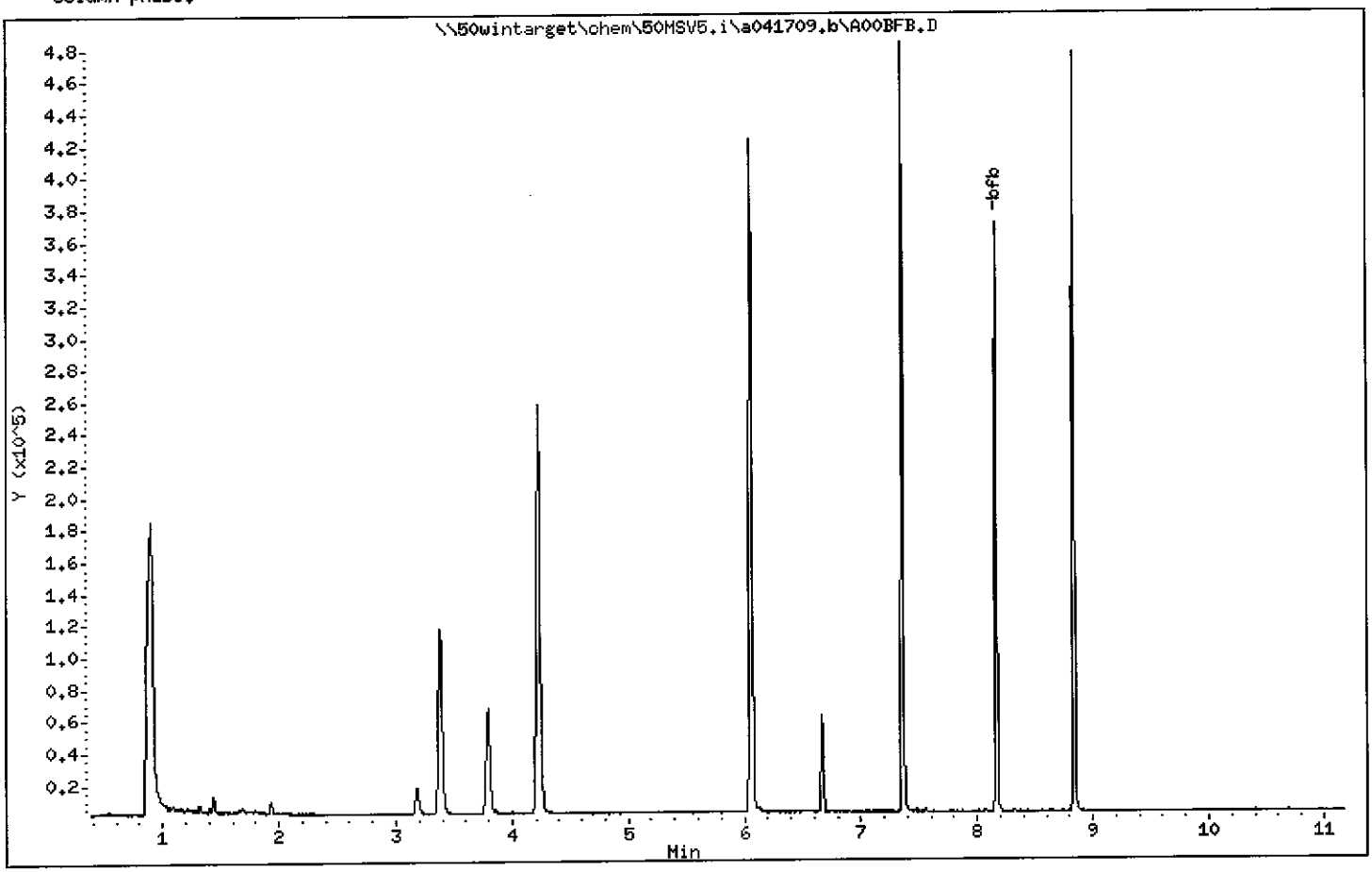
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A00BFB.D

Date : 17-APR-2009 10:30

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

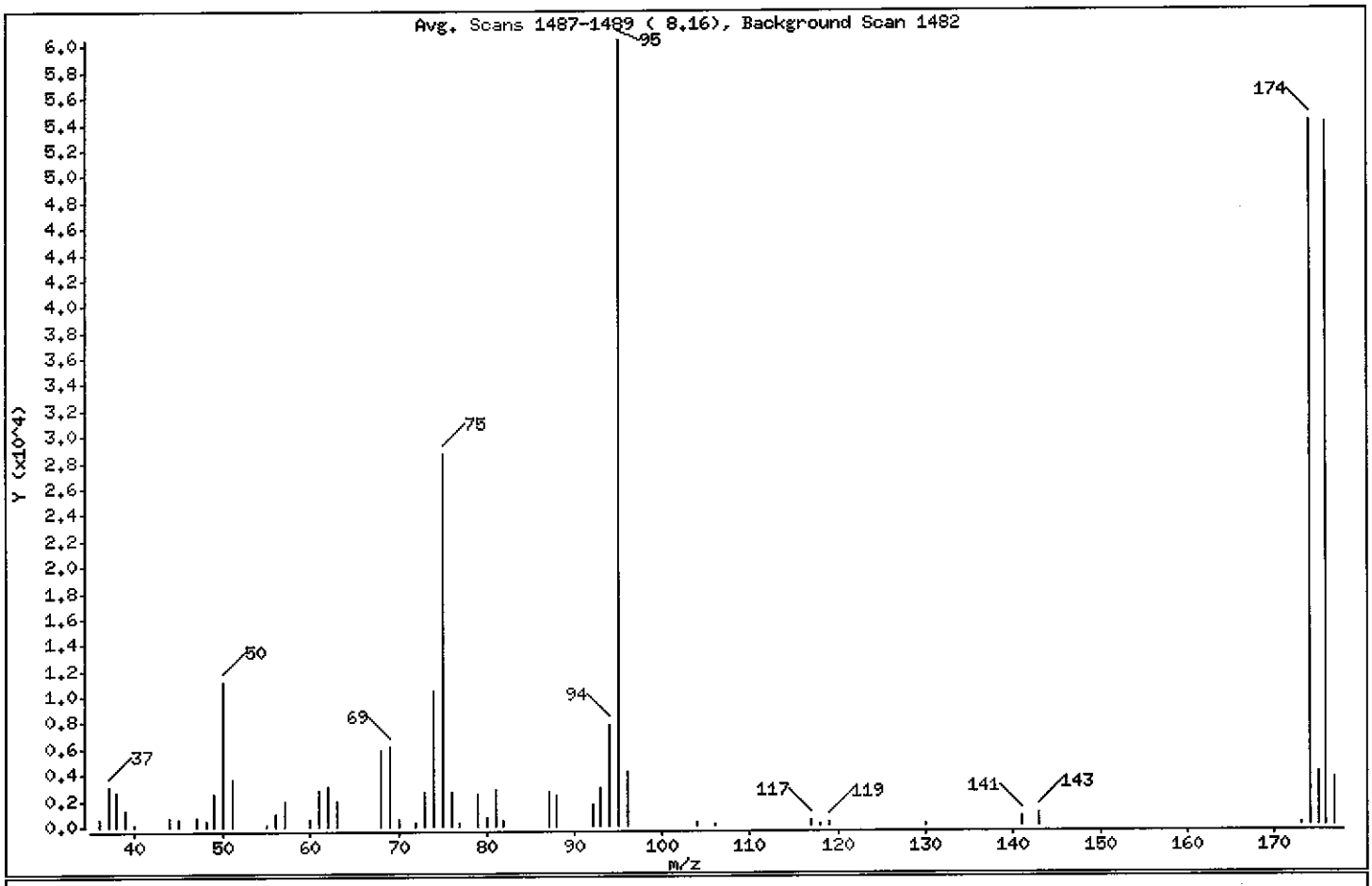
Volume Injected (uL): 1.0

Operator: ala

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	18.40
75	30.00 - 60.00% of mass 95	47.25
96	5.00 - 9.00% of mass 95	6.89
173	Less than 2.00% of mass 174	0.22 (0.25)
174	50.00 - 100.00% of mass 95	89.43
175	5.00 - 9.00% of mass 174	6.58 (7.36)
176	95.00 - 101.00% of mass 174	89.17 (99.70)
177	5.00 - 9.00% of mass 176	5.98 (6.71)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A00BFB.D

Date : 17-APR-2009 10:30

Client ID: bfb050

Instrument: 50MSV5.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: A00BFB.D

Spectrum: Avg. Scans 1487-1489 (8.16), Background Scan 1482

Location of Maximum: 95.00

Number of points: 52

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	563	57.00	1951	79.00	2539	118.00	113
37.00	3027	60.00	510	80.00	643	119.00	244
38.00	2616	61.00	2850	81.00	2829	130.00	119
39.00	1201	62.00	3018	82.00	482	141.00	756
40.00	119	63.00	1913	87.00	2638	143.00	920
44.00	692	68.00	5801	88.00	2359	173.00	135
45.00	573	69.00	6054	92.00	1636	174.00	54088
47.00	728	70.00	543	93.00	2905	175.00	3980
48.00	413	72.00	237	94.00	7730	176.00	53928
49.00	2525	73.00	2632	95.00	60480	177.00	3618
50.00	11130	74.00	10368	96.00	4167		
51.00	3607	75.00	28576	104.00	296		
55.00	112	76.00	2651	106.00	160		
56.00	1041	77.00	262	117.00	476		

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041709.b\A01CCV.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 17-APR-2009 11:06
Operator : ala Inst ID: 50MSV5.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Meth Date : 20-Apr-2009 13:02 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 3 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.965	0.965	(0.229)	89208	50.0000	55.9
2 Chloromethane	50	1.054	1.059	(0.250)	93587	50.0000	53.3
3 Vinyl Chloride	62	1.096	1.101	(0.260)	87871	50.0000	51.6
4 Bromomethane	94	1.253	1.253	(0.297)	68627	50.0000	57.9
139 Methyl Acetate	43	2.100	2.105	(0.497)	26576	50.0000	35.4
5 Chloroethane	64	1.289	1.295	(0.305)	49896	50.0000	53.3
6 Trichlorofluoromethane	101	1.410	1.415	(0.334)	196410	50.0000	57.3
7 Diethyl ether	74	1.540	1.540	(0.365)	23629	50.0000	39.6
8 Acrolein	56	1.608	1.614	(0.381)	97523	1000.00	1290
9 1,1-Dichloroethene	96	1.666	1.671	(0.395)	73862	50.0000	47.6
10 1,1,2trichlorotrifluoroethane	101	1.656	1.661	(0.392)	91801	50.0000	53.6
11 Acetone	43	1.687	1.687	(0.399)	58495	250.000	213
12 Iodomethane	142	1.755	1.760	(0.416)	273985	100.000	97.5
13 Carbon Disulfide	76	1.802	1.802	(0.427)	415548	100.000	102
142 Acetonitrile	41	1.860	1.865	(0.440)	226815	1000.00	
14 allyl chloride	41	1.860	1.865	(0.440)	226815	100.000	93.8
15 Methylene Chloride	84	1.933	1.938	(0.458)	73866	50.0000	49.6
16 Acrylonitrile	53	2.079	2.084	(0.492)	235697	1000.00	791
17 tert-Butyl Alcohol	59	1.535	1.540	(0.364)	36955	100.000	81.3
18 1,2-Dichloroethene (trans)	96	2.100	2.105	(0.497)	82924	50.0000	48.9
19 Methyl-tert-butyl ether	73	2.100	2.105	(0.497)	116310	100.000	71.5
20 n-Hexane	57	2.283	2.288	(0.541)	109798	50.0000	46.1
21 1,1-Dichloroethane	63	2.398	2.403	(0.568)	136177	50.0000	47.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
23 Vinyl Acetate	43	2.430	2.435	(0.575)	260510	200.000	134
143 Chloroprene	53	2.466	2.471	(0.584)	131444	50.0000	
24 2,2-Dichloropropane	77	2.885	2.890	(0.683)	37598	50.0000	40.0
144 Methacrylonitrile	41	3.178	3.188	(0.752)	17280	250.000	
25 1,2-Dichloroethene (cis)	96	2.885	2.890	(0.683)	86112	50.0000	49.3
26 2-Butanone	43	2.900	2.911	(0.687)	80656	250.000	208
27 Propionitrile	54	2.968	2.979	(0.703)	3944	50.0000	37.0
28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.364)	99980	50.0000	49.6
29 Bromochloromethane	49	3.120	3.125	(0.739)	60892	50.0000	47.8
30 Tetrahydrofuran	42	3.172	3.183	(0.751)	26657	50.0000	1.64
31 Chloroform	83	3.204	3.214	(0.759)	136443	50.0000	47.6
$ 32 Dibromofluoromethane (S)	113	3.382	3.392	(0.801)	89065	50.0000	51.0
33 1,1,1-Trichloroethane	97	3.408	3.413	(0.807)	91367	50.0000	45.8
35 Carbon Tetrachloride	117	3.601	3.612	(0.853)	80503	50.0000	44.9
36 1,1-Dichloropropene	75	3.606	3.612	(0.854)	102639	50.0000	52.0
37 Isobutyl alcohol	43	2.900	2.911	(0.687)	80656	50.0000	41.7
140 Cyclohexane	56	3.465	3.476	(0.820)	130890	50.0000	51.0
38 Benzene	78	3.868	3.878	(0.916)	284214	50.0000	49.4
39 1,2-Dichloroethane	62	3.894	3.899	(0.922)	76761	50.0000	46.2
138 2,2,4-Trimethylpentane	57	3.983	3.993	(0.943)	307444	50.0000	52.1
141 Methylcyclohexane	55	4.883	4.893	(1.156)	111917	50.0000	49.7
* 40 Fluorobenzene	96	4.224	4.234	(1.000)	322352	50.0000	
41 Trichloroethene	95	4.668	4.679	(1.105)	80520	50.0000	46.8
42 1,2-Dichloropropane	63	4.930	4.935	(1.167)	70907	50.0000	48.4
43 Dibromomethane	93	5.060	5.071	(1.198)	33437	50.0000	45.2
44 Methyl methacrylate	69	5.123	5.128	(1.213)	15416	50.0000	32.9
45 Bromodichloromethane	83	5.259	5.270	(1.245)	85929	50.0000	51.2
47 cis-1,3-Dichloropropene	75	5.772	5.777	(0.785)	68827	50.0000	39.4
48 4-Methyl-2-Pentanone	43	5.970	5.976	(0.812)	143892	250.000	178
$ 49 Toluene-d8	98	6.054	6.059	(0.823)	328114	50.0000	51.0
50 Toluene	91	6.127	6.133	(0.833)	338394	50.0000	47.1
51 trans-1,3-Dichloropropene	75	6.389	6.394	(0.868)	42878	50.0000	37.8
52 Ethyl Methacrylate	69	6.514	6.520	(0.886)	32683	50.0000	33.9
53 1,1,2-Trichloroethane	83	6.556	6.562	(0.891)	38289	50.0000	47.3
54 Tetrachloroethene	166	6.671	6.677	(0.907)	115028	50.0000	50.0
55 1,3-Dichloropropane	76	6.708	6.713	(0.912)	75007	50.0000	47.4
56 2-Hexanone	43	6.813	6.818	(0.926)	90108	250.000	174
57 Dibromochloromethane	129	6.896	6.901	(0.937)	56369	50.0000	44.0
58 1,2-Dibromoethane	107	6.980	6.985	(0.949)	45131	50.0000	43.6
* 59 Chlorobenzene-d5	117	7.356	7.362	(1.000)	223700	50.0000	
60 Chlorobenzene	112	7.377	7.377	(1.003)	232271	50.0000	49.8
61 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.012)	63461	50.0000	45.8
62 Ethylbenzene	106	7.466	7.472	(1.015)	130056	50.0000	51.8
63 m&p-Xylene	106	7.555	7.555	(1.027)	329282	100.000	99.4
65 o-Xylene	106	7.827	7.827	(1.064)	148923	50.0000	49.7
66 Styrene	104	7.838	7.838	(1.065)	235327	50.0000	47.9
67 Bromoform	173	7.953	7.958	(0.900)	25137	50.0000	42.7
68 Isopropylbenzene	105	8.429	8.429	(1.146)	328546	50.0000	48.8
69 trans-1,4-Dichloro-2-butene	53	8.293	8.298	(1.127)	7572	50.0000	39.1
$ 70 4-Bromofluorobenzene	95	8.162	8.167	(1.109)	92812	50.0000	48.6
71 Bromobenzene	77	8.251	8.256	(1.122)	107305	50.0000	47.0
72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.935)	45572	50.0000	43.7
73 1,2,3-Trichloropropane	75	8.282	8.287	(0.937)	37265	50.0000	41.9
74 n-Propylbenzene	91	8.324	8.329	(0.942)	473580	50.0000	53.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
75 2-Chlorotoluene	91	8.371	8.376	(0.947)	254908	50.0000	50.0
76 4-Chlorotoluene	126	8.439	8.439	(0.955)	104557	50.0000	50.4
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.954)	328546	50.0000	50.9
78 tert-Butylbenzene	119	8.617	8.622	(0.975)	388633	50.0000	53.2
79 1,2,4-Trimethylbenzene	105	8.643	8.648	(0.978)	314924	50.0000	51.4
80 sec-Butylbenzene	105	8.737	8.743	(0.989)	458679	50.0000	55.2
81 1,3-Dichlorobenzene	146	8.800	8.805	(0.996)	189220	50.0000	50.4
* 82 1,4-Dichlorobenzene-d4	152	8.837	8.842	(1.000)	122390	50.0000	
83 p-Isopropyltoluene	119	8.617	8.622	(0.975)	388633	50.0000	53.2
84 1,4-Dichlorobenzene	146	8.852	8.858	(1.002)	194901	50.0000	49.6
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.025)	160358	50.0000	48.7
86 n-Butylbenzene	91	9.041	9.041	(1.023)	342409	50.0000	50.4
87 1,2-Dibromo-3-chloropropane	155	9.459	9.464	(1.070)	4401	50.0000	39.7
88 1,2,4-Trichlorobenzene	180	9.872	9.877	(1.117)	96746	50.0000	46.3
89 Hexachlorobutadiene	225	9.956	9.956	(1.127)	76372	50.0000	52.5
90 Naphthalene	128	10.008	10.013	(1.133)	127122	50.0000	38.2
91 1,2,3-Trichlorobenzene	180	10.134	10.139	(1.147)	78273	50.0000	45.0
92 2,methyl-naphthalene	142	10.641	10.646	(1.204)	41670	50.0000	31.1

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A01CCV.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	322352	-13.74
59 Chlorobenzene-d5	255255	127628	510510	223700	-12.36
82 1,4-Dichlorobenze	136223	68112	272446	122390	-10.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.26	3.76	4.76	4.22	-0.73
59 Chlorobenzene-d5	7.37	6.87	7.87	7.36	-0.21
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.18

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m

Injection Date: 17-APR-2009 11:06
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	50.00000	55.90263	0.27674	0.100	11.80525	0.000e+000	Linear	
2 Chloromethane	50.00000	53.33842	0.29033	0.100	6.67685	0.000e+000	Linear	
3 Vinyl Chloride	0.26428	0.27259	0.27259	0.100	3.14593	20.00000	Averaged	
4 Bromomethane	0.18384	0.21289	0.21289	0.100	15.80731	20.00000	Averaged	
139 Methyl Acetate	50.00000	35.35964	0.08244	0.100	-29.28073	0.000e+000	Linear	
5 Chloroethane	50.00000	53.29442	0.15479	0.100	6.58885	0.000e+000	Linear	
6 Trichlorofluoromethane	0.53163	0.60930	0.60930	0.100	14.61070	20.00000	Averaged	
7 Diethyl ether	50.00000	39.56833	0.07330	0.100	-20.86334	0.000e+000	Linear	
8 Acrolein	0.01172	0.01513	0.01513	0.100	29.03552	20.00000	Averaged	<-
9 1,1-Dichloroethene	0.24057	0.22913	0.22913	0.100	-4.75507	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	50.00000	53.65504	0.28478	0.100	7.31008	0.000e+000	Linear	
11 Acetone	250	213	0.03629	0.100	-14.78480	0.000e+000	Linear	
12 Iodomethane	100	97.54554	0.42498	0.100	-2.45446	0.000e+000	Linear	
13 Carbon Disulfide	100	102	0.64456	0.100	2.11849	0.000e+000	Linear	
142 Acetonitrile	++++	0.03518	0.03518	0.100	++++	20.00000	Averaged	<-
14 allyl chloride	0.37520	0.35181	0.35181	0.100	-6.23448	20.00000	Averaged	
15 Methylene Chloride	50.00000	49.55267	0.22915	0.100	-0.89465	0.000e+000	Linear	
16 Acrylonitrile	0.04622	0.03656	0.03656	0.100	-20.90666	20.00000	Averaged	<-
17 tert-Butyl Alcohol	0.07048	0.05732	0.05732	0.100	-18.67587	20.00000	Averaged	
18 1,2-Dichloroethene (trans)	0.26286	0.25725	0.25725	0.100	-2.13390	20.00000	Averaged	
19 Methyl-tert-butyl ether	100	71.54069	0.18041	0.100	-28.45931	0.000e+000	Linear	
20 n-Hexane	50.00000	46.09300	0.34062	0.100	-7.81399	0.000e+000	Linear	
21 1,1-Dichloroethane	0.44894	0.42245	0.42245	0.100	-5.90106	20.00000	Averaged	
23 Vinyl Acetate	200	135	0.20204	0.100	-32.70133	0.000e+000	Linear	
143 Chloroprene	++++	0.40777	0.40777	0.100	++++	20.00000	Averaged	<-
24 2,2-Dichloropropane	50.00000	39.99417	0.11664	0.100	-20.01165	0.000e+000	Quadratic	
144 Methacrylonitrile	++++	0.01072	0.01072	0.100	++++	20.00000	Averaged	<-
25 1,2-Dichloroethene (cis)	0.27085	0.26714	0.26714	0.100	-1.36955	20.00000	Averaged	
26 2-Butanone	0.06004	0.05004	0.05004	0.100	-16.64954	20.00000	Averaged	
27 Propionitrile	50.00000	36.98656	0.01224	0.100	-26.02688	0.000e+000	Linear	
28 1,2-dichlorotrifluoroethane	0.31269	0.31016	0.31016	0.100	-0.80952	20.00000	Averaged	
29 Bromochloromethane	50.00000	47.78581	0.18890	0.100	-4.42838	0.000e+000	Linear	
30 Tetrahydrofuran	50.00000	1.64537	0.08270	0.100	-96.70927	0.000e+000	Linear	
31 Chloroform	0.44502	0.42327	0.42327	0.100	-4.88678	20.00000	Averaged	
$ 32 Dibromofluoromethane (S)	0.27107	0.27630	0.27630	0.100	1.92876	20.00000	Averaged	
33 1,1,1-Trichloroethane	50.00000	45.78943	0.28344	0.100	-8.42114	0.000e+000	Linear	
35 Carbon Tetrachloride	50.00000	44.93258	0.24974	0.100	-10.13483	0.000e+000	Linear	
36 1,1-Dichloropropene	0.30619	0.31841	0.31841	0.100	3.98823	20.00000	Averaged	
37 Isobutyl alcohol	0.30019	0.25021	0.25021	0.100	-16.64845	20.00000	Averaged	
140 Cyclohexane	0.39814	0.40605	0.40605	0.100	1.98693	20.00000	Averaged	
38 Benzene	0.89291	0.88169	0.88169	0.100	-1.25625	20.00000	Averaged	
39 1,2-Dichloroethane	0.25746	0.23813	0.23813	0.100	-7.51052	20.00000	Averaged	
138 2,2,4-Trimethylpentane	0.91511	0.95375	0.95375	0.100	4.22301	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i Injection Date: 17-APR-2009 11:06
Lab File ID: A01CCV.D Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Analysis Type: WATER Init. Cal. Times: 13:05 17:22
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
141 Methylcyclohexane	50.00000	49.73440	0.34719	0.100	-0.53120	0.000e+000	Linear	
41 Trichloroethene	50.00000	46.82267	0.24979	0.100	-6.35466	0.000e+000	Linear	
42 1,2-Dichloropropane	0.22741	0.21997	0.21997	0.100	-3.27321	20.00000	Averaged	
43 Dibromomethane	50.00000	45.18528	0.10373	0.100	-9.62945	0.000e+000	Linear	
44 Methyl methacrylate	50.00000	32.92368	0.04782	0.100	-34.15264	0.000e+000	Linear	
147 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
45 Bromodichloromethane	0.26046	0.26657	0.26657	0.100	2.34477	20.00000	Averaged	
46 2-Chloroethyl vinyl ether	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
47 cis-1,3-Dichloropropene	50.00000	39.35121	0.30768	0.100	-21.29758	0.000e+000	Linear	
48 4-Methyl-2-Pentanone	250	178	0.12865	0.100	-28.83729	0.000e+000	Linear	
$ 49 Toluene-d8	1.43830	1.46676	1.46676	0.100	1.97860	20.00000	Averaged	
50 Toluene	1.60458	1.51271	1.51271	0.100	-5.72521	20.00000	Averaged	
51 trans-1,3-Dichloropropene	50.00000	37.83002	0.19168	0.100	-24.33995	0.000e+000	Linear	
52 Ethyl Methacrylate	50.00000	33.88731	0.14610	0.100	-32.22538	0.000e+000	Linear	
53 1,1,2-Trichloroethane	0.18098	0.17116	0.17116	0.100	-5.42351	20.00000	Averaged	
54 Tetrachloroethene	0.51431	0.51421	0.51421	0.100	-0.01987	20.00000	Averaged	
55 1,3-Dichloropropane	0.35357	0.33530	0.33530	0.100	-5.16777	20.00000	Averaged	
56 2-Hexanone	250	174	0.08056	0.100	-30.24305	0.000e+000	Linear	
57 Dibromochloromethane	50.00000	44.04459	0.25198	0.100	-11.91082	0.000e+000	Linear	
58 1,2-Dibromoethane	50.00000	43.65098	0.20175	0.100	-12.69804	0.000e+000	Linear	
60 Chlorobenzene	1.04299	1.03831	1.03831	0.100	-0.44828	20.00000	Averaged	
61 1,1,1,2-Tetrachloroethane	50.00000	45.75529	0.28369	0.100	-8.48942	0.000e+000	Linear	
62 Ethylbenzene	0.56079	0.58139	0.58139	0.100	3.67243	20.00000	Averaged	
63 m&p-Xylene	0.74040	0.73599	0.73599	0.100	-0.59594	20.00000	Averaged	
65 o-Xylene	0.67021	0.66573	0.66573	0.100	-0.66844	20.00000	Averaged	
66 Styrene	50.00000	47.93808	1.05198	0.100	-4.12383	0.000e+000	Linear	
67 Bromoform	50.00000	42.73816	0.20538	0.100	-14.52367	0.000e+000	Linear	
68 Isopropylbenzene	50.00000	48.83298	1.46869	0.100	-2.33403	0.000e+000	Linear	
69 trans-1,4-Dichloro-2-butene	50.00000	39.07967	0.03385	0.100	-21.84067	0.000e+000	Linear	
$ 70 4-Bromofluorobenzene	0.42693	0.41489	0.41489	0.100	-2.81797	20.00000	Averaged	
71 Bromobenzene	0.51006	0.47968	0.47968	0.100	-5.95589	20.00000	Averaged	
72 1,1,2,2-Tetrachloroethane	0.42632	0.37235	0.37235	0.100	-12.66035	20.00000	Averaged	
73 1,2,3-Trichloropropane	0.36359	0.30448	0.30448	0.100	-16.25832	20.00000	Averaged	
74 n-Propylbenzene	3.64303	3.86943	3.86943	0.100	6.21474	20.00000	Averaged	
75 2-Chlorotoluene	2.08195	2.08275	2.08275	0.100	0.03857	20.00000	Averaged	
76 4-Chlorotoluene	0.84652	0.85429	0.85429	0.100	0.91792	20.00000	Averaged	
77 1,3,5-Trimethylbenzene	2.63625	2.68442	2.68442	0.100	1.82707	20.00000	Averaged	
78 tert-Butylbenzene	2.98669	3.17537	3.17537	0.100	6.31707	20.00000	Averaged	
79 1,2,4-Trimethylbenzene	2.50353	2.57312	2.57312	0.100	2.77973	20.00000	Averaged	
80 sec-Butylbenzene	3.39766	3.74768	3.74768	0.100	10.30193	20.00000	Averaged	
81 1,3-Dichlorobenzene	1.53301	1.54604	1.54604	0.100	0.85036	20.00000	Averaged	
83 p-Isopropyltoluene	2.98669	3.17537	3.17537	0.100	6.31707	20.00000	Averaged	

Pace Analytical Services, Inc.

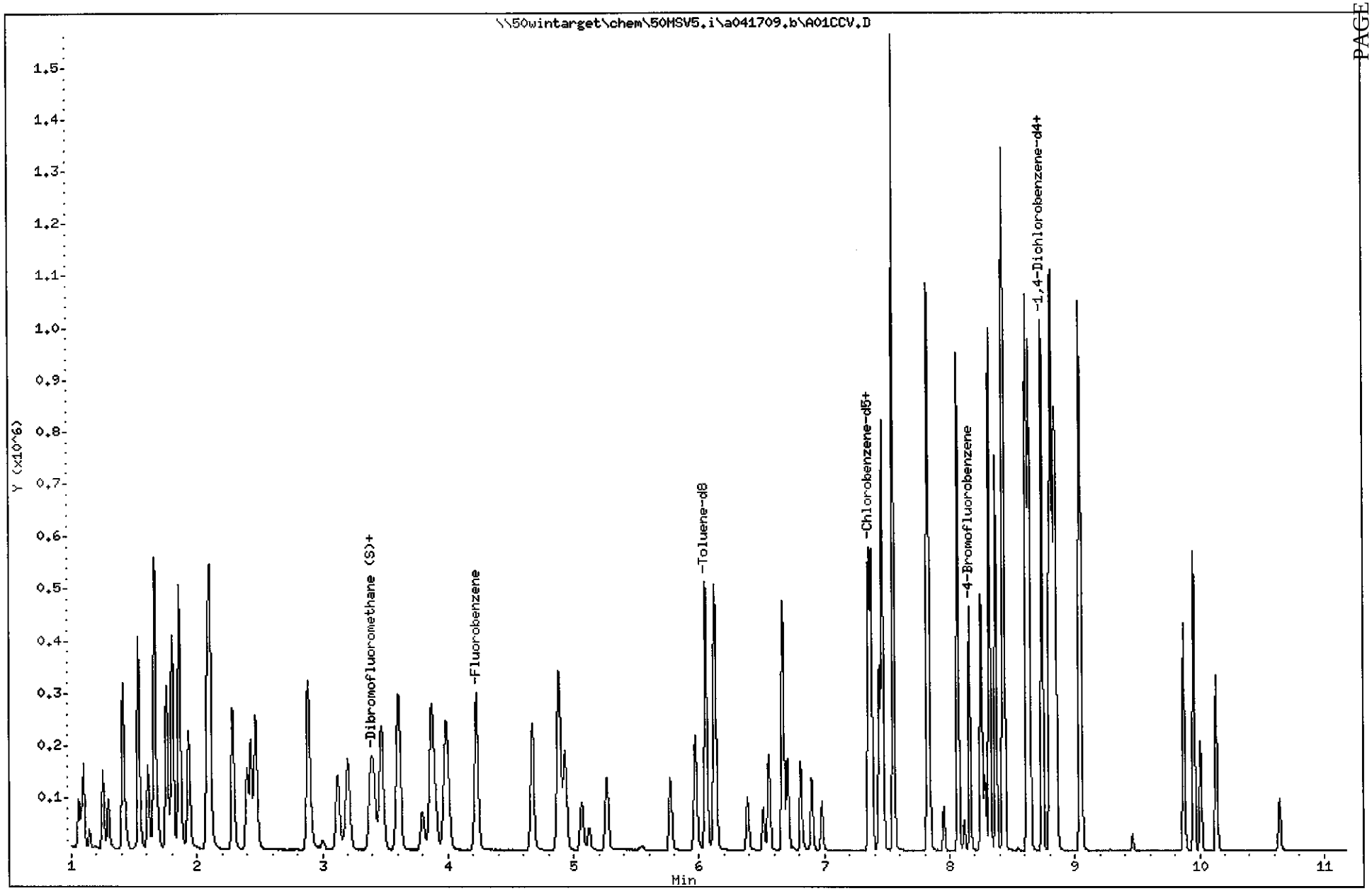
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV5.i
Lab File ID: A01CCV.D
Analysis Type: WATER
Lab Sample ID: ccv
Injection Date: 17-APR-2009 11:06
Init. Cal. Date(s): 07-APR-2009 07-APR-2009
Init. Cal. Times: 13:05 17:22
Quant Type: ISTD
Method: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
84 1,4-Dichlorobenzene	1.60339	1.59246	1.59246	0.100	-0.68162	20.00000	Averaged
85 1,2-Dichlorobenzene	1.34479	1.31022	1.31022	0.100	-2.57054	20.00000	Averaged
86 n-Butylbenzene	50.00000	50.45022	2.79769	0.100	0.90045	0.000e+000	Linear
87 1,2-Dibromo-3-chloropropane	50.00000	39.72720	0.03596	0.100	-20.54559	0.000e+000	Linear
88 1,2,4-Trichlorobenzene	50.00000	46.34417	0.79047	0.100	-7.31165	0.000e+000	Linear
89 Hexachlorobutadiene	50.00000	52.53805	0.62401	0.100	5.07611	0.000e+000	Linear
90 Naphthalene	50.00000	38.15112	1.03866	0.100	-23.69776	0.000e+000	Linear
91 1,2,3-Trichlorobenzene	50.00000	45.03736	0.63954	0.100	-9.92527	0.000e+000	Linear
92 2,methyl-naphthalene	50.00000	31.13230	0.34047	0.100	-37.73540	0.000e+000	Linear

Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A01CCV.D
Date : 17-APR-2009 11:06
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



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GC/MS Volatiles

Section 4: Quality Control Data

**** Laboratory Control Samples (LCS)***
**** Matrix Spike and Spike Duplicate Samples (MS/MSD)***

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A02LCS.D
Lab Smp Id: 287387 Client Smp ID: lcs
Inj Date : 15-APR-2009 11:44
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 5 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	0.970	0.970	(0.229)	88747	47.4784	47.5
2 Chloromethane	50	1.064	1.064	(0.251)	102217	50.0556	50.0
3 Vinyl Chloride	62	1.101	1.101	(0.260)	97524	49.2542	49.2
4 Bromomethane	94	1.258	1.253	(0.297)	72762	52.8289	52.8
139 Methyl Acetate	43	2.110	2.105	(0.498)	41822	44.9472	44.9
5 Chloroethane	64	1.300	1.295	(0.307)	58205	53.5158	53.5
6 Trichlorofluoromethane	101	1.415	1.415	(0.334)	217285	54.5528	54.6
7 Diethyl ether	74	1.545	1.546	(0.365)	32378	47.4148	47.4
8 Acrolein	56	1.613	1.614	(0.381)	186159	2119.54	2120(R)
9 1,1-Dichloroethene	96	1.671	1.671	(0.394)	85748	47.5741	47.6
10 1,1,2trichlorotrifluoroethane	101	1.666	1.661	(0.393)	111122	56.1876	56.2
11 Acetone	43	1.692	1.692	(0.399)	168545	623.925	624(R)
12 Iodomethane	142	1.765	1.765	(0.416)	329253	101.107	101
13 Carbon Disulfide	76	1.807	1.807	(0.426)	431427	89.6870	89.7
142 Acetonitrile	41	1.864	1.865	(0.440)	254041		
14 allyl chloride	41	1.864	1.865	(0.440)	254041	90.3714	90.4
15 Methylene Chloride	84	1.938	1.938	(0.457)	86087	49.7245	49.7
16 Acrylonitrile	53	2.089	2.090	(0.493)	311316	898.965	899
17 tert-Butyl Alcohol	59	1.545	1.546	(0.365)	51105	96.7755	96.8
18 1,2-Dichloroethene (trans)	96	2.110	2.110	(0.498)	95882	48.6872	48.7
19 Methyl-tert-butyl ether	73	2.110	2.110	(0.498)	183553	91.2927	91.3
20 n-Hexane	57	2.293	2.294	(0.541)	142736	51.9801	52.0
21 1,1-Dichloroethane	63	2.408	2.403	(0.568)	148875	44.2617	44.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.440	2.440	(0.576)	296364	132.014	132
	143 Chloroprene	53	2.476	2.477	(0.584)	102575		
	24 2,2-Dichloropropane	77	2.900	2.895	(0.684)	50525	45.0022	45.0
	144 Methacrylonitrile	41	3.188	3.188	(0.752)	24873		
	25 1,2-Dichloroethene (cis)	96	2.895	2.895	(0.683)	96344	47.4786	47.5
	26 2-Butanone	43	2.916	2.916	(0.688)	174466	387.862	388
	27 Propionitrile	54	2.984	2.979	(0.704)	5418	43.4559	43.4(Q)
	28 1,2-dichlorotrifluoroethane	67	1.540	1.540	(0.363)	119424	50.9770	51.0
	29 Bromochloromethane	49	3.135	3.136	(0.740)	70190	47.3622	47.4
	30 Tetrahydrofuran	42	3.193	3.188	(0.753)	40974	37.0954	37.1
	31 Chloroform	83	3.219	3.219	(0.759)	150729	45.2077	45.2
$	32 Dibromofluoromethane (S)	113	3.397	3.397	(0.801)	99450	48.9689	49.0
	33 1,1,1-Trichloroethane	97	3.423	3.418	(0.808)	109640	47.1088	47.1
	35 Carbon Tetrachloride	117	3.617	3.617	(0.853)	99393	47.3646	47.4
	36 1,1-Dichloropropene	75	3.617	3.617	(0.853)	114157	49.7622	49.8
	37 Isobutyl alcohol	43	2.916	2.916	(0.688)	174466	77.5735	77.6
	140 Cyclohexane	56	3.481	3.481	(0.821)	151965	50.9457	50.9
	38 Benzene	78	3.883	3.883	(0.916)	319730	47.7940	47.8
	39 1,2-Dichloroethane	62	3.909	3.910	(0.922)	92144	47.7688	47.8
	138 2,2,4-Trimethylpentane	57	3.998	4.004	(0.943)	336732	49.1143	49.1
	141 Methylcyclohexane	55	4.898	4.898	(1.155)	125851	48.0714	48.1
*	40 Fluorobenzene	96	4.239	4.239	(1.000)	374606	50.0000	
	41 Trichloroethene	95	4.684	4.684	(1.105)	94829	47.4951	47.5
	42 1,2-Dichloropropane	63	4.945	4.945	(1.167)	83873	49.2272	49.2
	43 Dibromomethane	93	5.076	5.076	(1.197)	42000	49.0826	49.1
	44 Methyl methacrylate	69	5.133	5.134	(1.211)	25291	44.6142	44.6
	147 1,4-Dioxane	88	5.128	5.139	(1.210)	8323		
	45 Bromodichloromethane	83	5.275	5.275	(1.244)	97828	50.1320	50.1
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	87485	43.8294	43.8
	48 4-Methyl-2-Pentanone	43	5.981	5.981	(0.812)	221865	243.673	244
$	49 Toluene-d8	98	6.070	6.070	(0.825)	365819	50.6631	50.7
	50 Toluene	91	6.138	6.138	(0.834)	378813	47.0261	47.0
	51 trans-1,3-Dichloropropene	75	6.399	6.399	(0.869)	57919	43.2611	43.3
	52 Ethyl Methacrylate	69	6.525	6.525	(0.886)	50052	44.6775	44.7
	53 1,1,2-Trichloroethane	83	6.566	6.567	(0.892)	49267	54.2259	54.2
	54 Tetrachloroethene	166	6.681	6.682	(0.908)	114452	44.3277	44.3
	55 1,3-Dichloropropane	76	6.718	6.718	(0.913)	92437	52.0765	52.1
	56 2-Hexanone	43	6.823	6.823	(0.927)	227440	388.438	388
	57 Dibromochloromethane	129	6.906	6.907	(0.938)	69459	48.0802	48.1
	58 1,2-Dibromoethane	107	6.990	6.990	(0.950)	56071	48.2747	48.3
*	59 Chlorobenzene-d5	117	7.361	7.362	(1.000)	251012	50.0000	
	60 Chlorobenzene	112	7.382	7.383	(1.003)	262616	50.1553	50.2
	61 1,1,1,2-Tetrachloroethane	131	7.450	7.451	(1.012)	73388	46.9783	47.0
	62 Ethylbenzene	106	7.476	7.477	(1.016)	146433	52.0132	52.0
	63 m&p-Xylene	106	7.560	7.560	(1.027)	365540	98.3428	98.3
	65 o-Xylene	106	7.832	7.832	(1.064)	169625	50.4147	50.4
	66 Styrene	104	7.843	7.843	(1.065)	260422	47.3199	47.3
	67 Bromoform	173	7.963	7.963	(0.900)	30989	46.1961	46.2
	68 Isopropylbenzene	105	8.434	8.434	(1.146)	326968	43.7250	43.7
	69 trans-1,4-Dichloro-2-butene	53	8.303	8.303	(1.128)	9311	42.1498	42.1
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	108101	50.4374	50.4
	71 Bromobenzene	77	8.256	8.256	(1.121)	125138	48.8700	48.9
	72 1,1,2,2-Tetrachloroethane	83	8.266	8.266	(0.934)	58186	49.4557	49.4
	73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	47070	46.9104	46.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
74 n-Propylbenzene	91	8.329	8.329	(0.941)	522161	51.9374	51.9
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	287391	50.0197	50.0
76 4-Chlorotoluene	126	8.444	8.444	(0.954)	116899	50.0392	50.0
77 1,3,5-Trimethylbenzene	105	8.434	8.434	(0.953)	326968	44.9424	44.9
78 tert-Butylbenzene	119	8.627	8.622	(0.975)	391259	47.4692	47.5
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	321277	46.5013	46.5
80 sec-Butylbenzene	105	8.747	8.748	(0.989)	499539	53.2755	53.3
81 1,3-Dichlorobenzene	146	8.810	8.810	(0.996)	214140	50.6165	50.6
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	137985	50.0000	
83 p-Isopropyltoluene	119	8.627	8.622	(0.975)	391259	47.4692	47.5
84 1,4-Dichlorobenzene	146	8.857	8.857	(1.001)	195823	44.2551	44.2
85 1,2-Dichlorobenzene	146	9.061	9.061	(1.024)	187612	50.5527	50.6
86 n-Butylbenzene	91	9.046	9.046	(1.022)	341625	44.6650	44.7
87 1,2-Dibromo-3-chloropropane	155	9.469	9.469	(1.070)	5791	45.0557	45.0
88 1,2,4-Trichlorobenzene	180	9.882	9.883	(1.117)	111128	47.1960	47.2
89 Hexachlorobutadiene	225	9.961	9.961	(1.126)	76032	46.5254	46.5
90 Naphthalene	128	10.018	10.019	(1.132)	152984	40.6247	40.6
91 1,2,3-Trichlorobenzene	180	10.144	10.144	(1.147)	96442	49.2383	49.2
92 2,methyl-naphthalene	142	10.651	10.651	(1.204)	68220	40.6563	40.6

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A02LCS.D
Lab Smp Id: 287387
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	374606	0.24
59 Chlorobenzene-d5	255255	127628	510510	251012	-1.66
82 1,4-Dichlorobenze	136223	68112	272446	137985	1.29

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287387
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: lcs
Operator: ala
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	47.5	94.96	30-170
2 Chloromethane	50.0	50.0	100.11	35-147
3 Vinyl Chloride	50.0	49.2	98.51	55-141
4 Bromomethane	50.0	52.8	105.66	30-170
5 Chloroethane	50.0	53.5	107.03	56-153
6 Trichlorofluoromet	50.0	54.6	109.11	62-150
7 Diethyl ether	50.0	47.4	94.83	70-130
8 Acrolein	1000	2120	211.95*	30-170
9 1,1-Dichloroethene	50.0	47.6	95.15	63-128
10 1,1,2trichlorotrif	50.0	56.2	112.38	74-153
11 Acetone	250	624	249.57*	30-170
12 Iodomethane	100	101	101.11	41-170
13 Carbon Disulfide	100	89.7	89.69	58-152
14 allyl chloride	100	90.4	90.37	70-130
15 Methylene Chloride	50.0	49.7	99.45	32-164
16 Acrylonitrile	1000	899	89.90	67-136
17 tert-Butyl Alcohol	100	96.8	96.78	50-150
18 1,2-Dichloroethene	50.0	48.7	97.37	71-126
19 Methyl-tert-butyl	100	91.3	91.29	66-147
20 n-Hexane	50.0	52.0	103.96	69-157
21 1,1-Dichloroethane	50.0	44.3	88.52	67-133
23 Vinyl Acetate	200	132	66.01	41-145
24 2,2-Dichloropropan	50.0	45.0	90.00	52-144
25 1,2-Dichloroethene	50.0	47.5	94.96	74-128
26 2-Butanone	250	388	155.14	47-189
28 1,2-dichlorotriflu	50.0	51.0	101.95	54-162
29 Bromochloromethane	50.0	47.4	94.72	54-162
31 Chloroform	50.0	45.2	90.42	74-131
33 1,1,1-Trichloroeth	50.0	47.1	94.22	69-136
35 Carbon Tetrachlori	50.0	47.4	94.73	62-143
36 1,1-Dichloropropen	50.0	49.8	99.52	75-134
38 Benzene	50.0	47.8	95.59	78-127
39 1,2-Dichloroethane	50.0	47.8	95.54	69-139
41 Trichloroethene	50.0	47.5	94.99	74-130
42 1,2-Dichloropropan	50.0	49.2	98.45	76-129
43 Dibromomethane	50.0	49.1	98.17	73-133
44 Methyl methacrylat	50.0	44.6	89.23	70-130
45 Bromodichlorometha	50.0	50.1	100.26	69-133
47 cis-1,3-Dichloropr	50.0	43.8	87.66	54-123
48 4-Methyl-2-Pentano	250	244	97.47	61-135

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 Toluene	50.0	47.0	94.05	75-129
51 trans-1,3-Dichloro	50.0	43.3	86.52	54-123
52 Ethyl Methacrylate	50.0	44.7	89.35	59-138
53 1,1,2-Trichloroeth	50.0	54.2	108.45	77-132
54 Tetrachloroethene	50.0	44.3	88.66	60-119
55 1,3-Dichloropropan	50.0	52.1	104.15	74-126
56 2-Hexanone	250	388	155.38	57-167
57 Dibromochlorometha	50.0	48.1	96.16	66-131
58 1,2-Dibromoethane	50.0	48.3	96.55	75-126
60 Chlorobenzene	50.0	50.2	100.31	75-123
61 1,1,1,2-Tetrachlor	50.0	47.0	93.96	69-130
62 Ethylbenzene	50.0	52.0	104.03	81-126
63 m&p-Xylene	100	98.3	98.34	71-131
65 o-Xylene	50.0	50.4	100.83	72-127
66 Styrene	50.0	47.3	94.64	74-128
67 Bromoform	50.0	46.2	92.39	60-127
68 Isopropylbenzene	50.0	43.7	87.45	80-130
69 trans-1,4-Dichloro	50.0	42.1	84.30	50-150
71 Bromobenzene	50.0	48.9	97.74	62-139
72 1,1,2,2-Tetrachlor	50.0	49.4	98.91	69-130
73 1,2,3-Trichloropro	50.0	46.9	93.82	60-131
74 n-Propylbenzene	50.0	51.9	103.87	71-132
75 2-Chlorotoluene	50.0	50.0	100.04	72-128
76 4-Chlorotoluene	50.0	50.0	100.08	73-124
77 1,3,5-Trimethylben	50.0	44.9	89.88	74-130
78 tert-Butylbenzene	50.0	47.5	94.94	63-117
79 1,2,4-Trimethylben	50.0	46.5	93.00	73-130
80 sec-Butylbenzene	50.0	53.3	106.55	73-130
81 1,3-Dichlorobenzen	50.0	50.6	101.23	76-125
83 p-Isopropyltoluene	50.0	47.5	94.94	66-131
84 1,4-Dichlorobenzen	50.0	44.2	88.51	75-122
85 1,2-Dichlorobenzen	50.0	50.6	101.11	76-124
86 n-Butylbenzene	50.0	44.7	89.33	68-135
87 1,2-Dibromo-3-chlo	50.0	45.0	90.11	61-125
88 1,2,4-Trichloroben	50.0	47.2	94.39	60-130
89 Hexachlorobutadien	50.0	46.5	93.05	70-130
90 Naphthalene	50.0	40.6	81.25	61-135
91 1,2,3-Trichloroben	50.0	49.2	98.48	58-131
139 Methyl Acetate	50.0	44.9	89.89	30-170
140 Cyclohexane	50.0	50.9	101.89	63-134
141 Methylcyclohexane	50.0	48.1	96.14	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.0	97.94	80-123
$ 49 Toluene-d8	50.0	50.7	101.33	80-116
$ 70 4-Bromofluorobenze	50.0	50.4	100.87	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287387
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	47.5	
74-87-3	Chloromethane	50.0	
75-01-4	Vinyl Chloride	49.2	
74-83-9	Bromomethane	52.8	
79-20-9	Methyl Acetate	44.9	
75-00-3	Chloroethane	53.5	
75-69-4	Trichlorofluoromethane	54.6	
60-29-7	Diethyl ether	47.4	
107-02-8	Acrolein	2120	
75-35-4	1,1-Dichloroethene	47.6	
76-13-1	1,1,2trichlorotrifluoroethan	56.2	
67-64-1	Acetone	624	
	Iodomethane	101	
75-15-0	Carbon Disulfide	89.7	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	90.4	
75-09-2	Methylene Chloride	49.7	
107-13-1	Acrylonitrile	899	
75-65-0	tert-Butyl Alcohol	96.8	
156-60-5	1,2-Dichloroethene (trans)	48.7	
1634-04-4	Methyl-tert-butyl ether	91.3	
	n-Hexane	52.0	
75-34-3	1,1-Dichloroethane	44.3	
108-05-4	Vinyl Acetate	132	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	45.0	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	47.5	
78-93-3	2-Butanone	388	
107-12-0	Propionitrile	43.4	
354-23-4	1,2-dichlorotrifluoroethane	51.0	
74-97-5	Bromochloromethane	47.4	
	Tetrahydrofuran	37.1	
67-66-3	Chloroform	45.2	
71-55-6	1,1,1-Trichloroethane	47.1	
56-23-5	Carbon Tetrachloride	47.4	
563-58-6	1,1-Dichloropropene	49.8	
78-83-1	Isobutyl alcohol	77.6	
110-82-7	Cyclohexane	50.9	
71-43-2	Benzene	47.8	
107-06-2	1,2-Dichloroethane	47.8	
540-84-1	2,2,4-Trimethylpentane	49.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287387
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	48.1	
79-01-6	Trichloroethene	47.5	
78-87-5	1,2-Dichloropropane	49.2	
74-95-3	Dibromomethane	49.1	
80-62-6	Methyl methacrylate	44.6	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	50.1	
10061-01-5	cis-1,3-Dichloropropene	43.8	
108-10-1	4-Methyl-2-Pentanone	244	
108-88-3	Toluene	47.0	
10061-02-6	trans-1,3-Dichloropropene	43.3	
	Ethyl Methacrylate	44.7	
79-00-5	1,1,2-Trichloroethane	54.2	
127-18-4	Tetrachloroethene	44.3	
142-28-9	1,3-Dichloropropane	52.1	
591-78-6	2-Hexanone	388	
124-48-1	Dibromochloromethane	48.1	
106-93-4	1,2-Dibromoethane	48.3	
108-90-7	Chlorobenzene	50.2	
630-20-6	1,1,1,2-Tetrachloroethane	47.0	
100-41-4	Ethylbenzene	52.0	
7816-60-0	m&p-Xylene	98.3	
95-47-6	o-Xylene	50.4	
100-42-5	Styrene	47.3	
75-25-2	Bromoform	46.2	
98-82-8	Isopropylbenzene	43.7	
	trans-1,4-Dichloro-2-butene	42.1	
108-86-1	Bromobenzene	48.9	
79-34-5	1,1,2,2-Tetrachloroethane	49.4	
96-18-4	1,2,3-Trichloropropane	46.9	
103-65-1	n-Propylbenzene	51.9	
95-49-8	2-Chlorotoluene	50.0	
106-43-4	4-Chlorotoluene	50.0	
108-67-8	1,3,5-Trimethylbenzene	44.9	
98-06-6	tert-Butylbenzene	47.5	
95-63-6	1,2,4-Trimethylbenzene	46.5	
135-98-8	sec-Butylbenzene	53.3	
541-73-1	1,3-Dichlorobenzene	50.6	
99-87-6	p-Isopropyltoluene	47.5	
106-46-7	1,4-Dichlorobenzene	44.2	
95-50-1	1,2-Dichlorobenzene	50.6	
104-51-8	n-Butylbenzene	44.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

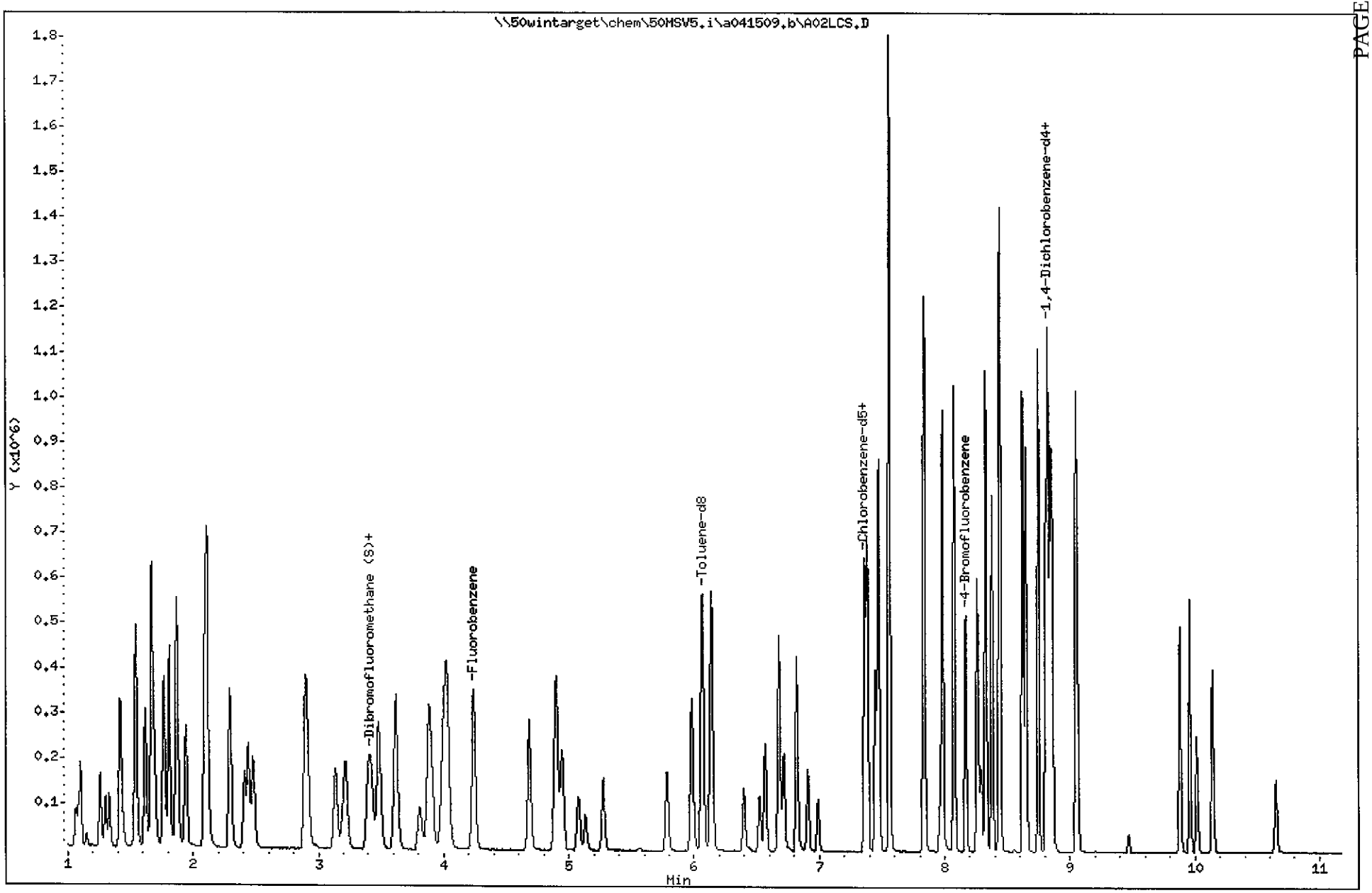
Client Name:
Lab Smp Id: 287387
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	45.0	
120-82-1	1,2,4-Trichlorobenzene	47.2	
87-68-3	Hexachlorobutadiene	46.5	
91-20-3	Naphthalene	40.6	
87-61-6	1,2,3-Trichlorobenzene	49.2	
	2,methyl-naphthalene	40.6	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	50.7	
460-00-4	4-Bromofluorobenzene	50.4	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A02LCS.D
Date : 15-APR-2009 11:44
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A02LCS.D

Date : 15-APR-2009 11:44

Client ID: lcs

Instrument: 50MSV5.i

Sample Info: lcs

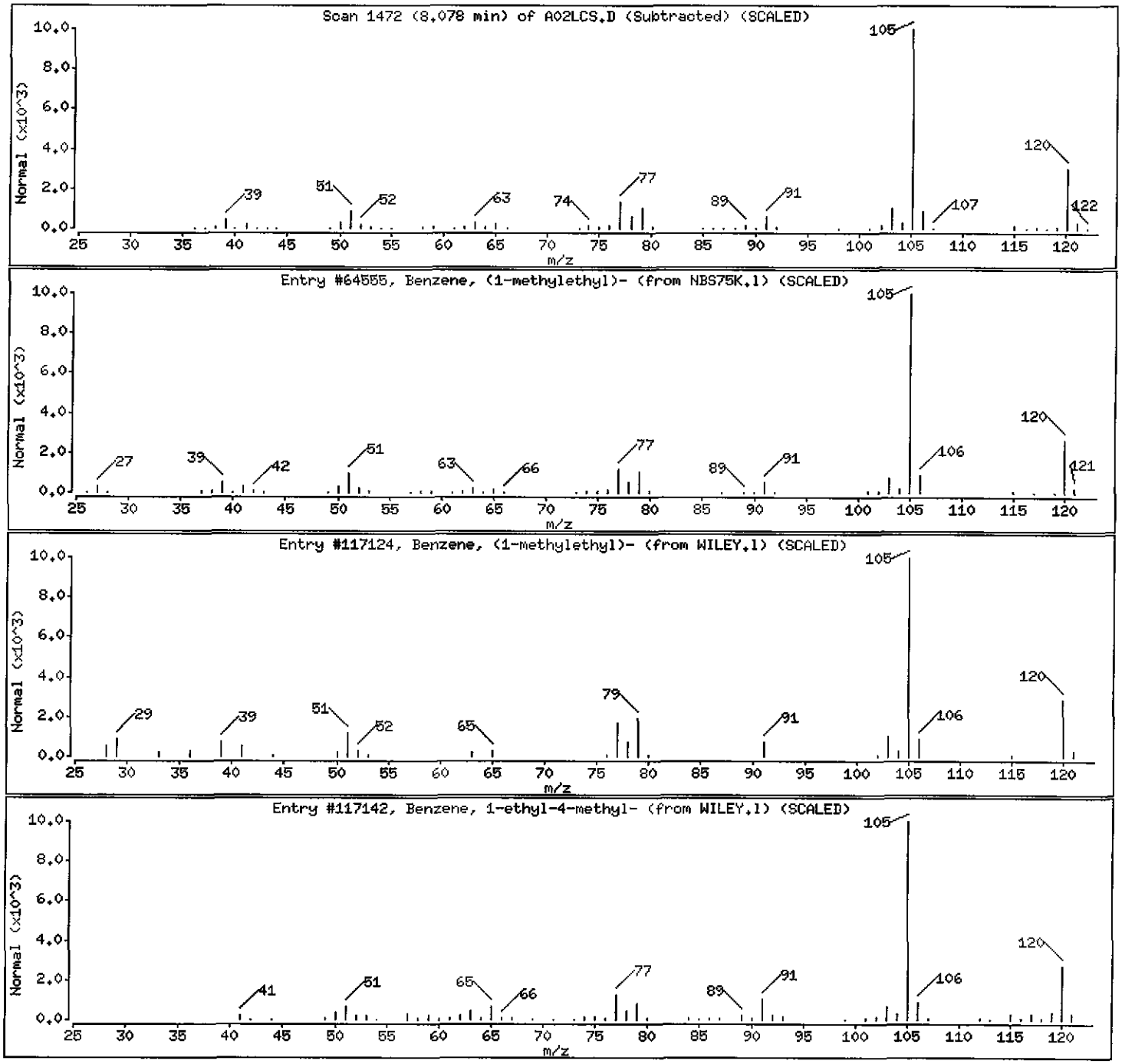
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117124	91	C9H12	120
Benzene, 1-ethyl-4-methyl-	622-96-8	WILEY.l	117142	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B02LCS.D
Lab Smp Id: 287393 Client Smp ID: lcs
Inj Date : 15-APR-2009 12:02
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.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	0.965	0.965	(0.228)	102414	48.2813	48.3
2 Chloromethane	50	1.054	1.054	(0.249)	103155	49.7829	49.8
3 Vinyl Chloride	62	1.096	1.096	(0.259)	106105	53.7853	53.8
4 Bromomethane	94	1.253	1.253	(0.296)	75367	56.9736	57.0
139 Methyl Acetate	43	1.865	1.865	(0.440)	35663	83.4746	83.5
5 Chloroethane	64	1.295	1.295	(0.305)	58884	52.1381	52.1
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	237639	58.3666	58.4
7 Diethyl ether	74	1.540	1.540	(0.363)	23088	44.5509	44.6
8 Acrolein	56	1.608	1.608	(0.379)	109754	1995.79	2000(R)
9 1,1-Dichloroethene	96	1.666	1.666	(0.393)	87343	48.4177	48.4
10 1,1,2trichlorotrifluoroethane	101	1.661	1.661	(0.392)	114193	53.6837	53.7
11 Acetone	43	1.687	1.687	(0.398)	99216	575.383	575(R)
12 Iodomethane	142	1.760	1.760	(0.415)	307140	95.6199	95.6
13 Carbon Disulfide	76	1.797	1.797	(0.424)	442467	87.1595	87.2
142 Acetonitrile	41	1.859	1.859	(0.439)	244910		
14 allyl chloride	41	1.859	1.859	(0.439)	244910	89.3952	89.4
15 Methylene Chloride	84	1.933	1.933	(0.456)	68973	45.8952	45.9
16 Acrylonitrile	53	2.084	2.084	(0.492)	171862	853.210	853
17 tert-Butyl Alcohol	59	1.540	1.540	(0.363)	36105	88.0472	88.0
18 1,2-Dichloroethene (trans)	96	2.105	2.105	(0.497)	97252	48.3100	48.3
19 Methyl-tert-butyl ether	73	2.105	2.105	(0.497)	208531	87.8665	87.9
20 n-Hexane	57	2.288	2.288	(0.540)	147905	51.6199	51.6
21 1,1-Dichloroethane	63	2.398	2.398	(0.566)	152912	43.4891	43.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.435	2.435	(0.574)	214461	134.890	135
	143 Chloroprene	53	2.477	2.477	(0.584)	131259		
	24 2,2-Dichloropropane	77	2.895	2.895	(0.683)	54018	42.3852	42.4
	25 1,2-Dichloroethene (cis)	96	2.890	2.890	(0.682)	85242	44.6290	44.6
	26 2-Butanone	43	2.916	2.916	(0.688)	109252	334.080	334
	144 Methacrylonitrile	41	3.130	3.130	(0.738)	15402		
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.362)	120351	52.3912	52.4
	29 Bromochloromethane	49	3.125	3.125	(0.737)	53152	44.6643	44.7
	30 Tetrahydrofuran	42	3.193	3.193	(0.753)	22913	24.1504	24.2
	31 Chloroform	83	3.214	3.214	(0.758)	131491	44.4563	44.4
$	32 Dibromofluoromethane (S)	113	3.392	3.392	(0.800)	79857	49.0054	49.0
	33 1,1,1-Trichloroethane	97	3.413	3.413	(0.805)	105301	43.4851	43.5
	35 Carbon Tetrachloride	117	3.612	3.612	(0.852)	94456	43.8134	43.8
	36 1,1-Dichloropropene	75	3.612	3.612	(0.852)	115550	45.5027	45.5
	37 Isobutyl alcohol	43	4.030	4.030	(0.951)	278657	192.193	192(Q)
	140 Cyclohexane	56	3.476	3.476	(0.820)	156945	47.3773	47.4
	38 Benzene	78	3.878	3.878	(0.915)	292854	46.9561	47.0
	39 1,2-Dichloroethane	62	3.904	3.904	(0.921)	68533	45.9468	45.9
	138 2,2,4-Trimethylpentane	57	3.993	3.993	(0.942)	330014	43.0741	43.1
	141 Methylcyclohexane	55	4.893	4.893	(1.154)	123418	44.4650	44.5
*	40 Fluorobenzene	96	4.239	4.239	(1.000)	328971	50.0000	
	41 Trichloroethene	95	4.678	4.678	(1.104)	91017	44.8318	44.8
	42 1,2-Dichloropropane	63	4.940	4.940	(1.165)	69214	46.5660	46.6
	43 Dibromomethane	93	5.076	5.076	(1.197)	28551	45.6874	45.7
	44 Methyl methacrylate	69	5.134	5.134	(1.211)	14024	40.0005	40.0
	45 Bromodichloromethane	83	5.269	5.269	(1.243)	75206	43.8359	43.8
	46 2-Chloroethyl vinyl ether	63	5.651	5.651	(0.768)	5011	51.2737	51.3
	145 1,4-Dioxane	88	5.134	5.134	(1.211)	4491		
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	63981	42.9743	43.0
	48 4-Methyl-2-Pentanone	43	5.986	5.986	(0.813)	121541	216.351	216
$	49 Toluene-d8	98	6.064	6.064	(0.824)	316173	51.6733	51.7
	50 Toluene	91	6.138	6.138	(0.834)	338804	45.1316	45.1
	51 trans-1,3-Dichloropropene	75	6.399	6.399	(0.869)	37367	41.3500	41.4
	52 Ethyl Methacrylate	69	6.525	6.525	(0.886)	29155	40.5017	40.5
	53 1,1,2-Trichloroethane	83	6.567	6.567	(0.892)	33109	48.7150	48.7
	54 Tetrachloroethene	166	6.682	6.682	(0.908)	108480	44.0547	44.0
	55 1,3-Dichloropropane	76	6.718	6.718	(0.913)	63786	47.2321	47.2
	56 2-Hexanone	43	6.823	6.823	(0.927)	121461	344.687	345
	57 Dibromochloromethane	129	6.907	6.907	(0.938)	45750	45.6768	45.7
	58 1,2-Dibromoethane	107	6.990	6.990	(0.950)	36233	45.7005	45.7
*	59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	200005	50.0000	
	60 Chlorobenzene	112	7.383	7.383	(1.003)	221400	49.2738	49.3
	61 1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	54304	43.4901	43.5
	62 Ethylbenzene	106	7.477	7.477	(1.016)	133651	48.4083	48.4
	63 m&p-Xylene	106	7.560	7.560	(1.027)	344794	95.7381	95.7
	65 o-Xylene	106	7.832	7.832	(1.064)	152224	48.1886	48.2
	66 Styrene	104	7.843	7.843	(1.065)	216723	46.1247	46.1
	67 Bromoform	173	7.958	7.958	(0.900)	17762	40.8481	40.8
	68 Isopropylbenzene	105	8.073	8.073	(1.097)	426504	49.3722	49.4
	69 trans-1,4-Dichloro-2-butene	53	8.298	8.298	(1.127)	5693	40.2067	40.2(Q)
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	85045	51.7326	51.7
	71 Bromobenzene	77	8.256	8.256	(1.121)	96874	47.1376	47.1
	72 1,1,2,2-Tetrachloroethane	83	8.266	8.266	(0.934)	35211	44.1733	44.2
	73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	27760	38.2720	38.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
74 n-Propylbenzene	91	8.329	8.329	(0.941)	501391	48.0857	48.1
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	253912	47.4870	47.5
76 4-Chlorotoluene	126	8.444	8.444	(0.954)	101880	46.4609	46.5
77 1,3,5-Trimethylbenzene	105	8.434	8.434	(0.953)	300556	41.3033	41.3
78 tert-Butylbenzene	119	8.622	8.622	(0.975)	377638	43.4432	43.4
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	279544	41.4805	41.5
80 sec-Butylbenzene	105	8.748	8.748	(0.989)	489121	47.5345	47.5
81 1,3-Dichlorobenzene	146	8.810	8.810	(0.996)	176674	47.6762	47.7
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	107120	50.0000	
83 p-Isopropyltoluene	119	8.826	8.826	(0.998)	386000	41.7028	41.7
84 1,4-Dichlorobenzene	146	8.857	8.857	(1.001)	155847	42.5055	42.5
85 1,2-Dichlorobenzene	146	9.061	9.061	(1.024)	141646	47.1167	47.1
86 n-Butylbenzene	91	9.046	9.046	(1.022)	317039	41.9074	41.9
87 1,2-Dibromo-3-chloropropane	155	9.469	9.469	(1.070)	2636	34.4496	34.4
88 1,2,4-Trichlorobenzene	180	9.883	9.883	(1.117)	73787	40.3859	40.4
89 Hexachlorobutadiene	225	9.961	9.961	(1.126)	72437	44.1124	44.1
90 Naphthalene	128	10.019	10.019	(1.132)	81673	33.1917	33.2
91 1,2,3-Trichlorobenzene	180	10.144	10.144	(1.147)	60229	41.3979	41.4
92 2,methyl-naphthalene	142	10.651	10.651	(1.204)	17022	42.0624	42.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B02LCS.D
Lab Smp Id: 287393
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	328971	-4.52
59 Chlorobenzene-d5	214804	107402	429608	200005	-6.89
82 1,4-Dichlorobenze	110737	55369	221474	107120	-3.27

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287393
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: lcs
Operator: ala
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	48.3	96.56	30-170
2 Chloromethane	50.0	49.8	99.57	35-147
3 Vinyl Chloride	50.0	53.8	107.57	55-141
4 Bromomethane	50.0	57.0	113.95	30-170
5 Chloroethane	50.0	52.1	104.28	56-153
6 Trichlorofluoromet	50.0	58.4	116.73	62-150
7 Diethyl ether	50.0	44.6	89.10	70-130
8 Acrolein	1000	2000	199.58*	30-170
9 1,1-Dichloroethene	50.0	48.4	96.84	63-128
10 1,1,2trichlorotrif	50.0	53.7	107.37	74-153
11 Acetone	250	575	230.15*	30-170
12 Iodomethane	100	95.6	95.62	41-170
13 Carbon Disulfide	100	87.2	87.16	58-152
14 allyl chloride	100	89.4	89.40	70-130
15 Methylene Chloride	50.0	45.9	91.79	32-164
16 Acrylonitrile	1000	853	85.32	67-136
17 tert-Butyl Alcohol	100	88.0	88.05	50-150
18 1,2-Dichloroethene	50.0	48.3	96.62	71-126
19 Methyl-tert-butyl	100	87.9	87.87	66-147
20 n-Hexane	50.0	51.6	103.24	69-157
21 1,1-Dichloroethane	50.0	43.5	86.98	67-133
23 Vinyl Acetate	200	135	67.44	41-145
24 2,2-Dichloropropan	50.0	42.4	84.77	52-144
25 1,2-Dichloroethene	50.0	44.6	89.26	74-128
26 2-Butanone	250	334	133.63	47-189
28 1,2-dichlorotriflu	50.0	52.4	104.78	54-162
29 Bromochloromethane	50.0	44.7	89.33	54-162
31 Chloroform	50.0	44.4	88.91	74-131
33 1,1,1-Trichloroeth	50.0	43.5	86.97	69-136
35 Carbon Tetrachlori	50.0	43.8	87.63	62-143
36 1,1-Dichloropropen	50.0	45.5	91.01	75-134
38 Benzene	50.0	47.0	93.91	78-127
39 1,2-Dichloroethane	50.0	45.9	91.89	69-139
41 Trichloroethene	50.0	44.8	89.66	74-130
42 1,2-Dichloropropan	50.0	46.6	93.13	76-129
43 Dibromomethane	50.0	45.7	91.37	73-133
44 Methyl methacrylat	50.0	40.0	80.00	70-130
45 Bromodichlorometha	50.0	43.8	87.67	69-133
47 cis-1,3-Dichloropr	50.0	43.0	85.95	54-123
48 4-Methyl-2-Pentano	250	216	86.54	61-135

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 Toluene	50.0	45.1	90.26	75-129
51 trans-1,3-Dichloro	50.0	41.4	82.70	54-123
52 Ethyl Methacrylate	50.0	40.5	81.00	59-138
53 1,1,2-Trichloroeth	50.0	48.7	97.43	77-132
54 Tetrachloroethene	50.0	44.0	88.11	60-119
55 1,3-Dichloropropan	50.0	47.2	94.46	74-126
56 2-Hexanone	250	345	137.87	57-167
57 Dibromochlorometha	50.0	45.7	91.35	66-131
58 1,2-Dibromoethane	50.0	45.7	91.40	75-126
60 Chlorobenzene	50.0	49.3	98.55	75-123
61 1,1,1,2-Tetrachlor	50.0	43.5	86.98	69-130
62 Ethylbenzene	50.0	48.4	96.82	81-126
63 m&p-Xylene	100	95.7	95.74	71-131
65 o-Xylene	50.0	48.2	96.38	72-127
66 Styrene	50.0	46.1	92.25	74-128
67 Bromoform	50.0	40.8	81.70	60-127
68 Isopropylbenzene	50.0	49.4	98.74	80-130
69 trans-1,4-Dichloro	50.0	40.2	80.41	50-150
71 Bromobenzene	50.0	47.1	94.28	62-139
72 1,1,2,2-Tetrachlor	50.0	44.2	88.35	69-130
73 1,2,3-Trichloropro	50.0	38.3	76.54	60-131
74 n-Propylbenzene	50.0	48.1	96.17	71-132
75 2-Chlorotoluene	50.0	47.5	94.97	72-128
76 4-Chlorotoluene	50.0	46.5	92.92	73-124
77 1,3,5-Trimethylben	50.0	41.3	82.61	74-130
78 tert-Butylbenzene	50.0	43.4	86.89	63-117
79 1,2,4-Trimethylben	50.0	41.5	82.96	73-130
80 sec-Butylbenzene	50.0	47.5	95.07	73-130
81 1,3-Dichlorobenzen	50.0	47.7	95.35	76-125
83 p-Isopropyltoluene	50.0	41.7	83.41	66-131
84 1,4-Dichlorobenzen	50.0	42.5	85.01	75-122
85 1,2-Dichlorobenzen	50.0	47.1	94.23	76-124
86 n-Butylbenzene	50.0	41.9	83.81	68-135
87 1,2-Dibromo-3-chlo	50.0	34.4	68.90	61-125
88 1,2,4-Trichloroben	50.0	40.4	80.77	60-130
89 Hexachlorobutadien	50.0	44.1	88.22	70-130
90 Naphthalene	50.0	33.2	66.38	61-135
91 1,2,3-Trichloroben	50.0	41.4	82.80	58-131
139 Methyl Acetate	50.0	83.5	166.95	30-170
140 Cyclohexane	50.0	47.4	94.75	63-134
141 Methylcyclohexane	50.0	44.5	88.93	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.0	98.01	80-123
$ 49 Toluene-d8	50.0	51.7	103.35	80-116
$ 70 4-Bromofluorobenze	50.0	51.7	103.47	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287393
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	48.3	
74-87-3	Chloromethane	49.8	
75-01-4	Vinyl Chloride	53.8	
74-83-9	Bromomethane	57.0	
79-20-9	Methyl Acetate	83.5	
75-00-3	Chloroethane	52.1	
75-69-4	Trichlorofluoromethane	58.4	
60-29-7	Diethyl ether	44.6	
107-02-8	Acrolein	2000	
75-35-4	1,1-Dichloroethene	48.4	
76-13-1	1,1,2trichlorotrifluoroethan	53.7	
67-64-1	Acetone	575	
	Iodomethane	95.6	
75-15-0	Carbon Disulfide	87.2	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	89.4	
75-09-2	Methylene Chloride	45.9	
107-13-1	Acrylonitrile	853	
75-65-0	tert-Butyl Alcohol	88.0	
156-60-5	1,2-Dichloroethene (trans)	48.3	
1634-04-4	Methyl-tert-butyl ether	87.9	
	n-Hexane	51.6	
75-34-3	1,1-Dichloroethane	43.5	
108-05-4	Vinyl Acetate	135	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	42.4	
156-59-2	1,2-Dichloroethene (cis)	44.6	
78-93-3	2-Butanone	334	
126-98-7	Methacrylonitrile	0.000	
354-23-4	1,2-dichlorotrifluoroethane	52.4	
74-97-5	Bromochloromethane	44.7	
	Tetrahydrofuran	24.2	
67-66-3	Chloroform	44.4	
71-55-6	1,1,1-Trichloroethane	43.5	
56-23-5	Carbon Tetrachloride	43.8	
563-58-6	1,1-Dichloropropene	45.5	
78-83-1	Isobutyl alcohol	192	
110-82-7	Cyclohexane	47.4	
71-43-2	Benzene	47.0	
107-06-2	1,2-Dichloroethane	45.9	
540-84-1	2,2,4-Trimethylpentane	43.1	
108-82-7	Methylcyclohexane	44.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287393
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	44.8	
78-87-5	1,2-Dichloropropane	46.6	
74-95-3	Dibromomethane	45.7	
80-62-6	Methyl methacrylate	40.0	
75-27-4	Bromodichloromethane	43.8	
110-75-8	2-Chloroethyl vinyl ether	51.3	
	1,4-Dioxane	0.000	
10061-01-5	cis-1,3-Dichloropropene	43.0	
108-10-1	4-Methyl-2-Pentanone	216	
108-88-3	Toluene	45.1	
10061-02-6	trans-1,3-Dichloropropene	41.4	
	Ethyl Methacrylate	40.5	
79-00-5	1,1,2-Trichloroethane	48.7	
127-18-4	Tetrachloroethene	44.0	
142-28-9	1,3-Dichloropropane	47.2	
591-78-6	2-Hexanone	345	
124-48-1	Dibromochloromethane	45.7	
106-93-4	1,2-Dibromoethane	45.7	
108-90-7	Chlorobenzene	49.3	
630-20-6	1,1,1,2-Tetrachloroethane	43.5	
100-41-4	Ethylbenzene	48.4	
7816-60-0	m&p-Xylene	95.7	
95-47-6	o-Xylene	48.2	
100-42-5	Styrene	46.1	
75-25-2	Bromoform	40.8	
98-82-8	Isopropylbenzene	49.4	
	trans-1,4-Dichloro-2-butene	40.2	
108-86-1	Bromobenzene	47.1	
79-34-5	1,1,2,2-Tetrachloroethane	44.2	
96-18-4	1,2,3-Trichloropropane	38.3	
103-65-1	n-Propylbenzene	48.1	
95-49-8	2-Chlorotoluene	47.5	
106-43-4	4-Chlorotoluene	46.5	
108-67-8	1,3,5-Trimethylbenzene	41.3	
98-06-6	tert-Butylbenzene	43.4	
95-63-6	1,2,4-Trimethylbenzene	41.5	
135-98-8	sec-Butylbenzene	47.5	
541-73-1	1,3-Dichlorobenzene	47.7	
99-87-6	p-Isopropyltoluene	41.7	
106-46-7	1,4-Dichlorobenzene	42.5	
95-50-1	1,2-Dichlorobenzene	47.1	
104-51-8	n-Butylbenzene	41.9	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

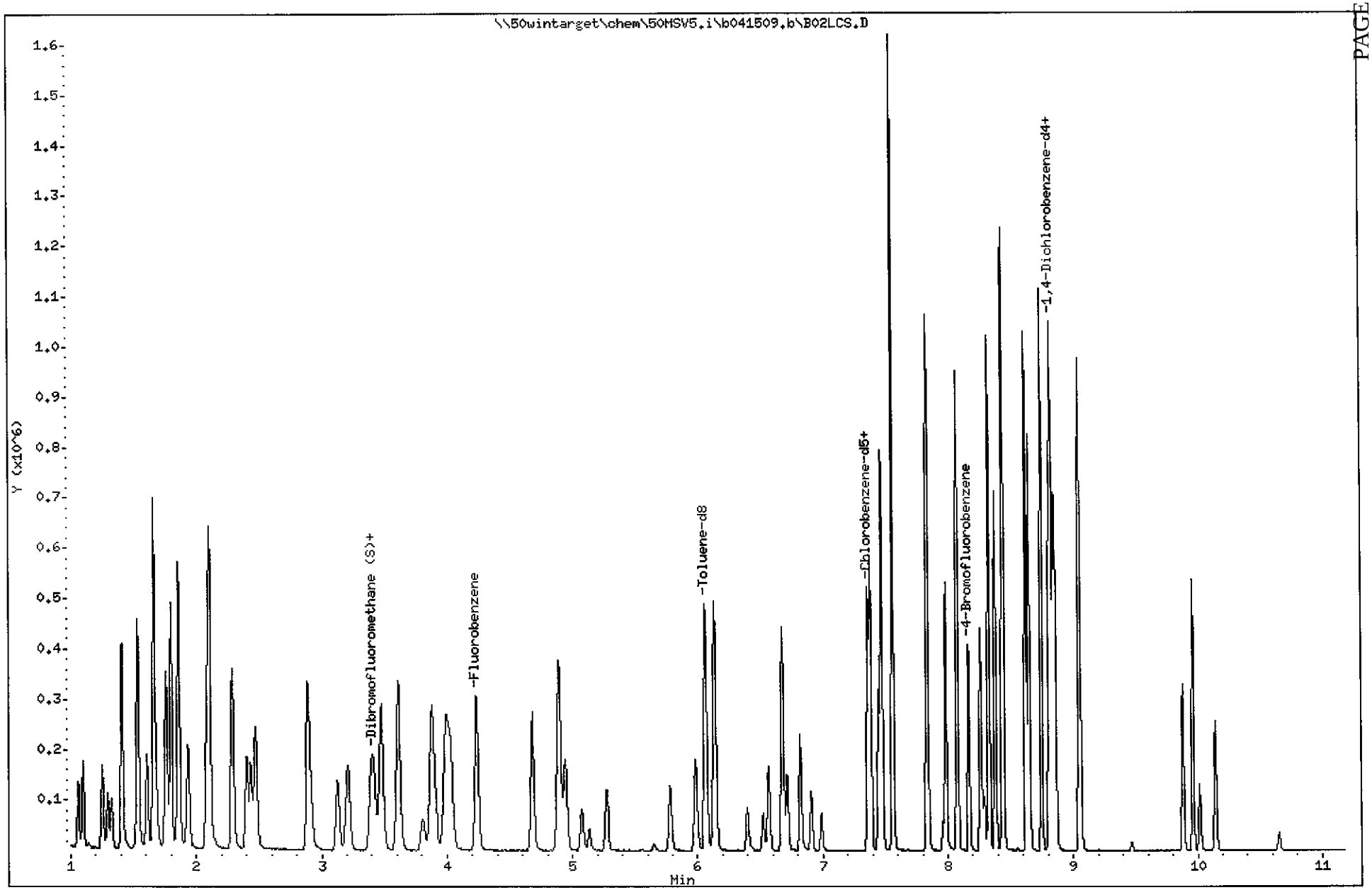
Client Name:
Lab Smp Id: 287393
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	34.4	
120-82-1	1,2,4-Trichlorobenzene	40.4	
87-68-3	Hexachlorobutadiene	44.1	
91-20-3	Naphthalene	33.2	
87-61-6	1,2,3-Trichlorobenzene	41.4	
	2,methyl-naphthalene	42.1	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	51.7	
460-00-4	4-Bromofluorobenzene	51.7	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B02LCS.D
Date : 15-APR-2009 12:02
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B02LCS.D

Date : 15-APR-2009 12:02

Client ID: lcs

Instrument: 50MSV5.i

Sample Info: lcs

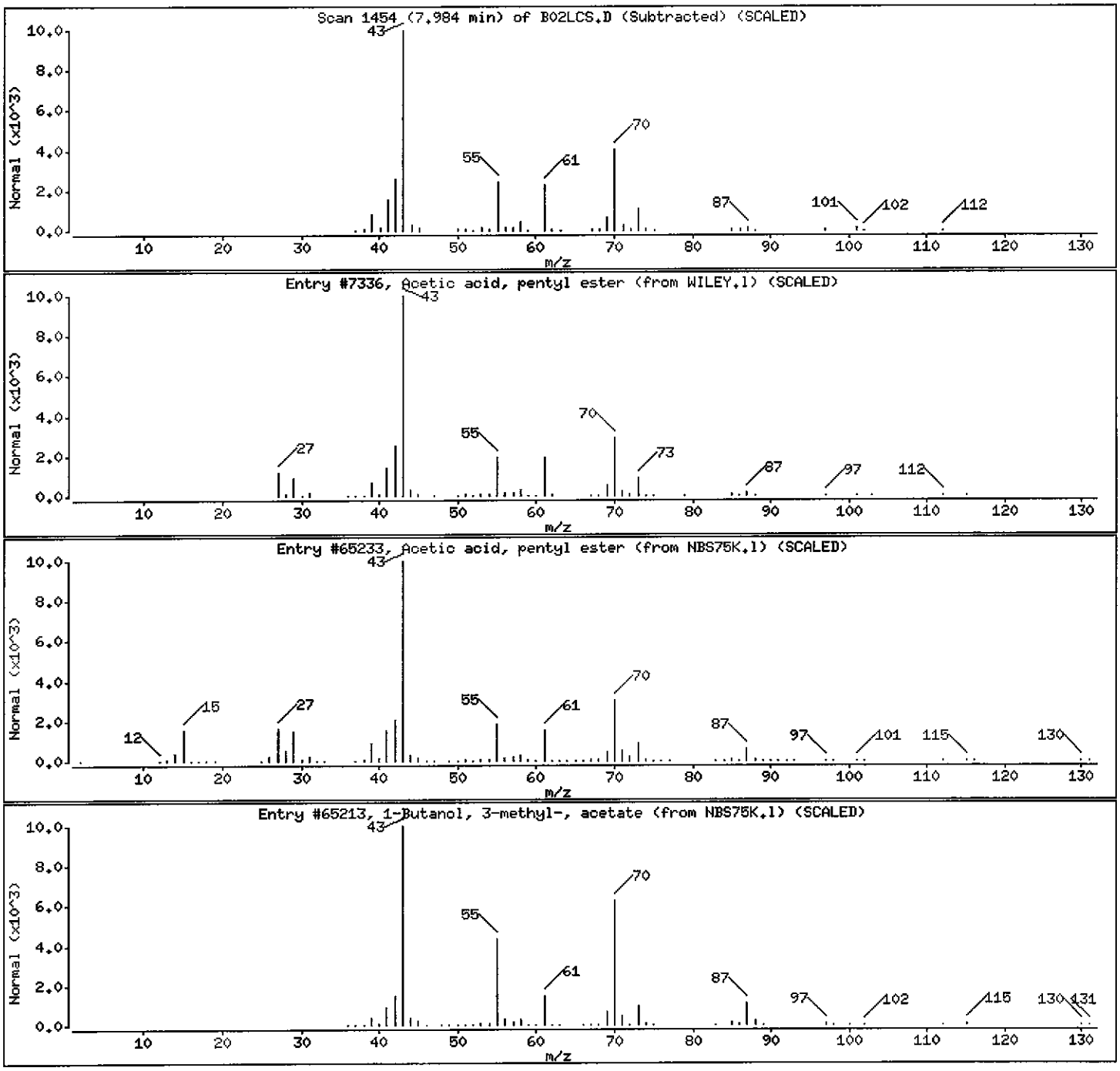
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H1402	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65233	83	C7H1402	130
1-Butanol, 3-methyl-, acetate	123-92-2	NBS75K.l	65213	64	C7H1402	130



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A02LCS.D
Lab Smp Id: 287803 Client Smp ID: lcs
Inj Date : 16-APR-2009 11:32
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 5 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	0.965	0.965	(0.228)	84269	45.0202	45.0
2 Chloromethane	50	1.054	1.059	(0.249)	102415	50.2304	50.2
3 Vinyl Chloride	62	1.096	1.101	(0.259)	96834	48.9775	49.0
4 Bromomethane	94	1.253	1.253	(0.296)	73362	53.3427	53.3
139 Methyl Acetate	43	2.100	2.100	(0.497)	39127	42.6353	42.6
5 Chloroethane	64	1.295	1.295	(0.306)	57441	52.8341	52.8
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	208502	52.4245	52.4
7 Diethyl ether	74	1.540	1.541	(0.364)	30220	44.0430	44.0
8 Acrolein	56	1.608	1.609	(0.380)	158829	1811.03	1810(R)
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	86415	48.0145	48.0
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	110731	56.0573	56.0
11 Acetone	43	1.687	1.687	(0.399)	131841	474.755	475(R)
12 Iodomethane	142	1.760	1.760	(0.416)	327280	100.617	101
13 Carbon Disulfide	76	1.802	1.802	(0.426)	433038	90.2295	90.2
142 Acetonitrile	41	1.859	1.860	(0.440)	253445		
14 allyl chloride	41	1.859	1.860	(0.440)	253445	90.2917	90.3
15 Methylene Chloride	84	1.933	1.933	(0.457)	82233	47.1285	47.1
16 Acrylonitrile	53	2.084	2.085	(0.493)	278697	805.955	806
17 tert-Butyl Alcohol	59	1.540	1.541	(0.364)	47203	89.5176	89.5
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	97288	49.4736	49.5
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	173682	87.3675	87.4
20 n-Hexane	57	2.283	2.289	(0.540)	140177	51.0650	51.1
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	147373	43.8795	43.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.429	2.430	(0.575)	275961	123.912	124
	143 Chloroprene	53	2.466	2.472	(0.583)	105019		
	24 2,2-Dichloropropane	77	2.885	2.885	(0.682)	56870	49.6799	49.7
	144 Methacrylonitrile	41	3.172	3.178	(0.750)	21658		
	25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	96237	47.4954	47.5
	26 2-Butanone	43	2.900	2.906	(0.686)	141469	314.967	315
	27 Propionitrile	54	2.968	2.974	(0.702)	4450	36.0038	36.0(Q)
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	119346	51.0185	51.0
	29 Bromochloromethane	49	3.125	3.120	(0.739)	68718	46.3481	46.3
	30 Tetrahydrofuran	42	3.177	3.183	(0.751)	36031	19.7527	19.8
	31 Chloroform	83	3.204	3.209	(0.758)	152285	45.7414	45.7
$	32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	98502	48.5733	48.6
	33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	114679	49.0931	49.1
	35 Carbon Tetrachloride	117	3.601	3.607	(0.852)	103731	49.2344	49.2
	36 1,1-Dichloropropene	75	3.606	3.607	(0.853)	117350	51.2292	51.2
	37 Isobutyl alcohol	43	2.900	2.906	(0.686)	141469	62.9942	63.0(Q)
	140 Cyclohexane	56	3.470	3.471	(0.821)	156282	52.4698	52.5
	38 Benzene	78	3.868	3.873	(0.915)	324353	48.5562	48.6
	39 1,2-Dichloroethane	62	3.899	3.899	(0.922)	87505	45.4305	45.4
	138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	338973	49.5137	49.5
	141 Methylcyclohexane	55	4.888	4.888	(1.156)	125298	47.9255	47.9
*	40 Fluorobenzene	96	4.229	4.229	(1.000)	374057	50.0000	
	41 Trichloroethene	95	4.668	4.674	(1.104)	95108	47.7191	47.7
	42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	84017	49.3841	49.4
	43 Dibromomethane	93	5.066	5.066	(1.198)	40330	47.0851	47.1
	44 Methyl methacrylate	69	5.123	5.123	(1.211)	22005	39.4573	39.4
	147 1,4-Dioxane	88	5.118	5.118	(1.210)	7515		
	45 Bromodichloromethane	83	5.264	5.265	(1.245)	96961	49.7606	49.8
	47 cis-1,3-Dichloropropene	75	5.777	5.777	(0.785)	86567	43.2078	43.2
	48 4-Methyl-2-Pentanone	43	5.970	5.971	(0.812)	183902	201.172	201
$	49 Toluene-d8	98	6.059	6.060	(0.824)	367059	50.5381	50.5
	50 Toluene	91	6.127	6.128	(0.833)	378309	46.6894	46.7
	51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	56228	42.1427	42.1
	52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	45910	41.1207	41.1
	53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	45327	49.5981	49.6
	54 Tetrachloroethene	166	6.671	6.671	(0.907)	114689	44.1602	44.2
	55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	86718	48.5693	48.6
	56 2-Hexanone	43	6.812	6.813	(0.926)	175395	298.522	298
	57 Dibromochloromethane	129	6.901	6.902	(0.938)	67529	46.5692	46.6
	58 1,2-Dibromoethane	107	6.980	6.980	(0.949)	53013	45.4072	45.4
*	59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	252486	50.0000	
	60 Chlorobenzene	112	7.377	7.378	(1.003)	264532	50.2262	50.2
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	73745	46.9371	46.9
	62 Ethylbenzene	106	7.466	7.466	(1.015)	145029	51.2137	51.2
	63 m&p-Xylene	106	7.555	7.555	(1.027)	374192	100.083	100
	65 o-Xylene	106	7.827	7.827	(1.064)	172172	50.8729	50.9
	66 Styrene	104	7.838	7.838	(1.065)	253849	45.9506	46.0
	67 Bromoform	173	7.953	7.953	(0.899)	28948	44.1105	44.1
	68 Isopropylbenzene	105	8.429	8.429	(1.146)	326784	43.4687	43.5
	69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	8457	38.7448	38.7(Q)
$	70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	106092	49.2111	49.2
	71 Bromobenzene	77	8.251	8.251	(1.122)	121732	47.2623	47.3
	72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	52640	45.4269	45.4
	73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	43275	43.7886	43.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.324	8.324	(0.941)	523169	52.8344	52.8
75 2-Chlorotoluene	91	8.371	8.371	(0.947)	287362	50.7805	50.8
76 4-Chlorotoluene	126	8.439	8.439	(0.954)	117231	50.9497	50.9
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	326784	45.6049	45.6
78 tert-Butylbenzene	119	8.617	8.617	(0.975)	398866	49.1331	49.1
79 1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	318999	46.8786	46.9
80 sec-Butylbenzene	105	8.742	8.743	(0.989)	506205	54.8131	54.8
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	214208	51.4079	51.4
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	135904	50.0000	
83 p-Isopropyltoluene	119	8.617	8.617	(0.975)	398866	49.1331	49.1
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	194109	44.5395	44.5
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	182211	49.8492	49.8
86 n-Butylbenzene	91	9.041	9.041	(1.022)	340750	45.2306	45.2
87 1,2-Dibromo-3-chloropropane	155	9.464	9.459	(1.070)	5458	43.4529	43.4
88 1,2,4-Trichlorobenzene	180	9.877	9.872	(1.117)	106760	46.0628	46.1
89 Hexachlorobutadiene	225	9.956	9.951	(1.126)	78302	48.5964	48.6
90 Naphthalene	128	10.013	10.008	(1.132)	137128	37.1037	37.1
91 1,2,3-Trichlorobenzene	180	10.139	10.134	(1.147)	90463	46.8836	46.9
92 2,methyl-naphthalene	142	10.646	10.641	(1.204)	59013	36.9332	36.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A02LCS.D
Lab Smp Id: 287803
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	374057	0.10
59 Chlorobenzene-d5	255255	127628	510510	252486	-1.08
82 1,4-Dichlorobenze	136223	68112	272446	135904	-0.23

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287803
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: lcs
Operator: ala
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	45.0	90.04	30-170
2 Chloromethane	50.0	50.2	100.46	35-147
3 Vinyl Chloride	50.0	49.0	97.96	55-141
4 Bromomethane	50.0	53.3	106.69	30-170
5 Chloroethane	50.0	52.8	105.67	56-153
6 Trichlorofluoromet	50.0	52.4	104.85	62-150
7 Diethyl ether	50.0	44.0	88.09	70-130
8 Acrolein	1000	1810	181.10*	30-170
9 1,1-Dichloroethene	50.0	48.0	96.03	63-128
10 1,1,2trichlorotrif	50.0	56.0	112.11	74-153
11 Acetone	250	475	189.90*	30-170
12 Iodomethane	100	101	100.62	41-170
13 Carbon Disulfide	100	90.2	90.23	58-152
14 allyl chloride	100	90.3	90.29	70-130
15 Methylene Chloride	50.0	47.1	94.26	32-164
16 Acrylonitrile	1000	806	80.60	67-136
17 tert-Butyl Alcohol	100	89.5	89.52	50-150
18 1,2-Dichloroethene	50.0	49.5	98.95	71-126
19 Methyl-tert-butyl	100	87.4	87.37	66-147
20 n-Hexane	50.0	51.1	102.13	69-157
21 1,1-Dichloroethane	50.0	43.9	87.76	67-133
23 Vinyl Acetate	200	124	61.96	41-145
24 2,2-Dichloropropan	50.0	49.7	99.36	52-144
25 1,2-Dichloroethene	50.0	47.5	94.99	74-128
26 2-Butanone	250	315	125.99	47-189
28 1,2-dichlorotriflu	50.0	51.0	102.04	54-162
29 Bromochloromethane	50.0	46.3	92.70	54-162
31 Chloroform	50.0	45.7	91.48	74-131
33 1,1,1-Trichloroeth	50.0	49.1	98.19	69-136
35 Carbon Tetrachlori	50.0	49.2	98.47	62-143
36 1,1-Dichloropropen	50.0	51.2	102.46	75-134
38 Benzene	50.0	48.6	97.11	78-127
39 1,2-Dichloroethane	50.0	45.4	90.86	69-139
41 Trichloroethene	50.0	47.7	95.44	74-130
42 1,2-Dichloropropan	50.0	49.4	98.77	76-129
43 Dibromomethane	50.0	47.1	94.17	73-133
44 Methyl methacrylat	50.0	39.4	78.91	70-130
45 Bromodichlorometha	50.0	49.8	99.52	69-133
47 cis-1,3-Dichloropr	50.0	43.2	86.42	54-123
48 4-Methyl-2-Pentano	250	201	80.47	61-135

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 Toluene	50.0	46.7	93.38	75-129
51 trans-1,3-Dichloro	50.0	42.1	84.29	54-123
52 Ethyl Methacrylate	50.0	41.1	82.24	59-138
53 1,1,2-Trichloroeth	50.0	49.6	99.20	77-132
54 Tetrachloroethene	50.0	44.2	88.32	60-119
55 1,3-Dichloropropan	50.0	48.6	97.14	74-126
56 2-Hexanone	250	298	119.41	57-167
57 Dibromochlorometha	50.0	46.6	93.14	66-131
58 1,2-Dibromoethane	50.0	45.4	90.81	75-126
60 Chlorobenzene	50.0	50.2	100.45	75-123
61 1,1,1,2-Tetrachlor	50.0	46.9	93.87	69-130
62 Ethylbenzene	50.0	51.2	102.43	81-126
63 m&p-Xylene	100	100	100.08	71-131
65 o-Xylene	50.0	50.9	101.75	72-127
66 Styrene	50.0	46.0	91.90	74-128
67 Bromoform	50.0	44.1	88.22	60-127
68 Isopropylbenzene	50.0	43.5	86.94	80-130
69 trans-1,4-Dichloro	50.0	38.7	77.49	50-150
71 Bromobenzene	50.0	47.3	94.52	62-139
72 1,1,2,2-Tetrachlor	50.0	45.4	90.85	69-130
73 1,2,3-Trichloropro	50.0	43.8	87.58	60-131
74 n-Propylbenzene	50.0	52.8	105.67	71-132
75 2-Chlorotoluene	50.0	50.8	101.56	72-128
76 4-Chlorotoluene	50.0	50.9	101.90	73-124
77 1,3,5-Trimethylben	50.0	45.6	91.21	74-130
78 tert-Butylbenzene	50.0	49.1	98.27	63-117
79 1,2,4-Trimethylben	50.0	46.9	93.76	73-130
80 sec-Butylbenzene	50.0	54.8	109.63	73-130
81 1,3-Dichlorobenzen	50.0	51.4	102.82	76-125
83 p-Isopropyltoluene	50.0	49.1	98.27	66-131
84 1,4-Dichlorobenzen	50.0	44.5	89.08	75-122
85 1,2-Dichlorobenzen	50.0	49.8	99.70	76-124
86 n-Butylbenzene	50.0	45.2	90.46	68-135
87 1,2-Dibromo-3-chlo	50.0	43.4	86.91	61-125
88 1,2,4-Trichloroben	50.0	46.1	92.13	60-130
89 Hexachlorobutadien	50.0	48.6	97.19	70-130
90 Naphthalene	50.0	37.1	74.21	61-135
91 1,2,3-Trichloroben	50.0	46.9	93.77	58-131
139 Methyl Acetate	50.0	42.6	85.27	30-170
140 Cyclohexane	50.0	52.5	104.94	63-134
141 Methylcyclohexane	50.0	47.9	95.85	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	48.6	97.15	80-123
$ 49 Toluene-d8	50.0	50.5	101.08	80-116
$ 70 4-Bromofluorobenze	50.0	49.2	98.42	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287803
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	45.0	
74-87-3	Chloromethane	50.2	
75-01-4	Vinyl Chloride	49.0	
74-83-9	Bromomethane	53.3	
79-20-9	Methyl Acetate	42.6	
75-00-3	Chloroethane	52.8	
75-69-4	Trichlorofluoromethane	52.4	
60-29-7	Diethyl ether	44.0	
107-02-8	Acrolein	1810	
75-35-4	1,1-Dichloroethene	48.0	
76-13-1	1,1,2trichlorotrifluoroethan	56.0	
67-64-1	Acetone	475	
	Iodomethane	101	
75-15-0	Carbon Disulfide	90.2	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	90.3	
75-09-2	Methylene Chloride	47.1	
107-13-1	Acrylonitrile	806	
75-65-0	tert-Butyl Alcohol	89.5	
156-60-5	1,2-Dichloroethene (trans)	49.5	
1634-04-4	Methyl-tert-butyl ether	87.4	
	n-Hexane	51.1	
75-34-3	1,1-Dichloroethane	43.9	
108-05-4	Vinyl Acetate	124	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	49.7	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	47.5	
78-93-3	2-Butanone	315	
107-12-0	Propionitrile	36.0	
354-23-4	1,2-dichlorotrifluoroethane	51.0	
74-97-5	Bromochloromethane	46.3	
	Tetrahydrofuran	19.8	
67-66-3	Chloroform	45.7	
71-55-6	1,1,1-Trichloroethane	49.1	
56-23-5	Carbon Tetrachloride	49.2	
563-58-6	1,1-Dichloropropene	51.2	
78-83-1	Isobutyl alcohol	63.0	
110-82-7	Cyclohexane	52.5	
71-43-2	Benzene	48.6	
107-06-2	1,2-Dichloroethane	45.4	
540-84-1	2,2,4-Trimethylpentane	49.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287803
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	47.9	
79-01-6	Trichloroethene	47.7	
78-87-5	1,2-Dichloropropane	49.4	
74-95-3	Dibromomethane	47.1	
80-62-6	Methyl methacrylate	39.4	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	49.8	
10061-01-5	cis-1,3-Dichloropropene	43.2	
108-10-1	4-Methyl-2-Pentanone	201	
108-88-3	Toluene	46.7	
10061-02-6	trans-1,3-Dichloropropene	42.1	
	Ethyl Methacrylate	41.1	
79-00-5	1,1,2-Trichloroethane	49.6	
127-18-4	Tetrachloroethene	44.2	
142-28-9	1,3-Dichloropropane	48.6	
591-78-6	2-Hexanone	298	
124-48-1	Dibromochloromethane	46.6	
106-93-4	1,2-Dibromoethane	45.4	
108-90-7	Chlorobenzene	50.2	
630-20-6	1,1,1,2-Tetrachloroethane	46.9	
100-41-4	Ethylbenzene	51.2	
7816-60-0	m&p-Xylene	100	
95-47-6	o-Xylene	50.9	
100-42-5	Styrene	46.0	
75-25-2	Bromoform	44.1	
98-82-8	Isopropylbenzene	43.5	
	trans-1,4-Dichloro-2-butene	38.7	
108-86-1	Bromobenzene	47.3	
79-34-5	1,1,2,2-Tetrachloroethane	45.4	
96-18-4	1,2,3-Trichloropropane	43.8	
103-65-1	n-Propylbenzene	52.8	
95-49-8	2-Chlorotoluene	50.8	
106-43-4	4-Chlorotoluene	50.9	
108-67-8	1,3,5-Trimethylbenzene	45.6	
98-06-6	tert-Butylbenzene	49.1	
95-63-6	1,2,4-Trimethylbenzene	46.9	
135-98-8	sec-Butylbenzene	54.8	
541-73-1	1,3-Dichlorobenzene	51.4	
99-87-6	p-Isopropyltoluene	49.1	
106-46-7	1,4-Dichlorobenzene	44.5	
95-50-1	1,2-Dichlorobenzene	49.8	
104-51-8	n-Butylbenzene	45.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

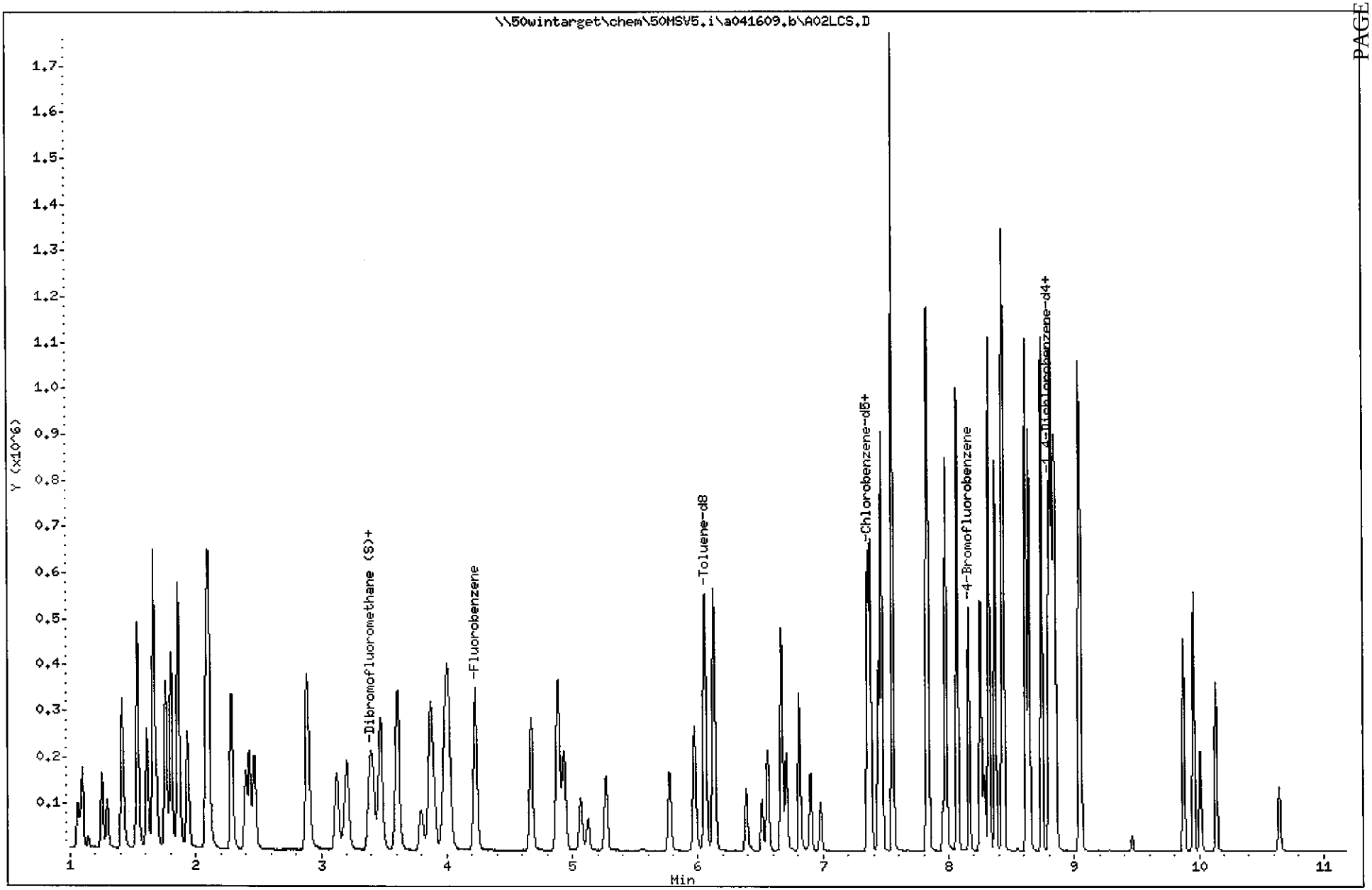
Client Name:
Lab Smp Id: 287803
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	43.4	
120-82-1	1,2,4-Trichlorobenzene	46.1	
87-68-3	Hexachlorobutadiene	48.6	
91-20-3	Naphthalene	37.1	
87-61-6	1,2,3-Trichlorobenzene	46.9	
	2,methyl-naphthalene	36.9	
1868-53-7	Dibromofluoromethane (S)	48.6	
2037-26-5	Toluene-d8	50.5	
460-00-4	4-Bromofluorobenzene	49.2	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A02LCS.D
Date : 16-APR-2009 11:32
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A02LCS.D

Date : 16-APR-2009 11:32

Client ID: lcs

Instrument: 50MSV5.i

Sample Info: lcs

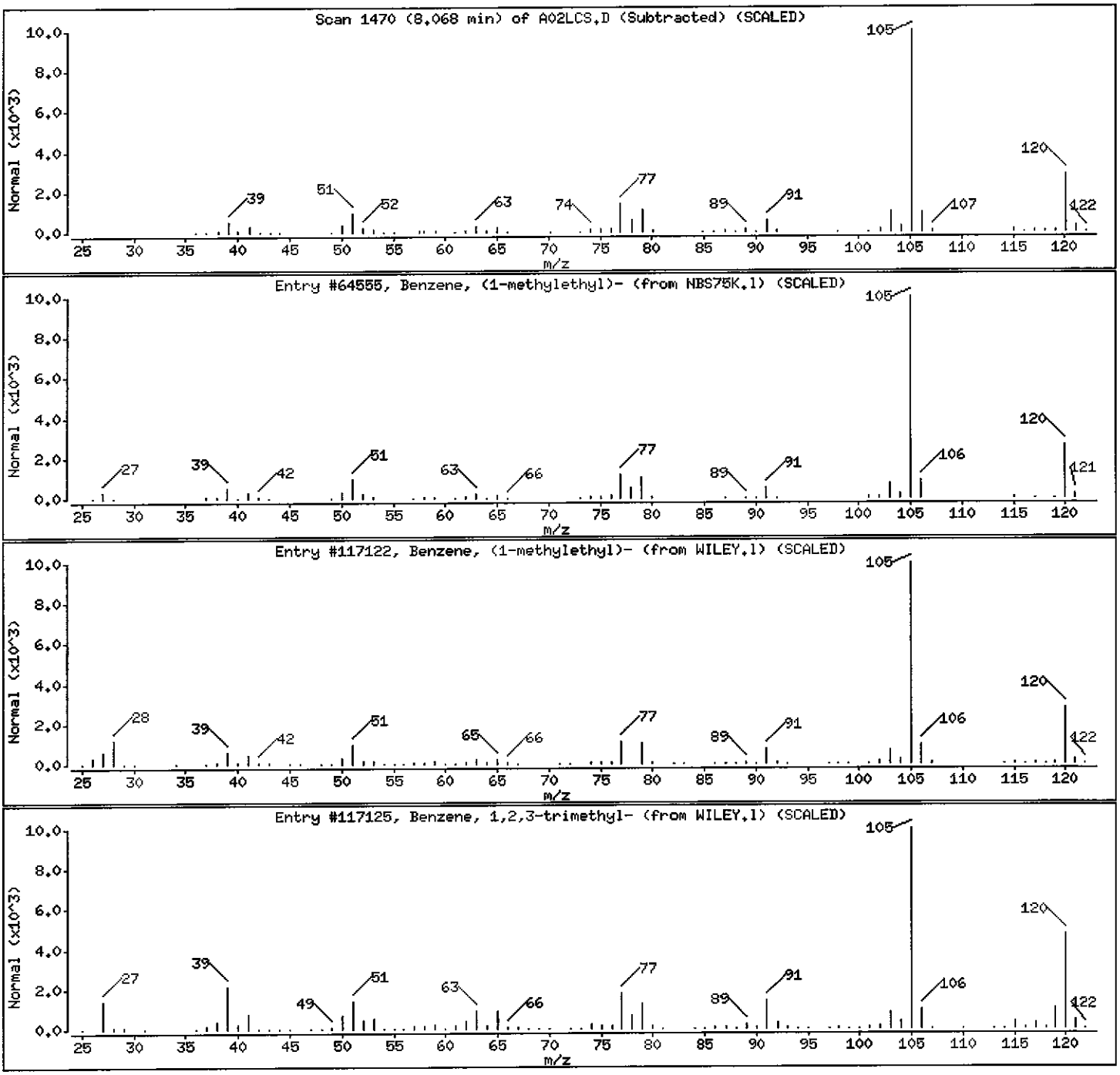
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117122	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C03LCS.D
Lab Smp Id: 287807 Client Smp ID: lcs
Inj Date : 16-APR-2009 22:55
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 45 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	0.965	0.965	(0.228)	72027	40.3695	40.4
2 Chloromethane	50	1.059	1.059	(0.251)	92005	47.5766	47.6
3 Vinyl Chloride	62	1.101	1.101	(0.260)	87106	46.5139	46.5
4 Bromomethane	94	1.253	1.253	(0.296)	68253	52.3951	52.4
139 Methyl Acetate	43	2.100	2.100	(0.497)	34663	40.4134	40.4
5 Chloroethane	64	1.295	1.295	(0.306)	51688	49.9503	50.0
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	184578	48.9970	49.0
7 Diethyl ether	74	1.540	1.541	(0.364)	29363	45.2896	45.3
8 Acrolein	56	1.608	1.609	(0.380)	155615	1873.32	1870(R)
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	76710	44.9988	45.0
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	97466	51.5842	51.6
11 Acetone	43	1.687	1.687	(0.399)	72728	249.478	249
12 Iodomethane	142	1.760	1.760	(0.416)	302594	98.0498	98.0
13 Carbon Disulfide	76	1.802	1.802	(0.426)	385666	83.9742	84.0
142 Acetonitrile	41	1.860	1.860	(0.440)	233595		
14 allyl chloride	41	1.860	1.860	(0.440)	233595	87.8603	87.9
15 Methylene Chloride	84	1.933	1.933	(0.457)	80135	48.7792	48.8
16 Acrylonitrile	53	2.084	2.085	(0.493)	273410	834.753	835
17 tert-Butyl Alcohol	59	1.540	1.541	(0.364)	44925	89.9482	89.9
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	87991	47.2409	47.2
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	154661	83.1172	83.1
20 n-Hexane	57	2.288	2.289	(0.541)	127775	49.0099	49.0
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	135989	42.7477	42.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
23 Vinyl Acetate	43	2.430	2.430	(0.575)	266667	126.175	126
143 Chloroprene	53	2.471	2.472	(0.584)	94733		
24 2,2-Dichloropropane	77	2.885	2.885	(0.682)	43320	41.5448	41.5
144 Methacrylonitrile	41	3.183	3.178	(0.753)	20912		
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	91562	47.7079	47.7
26 2-Butanone	43	2.906	2.906	(0.687)	94138	221.276	221
28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	107626	48.5738	48.6
29 Bromochloromethane	49	3.120	3.120	(0.738)	66017	47.0741	47.1
30 Tetrahydrofuran	42	3.178	3.183	(0.751)	33213	16.3217	16.3
31 Chloroform	83	3.209	3.209	(0.759)	143550	45.5219	45.5
$ 32 Dibromofluoromethane (S)	113	3.382	3.387	(0.800)	94173	49.0280	49.0
33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	98724	45.1051	45.1
35 Carbon Tetrachloride	117	3.606	3.607	(0.853)	88796	45.0709	45.1
36 1,1-Dichloropropene	75	3.606	3.607	(0.853)	103725	47.8061	47.8
37 Isobutyl alcohol	43	2.906	2.906	(0.687)	94138	44.2558	44.2
140 Cyclohexane	56	3.470	3.471	(0.821)	134934	47.8286	47.8
38 Benzene	78	3.868	3.873	(0.915)	304481	48.1230	48.1
39 1,2-Dichloroethane	62	3.899	3.899	(0.922)	85927	47.0987	47.1
138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	296237	45.6841	45.7
141 Methylcyclohexane	55	4.888	4.888	(1.156)	109789	44.2102	44.2
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	354301	50.0000	
41 Trichloroethene	95	4.673	4.674	(1.105)	89153	47.1919	47.2
42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	78990	49.0182	49.0
43 Dibromomethane	93	5.066	5.066	(1.198)	38819	47.8967	47.9
44 Methyl methacrylate	69	5.123	5.123	(1.211)	22231	41.7836	41.8
147 1,4-Dioxane	88	5.118	5.118	(1.210)	7033		
45 Bromodichloromethane	83	5.264	5.265	(1.245)	92604	50.1746	50.2
47 cis-1,3-Dichloropropene	75	5.777	5.777	(0.785)	78678	41.7380	41.7
48 4-Methyl-2-Pentanone	43	5.970	5.971	(0.812)	173970	201.200	201
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	348241	50.6917	50.7
50 Toluene	91	6.127	6.128	(0.833)	358065	46.7205	46.7
51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	49161	39.8009	39.8
52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	43515	41.1975	41.2
53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	44013	50.9170	50.9
54 Tetrachloroethene	166	6.671	6.671	(0.907)	104747	42.6407	42.6
55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	85807	50.8100	50.8
56 2-Hexanone	43	6.813	6.813	(0.926)	113101	204.496	204
57 Dibromochloromethane	129	6.901	6.902	(0.938)	64885	47.2608	47.3
58 1,2-Dibromoethane	107	6.985	6.980	(0.950)	51413	46.5441	46.5
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	238816	50.0000	
60 Chlorobenzene	112	7.377	7.378	(1.003)	250195	50.2233	50.2
61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	70085	47.1334	47.1
62 Ethylbenzene	106	7.466	7.466	(1.015)	132892	49.6140	49.6
63 m&p-Xylene	106	7.555	7.555	(1.027)	345062	97.5744	97.6
65 o-Xylene	106	7.827	7.827	(1.064)	160867	50.2534	50.2
66 Styrene	104	7.838	7.838	(1.065)	242347	46.3512	46.4
67 Bromoform	173	7.953	7.953	(0.899)	27055	43.1831	43.2
68 Isopropylbenzene	105	8.429	8.429	(1.146)	298287	42.0773	42.1
69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	8040	38.9067	38.9
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	97800	47.9616	48.0
71 Bromobenzene	77	8.251	8.251	(1.122)	115960	47.5984	47.6
72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	51493	46.3970	46.4
73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	41433	43.7739	43.8
74 n-Propylbenzene	91	8.324	8.324	(0.941)	471530	49.7198	49.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
75 2-Chlorotoluene	91	8.371	8.371	(0.947)	267441	49.3447	49.3
76 4-Chlorotoluene	126	8.439	8.439	(0.954)	106340	48.2548	48.2
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	298287	43.4640	43.5
78 tert-Butylbenzene	119	8.617	8.617	(0.975)	366596	47.1498	47.1
79 1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	291926	44.7923	44.8
80 sec-Butylbenzene	105	8.743	8.743	(0.989)	456076	51.5632	51.6
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	196661	49.2785	49.3
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	130163	50.0000	
83 p-Isopropyltoluene	119	8.617	8.617	(0.975)	366596	47.1498	47.1
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	178800	42.8363	42.8
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	173140	49.4567	49.4
86 n-Butylbenzene	91	9.041	9.041	(1.022)	294989	40.8994	40.9
87 1,2-Dibromo-3-chloropropane	155	9.464	9.459	(1.070)	4475	38.3273	38.3
88 1,2,4-Trichlorobenzene	180	9.872	9.872	(1.117)	88589	40.0583	40.0
89 Hexachlorobutadiene	225	9.951	9.951	(1.125)	66291	43.0882	43.1
90 Naphthalene	128	10.008	10.008	(1.132)	127584	36.0859	36.1
91 1,2,3-Trichlorobenzene	180	10.134	10.134	(1.146)	80247	43.4087	43.4
92 2,methyl-naphthalene	142	10.641	10.641	(1.203)	47982	32.8747	32.9

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C03LCS.D
Lab Smp Id: 287807
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	354301	-5.19
59 Chlorobenzene-d5	255255	127628	510510	238816	-6.44
82 1,4-Dichlorobenze	136223	68112	272446	130163	-4.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287807
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: lcs
Operator: ala
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	40.4	80.74	30-170
2 Chloromethane	50.0	47.6	95.15	35-147
3 Vinyl Chloride	50.0	46.5	93.03	55-141
4 Bromomethane	50.0	52.4	104.79	30-170
5 Chloroethane	50.0	50.0	99.90	56-153
6 Trichlorofluoromet	50.0	49.0	97.99	62-150
7 Diethyl ether	50.0	45.3	90.58	70-130
8 Acrolein	1000	1870	187.33*	30-170
9 1,1-Dichloroethene	50.0	45.0	90.00	63-128
10 1,1,2trichlorotrif	50.0	51.6	103.17	74-153
11 Acetone	250	249	99.79	30-170
12 Iodomethane	100	98.0	98.05	41-170
13 Carbon Disulfide	100	84.0	83.97	58-152
14 allyl chloride	100	87.9	87.86	70-130
15 Methylene Chloride	50.0	48.8	97.56	32-164
16 Acrylonitrile	1000	835	83.48	67-136
17 tert-Butyl Alcohol	100	89.9	89.95	50-150
18 1,2-Dichloroethene	50.0	47.2	94.48	71-126
19 Methyl-tert-butyl	100	83.1	83.12	66-147
20 n-Hexane	50.0	49.0	98.02	69-157
21 1,1-Dichloroethane	50.0	42.7	85.50	67-133
23 Vinyl Acetate	200	126	63.09	41-145
24 2,2-Dichloropropan	50.0	41.5	83.09	52-144
25 1,2-Dichloroethene	50.0	47.7	95.42	74-128
26 2-Butanone	250	221	88.51	47-189
28 1,2-dichlorotriflu	50.0	48.6	97.15	54-162
29 Bromochloromethane	50.0	47.1	94.15	54-162
31 Chloroform	50.0	45.5	91.04	74-131
33 1,1,1-Trichloroeth	50.0	45.1	90.21	69-136
35 Carbon Tetrachlori	50.0	45.1	90.14	62-143
36 1,1-Dichloropropen	50.0	47.8	95.61	75-134
38 Benzene	50.0	48.1	96.25	78-127
39 1,2-Dichloroethane	50.0	47.1	94.20	69-139
41 Trichloroethene	50.0	47.2	94.38	74-130
42 1,2-Dichloropropan	50.0	49.0	98.04	76-129
43 Dibromomethane	50.0	47.9	95.79	73-133
44 Methyl methacrylat	50.0	41.8	83.57	70-130
45 Bromodichlorometha	50.0	50.2	100.35	69-133
47 cis-1,3-Dichloropr	50.0	41.7	83.48	54-123
48 4-Methyl-2-Pentano	250	201	80.48	61-135

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 Toluene	50.0	46.7	93.44	75-129
51 trans-1,3-Dichloro	50.0	39.8	79.60	54-123
52 Ethyl Methacrylate	50.0	41.2	82.40	59-138
53 1,1,2-Trichloroeth	50.0	50.9	101.83	77-132
54 Tetrachloroethene	50.0	42.6	85.28	60-119
55 1,3-Dichloropropan	50.0	50.8	101.62	74-126
56 2-Hexanone	250	204	81.80	57-167
57 Dibromochlorometha	50.0	47.3	94.52	66-131
58 1,2-Dibromoethane	50.0	46.5	93.09	75-126
60 Chlorobenzene	50.0	50.2	100.45	75-123
61 1,1,1,2-Tetrachlor	50.0	47.1	94.27	69-130
62 Ethylbenzene	50.0	49.6	99.23	81-126
63 m&p-Xylene	100	97.6	97.57	71-131
65 o-Xylene	50.0	50.2	100.51	72-127
66 Styrene	50.0	46.4	92.70	74-128
67 Bromoform	50.0	43.2	86.37	60-127
68 Isopropylbenzene	50.0	42.1	84.15	80-130
69 trans-1,4-Dichloro	50.0	38.9	77.81	50-150
71 Bromobenzene	50.0	47.6	95.20	62-139
72 1,1,2,2-Tetrachlor	50.0	46.4	92.79	69-130
73 1,2,3-Trichloropro	50.0	43.8	87.55	60-131
74 n-Propylbenzene	50.0	49.7	99.44	71-132
75 2-Chlorotoluene	50.0	49.3	98.69	72-128
76 4-Chlorotoluene	50.0	48.2	96.51	73-124
77 1,3,5-Trimethylben	50.0	43.5	86.93	74-130
78 tert-Butylbenzene	50.0	47.1	94.30	63-117
79 1,2,4-Trimethylben	50.0	44.8	89.58	73-130
80 sec-Butylbenzene	50.0	51.6	103.13	73-130
81 1,3-Dichlorobenzen	50.0	49.3	98.56	76-125
83 p-Isopropyltoluene	50.0	47.1	94.30	66-131
84 1,4-Dichlorobenzen	50.0	42.8	85.67	75-122
85 1,2-Dichlorobenzen	50.0	49.4	98.91	76-124
86 n-Butylbenzene	50.0	40.9	81.80	68-135
87 1,2-Dibromo-3-chlo	50.0	38.3	76.65	61-125
88 1,2,4-Trichloroben	50.0	40.0	80.12	60-130
89 Hexachlorobutadien	50.0	43.1	86.18	70-130
90 Naphthalene	50.0	36.1	72.17	61-135
91 1,2,3-Trichloroben	50.0	43.4	86.82	58-131
139 Methyl Acetate	50.0	40.4	80.83	30-170
140 Cyclohexane	50.0	47.8	95.66	63-134
141 Methylcyclohexane	50.0	44.2	88.42	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.0	98.06	80-123
$ 49 Toluene-d8	50.0	50.7	101.38	80-116
$ 70 4-Bromofluorobenze	50.0	48.0	95.92	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287807
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	40.4	
74-87-3	Chloromethane	47.6	
75-01-4	Vinyl Chloride	46.5	
74-83-9	Bromomethane	52.4	
79-20-9	Methyl Acetate	40.4	
75-00-3	Chloroethane	50.0	
75-69-4	Trichlorofluoromethane	49.0	
60-29-7	Diethyl ether	45.3	
107-02-8	Acrolein	1870	
75-35-4	1,1-Dichloroethene	45.0	
76-13-1	1,1,2trichlorotrifluoroethan	51.6	
67-64-1	Acetone	249	
	Iodomethane	98.0	
75-15-0	Carbon Disulfide	84.0	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	87.9	
75-09-2	Methylene Chloride	48.8	
107-13-1	Acrylonitrile	835	
75-65-0	tert-Butyl Alcohol	89.9	
156-60-5	1,2-Dichloroethene (trans)	47.2	
1634-04-4	Methyl-tert-butyl ether	83.1	
	n-Hexane	49.0	
75-34-3	1,1-Dichloroethane	42.7	
108-05-4	Vinyl Acetate	126	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	41.5	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	47.7	
78-93-3	2-Butanone	221	
354-23-4	1,2-dichlorotrifluoroethane	48.6	
74-97-5	Bromochloromethane	47.1	
	Tetrahydrofuran	16.3	
67-66-3	Chloroform	45.5	
71-55-6	1,1,1-Trichloroethane	45.1	
56-23-5	Carbon Tetrachloride	45.1	
563-58-6	1,1-Dichloropropene	47.8	
78-83-1	Isobutyl alcohol	44.2	
110-82-7	Cyclohexane	47.8	
71-43-2	Benzene	48.1	
107-06-2	1,2-Dichloroethane	47.1	
540-84-1	2,2,4-Trimethylpentane	45.7	
108-87-2	Methylcyclohexane	44.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287807
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	47.2	
78-87-5	1,2-Dichloropropane	49.0	
74-95-3	Dibromomethane	47.9	
80-62-6	Methyl methacrylate	41.8	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	50.2	
10061-01-5	cis-1,3-Dichloropropene	41.7	
108-10-1	4-Methyl-2-Pentanone	201	
108-88-3	Toluene	46.7	
10061-02-6	trans-1,3-Dichloropropene	39.8	
	Ethyl Methacrylate	41.2	
79-00-5	1,1,2-Trichloroethane	50.9	
127-18-4	Tetrachloroethene	42.6	
142-28-9	1,3-Dichloropropane	50.8	
591-78-6	2-Hexanone	204	
124-48-1	Dibromochloromethane	47.3	
106-93-4	1,2-Dibromoethane	46.5	
108-90-7	Chlorobenzene	50.2	
630-20-6	1,1,1,2-Tetrachloroethane	47.1	
100-41-4	Ethylbenzene	49.6	
7816-60-0	m&p-Xylene	97.6	
95-47-6	o-Xylene	50.2	
100-42-5	Styrene	46.4	
75-25-2	Bromoform	43.2	
98-82-8	Isopropylbenzene	42.1	
	trans-1,4-Dichloro-2-butene	38.9	
108-86-1	Bromobenzene	47.6	
79-34-5	1,1,2,2-Tetrachloroethane	46.4	
96-18-4	1,2,3-Trichloropropane	43.8	
103-65-1	n-Propylbenzene	49.7	
95-49-8	2-Chlorotoluene	49.3	
106-43-4	4-Chlorotoluene	48.2	
108-67-8	1,3,5-Trimethylbenzene	43.5	
98-06-6	tert-Butylbenzene	47.1	
95-63-6	1,2,4-Trimethylbenzene	44.8	
135-98-8	sec-Butylbenzene	51.6	
541-73-1	1,3-Dichlorobenzene	49.3	
99-87-6	p-Isopropyltoluene	47.1	
106-46-7	1,4-Dichlorobenzene	42.8	
95-50-1	1,2-Dichlorobenzene	49.4	
104-51-8	n-Butylbenzene	40.9	
96-12-8	1,2-Dibromo-3-chloropropane	38.3	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

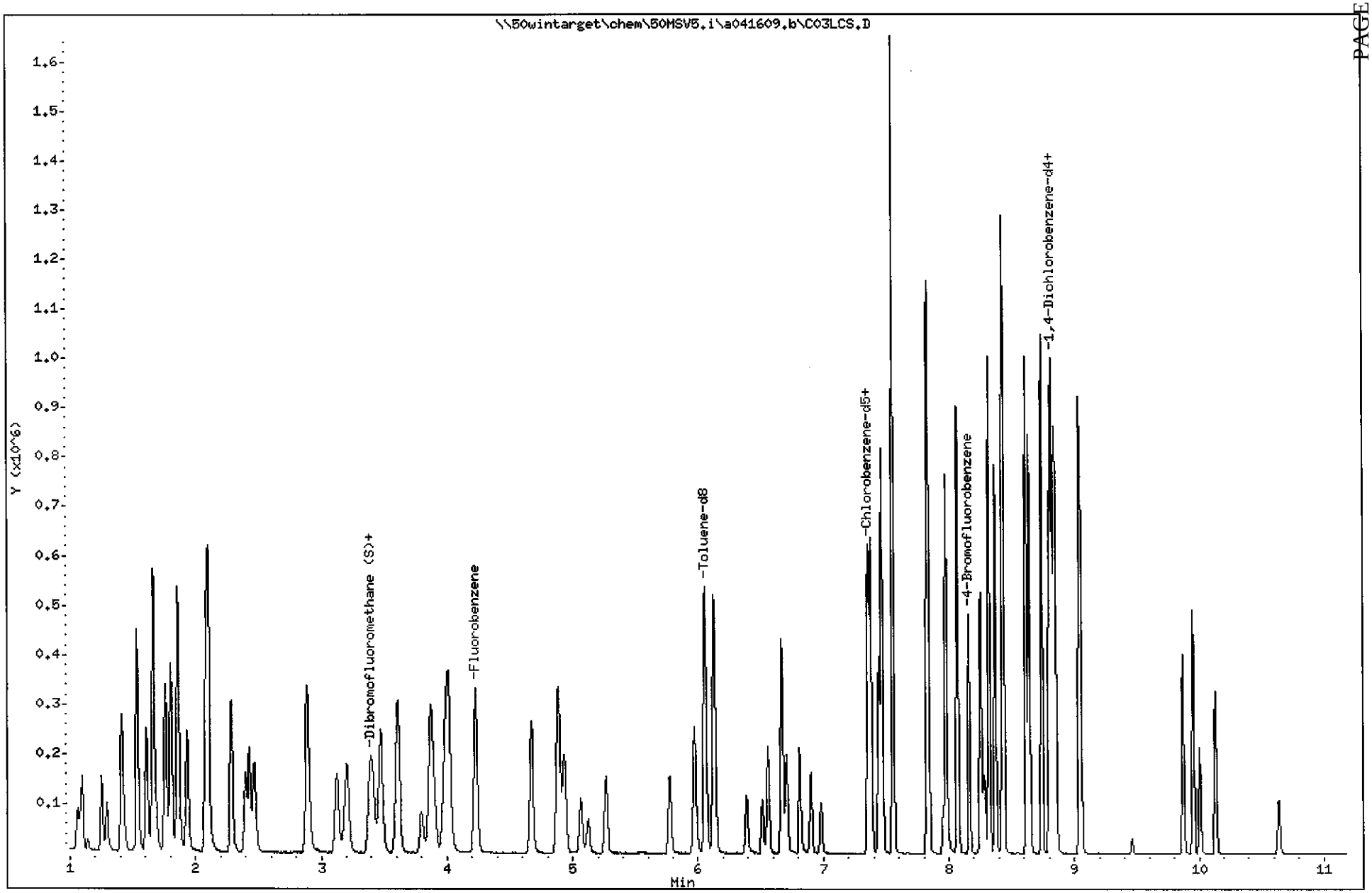
Client Name:
Lab Smp Id: 287807
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
120-82-1	1,2,4-Trichlorobenzene	40.0	
87-68-3	Hexachlorobutadiene	43.1	
91-20-3	Naphthalene	36.1	
87-61-6	1,2,3-Trichlorobenzene	43.4	
	2,methyl-naphthalene	32.9	
1868-53-7	Dibromofluoromethane (S)	49.0	
2037-26-5	Toluene-d8	50.7	
460-00-4	4-Bromofluorobenzene	48.0	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C03LCS.D
Date : 16-APR-2009 22:55
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C03LCS.D

Date : 16-APR-2009 22:55

Client ID: lcs

Instrument: 50MSV5.i

Sample Info: lcs

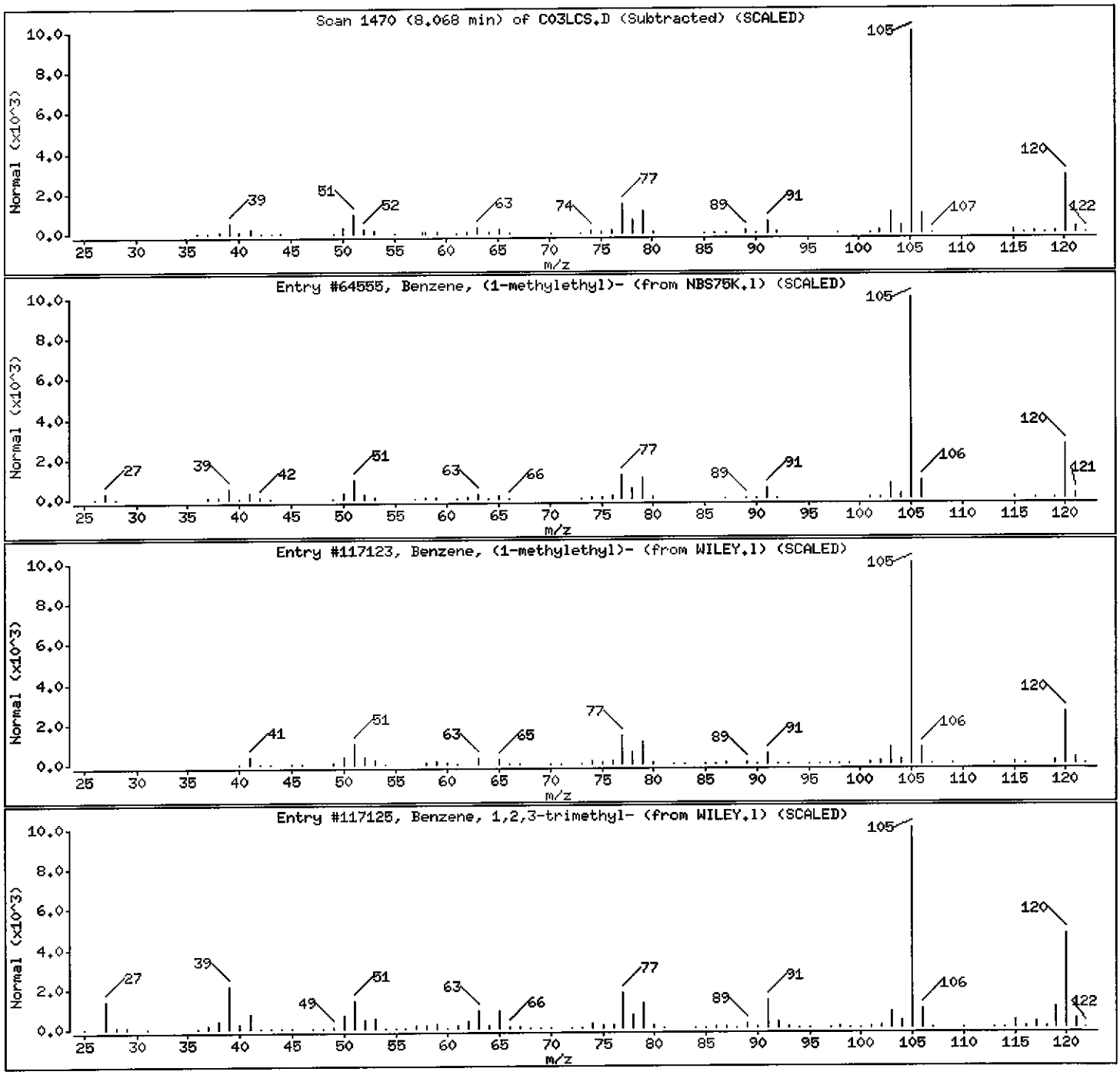
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041709.b\A02LCS.D
Lab Smp Id: 288770 Client Smp ID: lcs
Inj Date : 17-APR-2009 11:42
Operator : ala Inst ID: 50MSV5.i
Smp Info : lcs
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Meth Date : 20-Apr-2009 13:02 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 5 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	0.965	0.965	(0.229)	78725	44.4396	44.4
2 Chloromethane	50	1.059	1.059	(0.251)	94700	49.0837	49.1
3 Vinyl Chloride	62	1.096	1.101	(0.260)	91008	48.6720	48.7
4 Bromomethane	94	1.253	1.253	(0.297)	68866	52.9467	52.9
139 Methyl Acetate	43	2.100	2.105	(0.497)	33723	39.5901	39.6
5 Chloroethane	64	1.295	1.295	(0.307)	53923	52.4082	52.4
6 Trichlorofluoromethane	101	1.410	1.415	(0.334)	195238	51.9061	51.9
7 Diethyl ether	74	1.535	1.540	(0.364)	28246	43.4786	43.5
8 Acrolein	56	1.608	1.614	(0.381)	150820	1818.38	1820(R)
9 1,1-Dichloroethene	96	1.666	1.671	(0.395)	79791	46.8778	46.9
10 1,1,2trichlorotrifluoroethane	101	1.655	1.661	(0.392)	102366	54.6340	54.6
11 Acetone	43	1.687	1.687	(0.399)	130405	499.495	499(R)
12 Iodomethane	142	1.755	1.760	(0.416)	304409	98.8412	98.8
13 Carbon Disulfide	76	1.802	1.802	(0.427)	402309	88.3807	88.4
142 Acetonitrile	41	1.859	1.865	(0.440)	238127		
14 allyl chloride	41	1.859	1.865	(0.440)	238127	89.7022	89.7
15 Methylene Chloride	84	1.933	1.938	(0.458)	78233	47.4689	47.5
16 Acrylonitrile	53	2.079	2.084	(0.492)	260081	795.275	795
17 tert-Butyl Alcohol	59	1.535	1.540	(0.364)	43654	87.5373	87.5
18 1,2-Dichloroethene (trans)	96	2.100	2.105	(0.497)	90286	48.5473	48.5
19 Methyl-tert-butyl ether	73	2.100	2.105	(0.497)	149851	81.1404	81.1
20 n-Hexane	57	2.283	2.288	(0.541)	133019	51.2498	51.2
21 1,1-Dichloroethane	63	2.398	2.403	(0.568)	138323	43.5480	43.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.430	2.435	(0.575)	254517	121.137	121
	143 Chloroprene	53	2.466	2.471	(0.584)	96733		
	24 2,2-Dichloropropane	77	2.890	2.890	(0.684)	47043	44.4837	44.5
	144 Methacrylonitrile	41	3.177	3.188	(0.752)	18092		
	25 1,2-Dichloroethene (cis)	96	2.885	2.890	(0.683)	91082	47.5305	47.5
	26 2-Butanone	43	2.900	2.911	(0.687)	135813	319.724	320
	27 Propionitrile	54	2.968	2.979	(0.703)	3882	33.3238	33.3(Q)
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.364)	112667	50.9268	50.9
	29 Bromochloromethane	49	3.120	3.125	(0.739)	64380	45.8712	45.9
	30 Tetrahydrofuran	42	3.177	3.183	(0.752)	29927	4.17201	4.17
	31 Chloroform	83	3.204	3.214	(0.759)	143854	45.6882	45.7
$	32 Dibromofluoromethane (S)	113	3.381	3.392	(0.801)	92897	48.4378	48.4
	33 1,1,1-Trichloroethane	97	3.408	3.413	(0.807)	104267	47.4028	47.4
	35 Carbon Tetrachloride	117	3.606	3.612	(0.854)	97449	48.9464	48.9
	36 1,1-Dichloropropene	75	3.606	3.612	(0.854)	110534	51.0224	51.0
	37 Isobutyl alcohol	43	2.900	2.911	(0.687)	135813	63.9457	63.9
	140 Cyclohexane	56	3.465	3.476	(0.820)	146678	52.0710	52.1
	38 Benzene	78	3.868	3.878	(0.916)	307590	48.6888	48.7
	39 1,2-Dichloroethane	62	3.894	3.899	(0.922)	83943	46.0818	46.1
	138 2,2,4-Trimethylpentane	57	3.988	3.993	(0.944)	322252	49.7721	49.8
	141 Methylcyclohexane	55	4.888	4.893	(1.157)	118934	48.1076	48.1
*	40 Fluorobenzene	96	4.224	4.234	(1.000)	353759	50.0000	
	41 Trichloroethene	95	4.668	4.679	(1.105)	91389	48.5362	48.5
	42 1,2-Dichloropropane	63	4.930	4.935	(1.167)	79993	49.7167	49.7
	43 Dibromomethane	93	5.066	5.071	(1.199)	38421	47.4521	47.4
	44 Methyl methacrylate	69	5.123	5.128	(1.213)	20675	39.2292	39.2
	147 1,4-Dioxane	88	5.118	5.118	(1.212)	6493		
	45 Bromodichloromethane	83	5.264	5.270	(1.246)	92436	50.1603	50.2
	47 cis-1,3-Dichloropropene	75	5.772	5.777	(0.785)	80430	42.6467	42.6
	48 4-Methyl-2-Pentanone	43	5.970	5.976	(0.812)	175530	203.554	204
$	49 Toluene-d8	98	6.059	6.059	(0.824)	349496	51.0184	51.0
	50 Toluene	91	6.127	6.133	(0.833)	370329	48.4575	48.4
	51 trans-1,3-Dichloropropene	75	6.389	6.394	(0.868)	51555	41.2795	41.3
	52 Ethyl Methacrylate	69	6.514	6.520	(0.886)	41092	39.2421	39.2
	53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	43972	51.0135	51.0
	54 Tetrachloroethene	166	6.671	6.677	(0.907)	116171	47.4251	47.4
	55 1,3-Dichloropropane	76	6.708	6.713	(0.912)	84420	50.1302	50.1
	56 2-Hexanone	43	6.812	6.818	(0.926)	172519	311.181	311
	57 Dibromochloromethane	129	6.901	6.901	(0.938)	65169	47.5809	47.6
	58 1,2-Dibromoethane	107	6.980	6.985	(0.949)	50953	46.2614	46.3
*	59 Chlorobenzene-d5	117	7.356	7.362	(1.000)	238142	50.0000	
	60 Chlorobenzene	112	7.377	7.377	(1.003)	256146	51.5634	51.6
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.012)	71732	48.2248	48.2
	62 Ethylbenzene	106	7.466	7.472	(1.015)	140763	52.7013	52.7
	63 m&p-Xylene	106	7.555	7.555	(1.027)	357915	101.495	101
	65 o-Xylene	106	7.827	7.827	(1.064)	164379	51.4958	51.5
	66 Styrene	104	7.838	7.838	(1.065)	245532	47.0444	47.0
	67 Bromoform	173	7.953	7.958	(0.900)	27800	44.6928	44.7
	68 Isopropylbenzene	105	8.429	8.429	(1.146)	314118	44.2305	44.2
	69 trans-1,4-Dichloro-2-butene	53	8.293	8.298	(1.127)	8103	39.2471	39.2
$	70 4-Bromofluorobenzene	95	8.162	8.167	(1.109)	98579	48.4804	48.5
	71 Bromobenzene	77	8.251	8.256	(1.122)	117988	48.5679	48.6
	72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.935)	50631	46.1881	46.2
	73 1,2,3-Trichloropropane	75	8.282	8.287	(0.937)	41578	44.4738	44.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.324	8.329	(0.942)	502982	53.6962	53.7
75 2-Chlorotoluene	91	8.371	8.376	(0.947)	275144	51.3977	51.4
76 4-Chlorotoluene	126	8.439	8.439	(0.955)	110862	50.9328	50.9
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.954)	314118	46.3404	46.3
78 tert-Butylbenzene	119	8.617	8.622	(0.975)	383116	49.8877	49.9
79 1,2,4-Trimethylbenzene	105	8.643	8.648	(0.978)	303871	47.2053	47.2
80 sec-Butylbenzene	105	8.742	8.743	(0.989)	484311	55.4368	55.4
81 1,3-Dichlorobenzene	146	8.800	8.805	(0.996)	204051	51.7665	51.8
* 82 1,4-Dichlorobenzene-d4	152	8.837	8.842	(1.000)	128563	50.0000	
83 p-Isopropyltoluene	119	8.617	8.622	(0.975)	383116	49.8877	49.9
84 1,4-Dichlorobenzene	146	8.852	8.858	(1.002)	186488	45.2341	45.2
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.025)	173576	50.1983	50.2
86 n-Butylbenzene	91	9.041	9.041	(1.023)	327676	45.9761	46.0
87 1,2-Dibromo-3-chloropropane	155	9.459	9.464	(1.070)	4798	40.9343	40.9
88 1,2,4-Trichlorobenzene	180	9.872	9.877	(1.117)	97444	44.4834	44.5
89 Hexachlorobutadiene	225	9.951	9.956	(1.126)	72115	47.3421	47.3
90 Naphthalene	128	10.008	10.013	(1.133)	127338	36.4491	36.4
91 1,2,3-Trichlorobenzene	180	10.134	10.139	(1.147)	83073	45.5062	45.5
92 2,methyl-naphthalene	142	10.641	10.646	(1.204)	50370	34.3078	34.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A02LCS.D
Lab Smp Id: 288770
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info:

Calibration Date: 17-APR-2009
Calibration Time: 22:30
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	353759	-5.34
59 Chlorobenzene-d5	255255	127628	510510	238142	-6.70
82 1,4-Dichlorobenze	136223	68112	272446	128563	-5.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.22	-0.25
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.07
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 288770
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info:

Client SDG: a041709.b
Fraction: VOA
Client Smp ID: lcs
Operator: ala
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	44.4	88.88	30-170
2 Chloromethane	50.0	49.1	98.17	35-147
3 Vinyl Chloride	50.0	48.7	97.34	55-141
4 Bromomethane	50.0	52.9	105.89	30-170
5 Chloroethane	50.0	52.4	104.82	56-153
6 Trichlorofluoromet	50.0	51.9	103.81	62-150
7 Diethyl ether	50.0	43.5	86.96	70-130
8 Acrolein	1000	1820	181.84*	30-170
9 1,1-Dichloroethene	50.0	46.9	93.76	63-128
10 1,1,2trichlorotrif	50.0	54.6	109.27	74-153
11 Acetone	250	499	199.80*	30-170
12 Iodomethane	100	98.8	98.84	41-170
13 Carbon Disulfide	100	88.4	88.38	58-152
14 allyl chloride	100	89.7	89.70	70-130
15 Methylene Chloride	50.0	47.5	94.94	32-164
16 Acrylonitrile	1000	795	79.53	67-136
17 tert-Butyl Alcohol	100	87.5	87.54	50-150
18 1,2-Dichloroethene	50.0	48.5	97.09	71-126
19 Methyl-tert-butyl	100	81.1	81.14	66-147
20 n-Hexane	50.0	51.2	102.50	69-157
21 1,1-Dichloroethane	50.0	43.5	87.10	67-133
23 Vinyl Acetate	200	121	60.57	41-145
24 2,2-Dichloropropan	50.0	44.5	88.97	52-144
25 1,2-Dichloroethene	50.0	47.5	95.06	74-128
26 2-Butanone	250	320	127.89	47-189
28 1,2-dichlorotriflu	50.0	50.9	101.85	54-162
29 Bromochloromethane	50.0	45.9	91.74	54-162
31 Chloroform	50.0	45.7	91.38	74-131
33 1,1,1-Trichloroeth	50.0	47.4	94.81	69-136
35 Carbon Tetrachlori	50.0	48.9	97.89	62-143
36 1,1-Dichloropropen	50.0	51.0	102.04	75-134
38 Benzene	50.0	48.7	97.38	78-127
39 1,2-Dichloroethane	50.0	46.1	92.16	69-139
41 Trichloroethene	50.0	48.5	97.07	74-130
42 1,2-Dichloropropan	50.0	49.7	99.43	76-129
43 Dibromomethane	50.0	47.4	94.90	73-133
44 Methyl methacrylat	50.0	39.2	78.46	70-130
45 Bromodichlorometha	50.0	50.2	100.32	69-133
47 cis-1,3-Dichloropr	50.0	42.6	85.29	54-123
48 4-Methyl-2-Pentano	250	204	81.42	61-135

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
50 Toluene	50.0	48.4	96.91	75-129
51 trans-1,3-Dichloro	50.0	41.3	82.56	54-123
52 Ethyl Methacrylate	50.0	39.2	78.48	59-138
53 1,1,2-Trichloroeth	50.0	51.0	102.03	77-132
54 Tetrachloroethene	50.0	47.4	94.85	60-119
55 1,3-Dichloropropan	50.0	50.1	100.26	74-126
56 2-Hexanone	250	311	124.47	57-167
57 Dibromochlorometha	50.0	47.6	95.16	66-131
58 1,2-Dibromoethane	50.0	46.3	92.52	75-126
60 Chlorobenzene	50.0	51.6	103.13	75-123
61 1,1,1,2-Tetrachlor	50.0	48.2	96.45	69-130
62 Ethylbenzene	50.0	52.7	105.40	81-126
63 m&p-Xylene	100	101	101.50	71-131
65 o-Xylene	50.0	51.5	102.99	72-127
66 Styrene	50.0	47.0	94.09	74-128
67 Bromoform	50.0	44.7	89.39	60-127
68 Isopropylbenzene	50.0	44.2	88.46	80-130
69 trans-1,4-Dichloro	50.0	39.2	78.49	50-150
71 Bromobenzene	50.0	48.6	97.14	62-139
72 1,1,2,2-Tetrachlor	50.0	46.2	92.38	69-130
73 1,2,3-Trichloropro	50.0	44.5	88.95	60-131
74 n-Propylbenzene	50.0	53.7	107.39	71-132
75 2-Chlorotoluene	50.0	51.4	102.80	72-128
76 4-Chlorotoluene	50.0	50.9	101.87	73-124
77 1,3,5-Trimethylben	50.0	46.3	92.68	74-130
78 tert-Butylbenzene	50.0	49.9	99.78	63-117
79 1,2,4-Trimethylben	50.0	47.2	94.41	73-130
80 sec-Butylbenzene	50.0	55.4	110.87	73-130
81 1,3-Dichlorobenzen	50.0	51.8	103.53	76-125
83 p-Isopropyltoluene	50.0	49.9	99.78	66-131
84 1,4-Dichlorobenzen	50.0	45.2	90.47	75-122
85 1,2-Dichlorobenzen	50.0	50.2	100.40	76-124
86 n-Butylbenzene	50.0	46.0	91.95	68-135
87 1,2-Dibromo-3-chlo	50.0	40.9	81.87	61-125
88 1,2,4-Trichloroben	50.0	44.5	88.97	60-130
89 Hexachlorobutadien	50.0	47.3	94.68	70-130
90 Naphthalene	50.0	36.4	72.90	61-135
91 1,2,3-Trichloroben	50.0	45.5	91.01	58-131
139 Methyl Acetate	50.0	39.6	79.18	30-170
140 Cyclohexane	50.0	52.1	104.14	63-134
141 Methylcyclohexane	50.0	48.1	96.22	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	48.4	96.88	80-123
$ 49 Toluene-d8	50.0	51.0	102.04	80-116
$ 70 4-Bromofluorobenze	50.0	48.5	96.96	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 288770
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041709.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	44.4	
74-87-3	Chloromethane	49.1	
75-01-4	Vinyl Chloride	48.7	
74-83-9	Bromomethane	52.9	
79-20-9	Methyl Acetate	39.6	
75-00-3	Chloroethane	52.4	
75-69-4	Trichlorofluoromethane	51.9	
60-29-7	Diethyl ether	43.5	
107-02-8	Acrolein	1820	
75-35-4	1,1-Dichloroethene	46.9	
76-13-1	1,1,2trichlorotrifluoroethan	54.6	
67-64-1	Acetone	499	
	Iodomethane	98.8	
75-15-0	Carbon Disulfide	88.4	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	89.7	
75-09-2	Methylene Chloride	47.5	
107-13-1	Acrylonitrile	795	
75-65-0	tert-Butyl Alcohol	87.5	
156-60-5	1,2-Dichloroethene (trans)	48.5	
1634-04-4	Methyl-tert-butyl ether	81.1	
	n-Hexane	51.2	
75-34-3	1,1-Dichloroethane	43.5	
108-05-4	Vinyl Acetate	121	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	44.5	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	47.5	
78-93-3	2-Butanone	320	
107-12-0	Propionitrile	33.3	
354-23-4	1,2-dichlorotrifluoroethane	50.9	
74-97-5	Bromochloromethane	45.9	
	Tetrahydrofuran	4.17	
67-66-3	Chloroform	45.7	
71-55-6	1,1,1-Trichloroethane	47.4	
56-23-5	Carbon Tetrachloride	48.9	
563-58-6	1,1-Dichloropropene	51.0	
78-83-1	Isobutyl alcohol	63.9	
110-82-7	Cyclohexane	52.1	
71-43-2	Benzene	48.7	
107-06-2	1,2-Dichloroethane	46.1	
540-84-1	2,2,4-Trimethylpentane	49.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 288770
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041709.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	48.1	
79-01-6	Trichloroethene	48.5	
78-87-5	1,2-Dichloropropane	49.7	
74-95-3	Dibromomethane	47.4	
80-62-6	Methyl methacrylate	39.2	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	50.2	
10061-01-5	cis-1,3-Dichloropropene	42.6	
108-10-1	4-Methyl-2-Pentanone	204	
108-88-3	Toluene	48.4	
10061-02-6	trans-1,3-Dichloropropene	41.3	
	Ethyl Methacrylate	39.2	
79-00-5	1,1,2-Trichloroethane	51.0	
127-18-4	Tetrachloroethene	47.4	
142-28-9	1,3-Dichloropropane	50.1	
591-78-6	2-Hexanone	311	
124-48-1	Dibromochloromethane	47.6	
106-93-4	1,2-Dibromoethane	46.3	
108-90-7	Chlorobenzene	51.6	
630-20-6	1,1,1,2-Tetrachloroethane	48.2	
100-41-4	Ethylbenzene	52.7	
7816-60-0	m&p-Xylene	101	
95-47-6	o-Xylene	51.5	
100-42-5	Styrene	47.0	
75-25-2	Bromoform	44.7	
98-82-8	Isopropylbenzene	44.2	
	trans-1,4-Dichloro-2-butene	39.2	
108-86-1	Bromobenzene	48.6	
79-34-5	1,1,2,2-Tetrachloroethane	46.2	
96-18-4	1,2,3-Trichloropropane	44.5	
103-65-1	n-Propylbenzene	53.7	
95-49-8	2-Chlorotoluene	51.4	
106-43-4	4-Chlorotoluene	50.9	
108-67-8	1,3,5-Trimethylbenzene	46.3	
98-06-6	tert-Butylbenzene	49.9	
95-63-6	1,2,4-Trimethylbenzene	47.2	
135-98-8	sec-Butylbenzene	55.4	
541-73-1	1,3-Dichlorobenzene	51.8	
99-87-6	p-Isopropyltoluene	49.9	
106-46-7	1,4-Dichlorobenzene	45.2	
95-50-1	1,2-Dichlorobenzene	50.2	
104-51-8	n-Butylbenzene	46.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

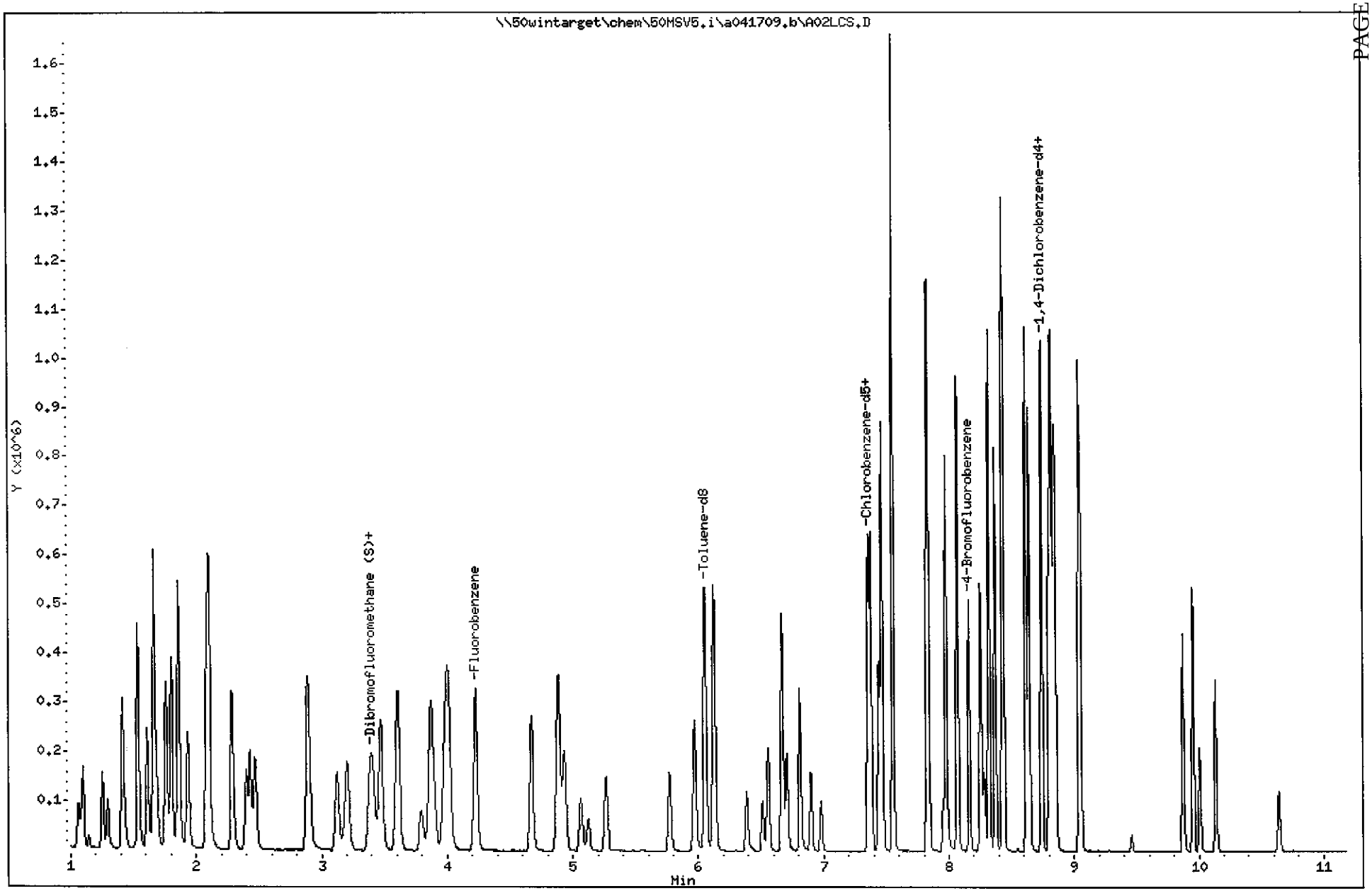
Client Name:
Lab Smp Id: 288770
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041709.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	40.9	
120-82-1	1,2,4-Trichlorobenzene	44.5	
87-68-3	Hexachlorobutadiene	47.3	
91-20-3	Naphthalene	36.4	
87-61-6	1,2,3-Trichlorobenzene	45.5	
	2,methyl-naphthalene	34.3	
1868-53-7	Dibromofluoromethane (S)	48.4	
2037-26-5	Toluene-d8	51.0	
460-00-4	4-Bromofluorobenzene	48.5	

Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A02LCS.D
Date : 17-APR-2009 11:42
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A02LCS.D

Date : 17-APR-2009 11:42

Client ID: lcs

Instrument: 50MSV5.i

Sample Info: lcs

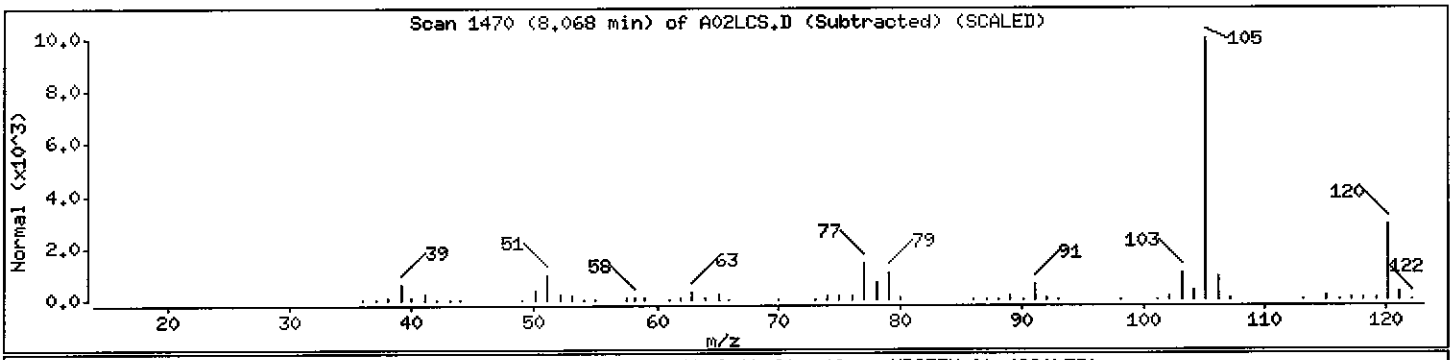
Purge Volume: 5.0

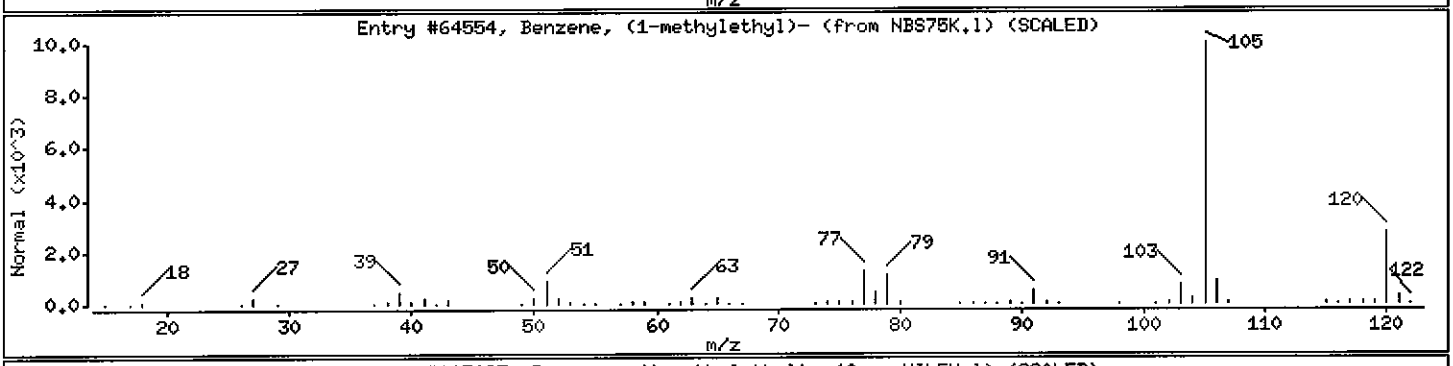
Operator: ala

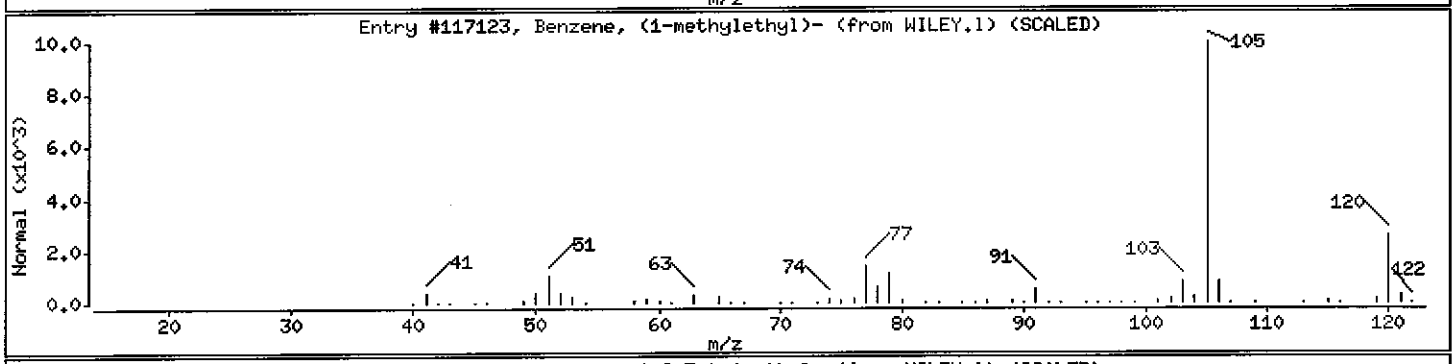
Column phase: DB-624

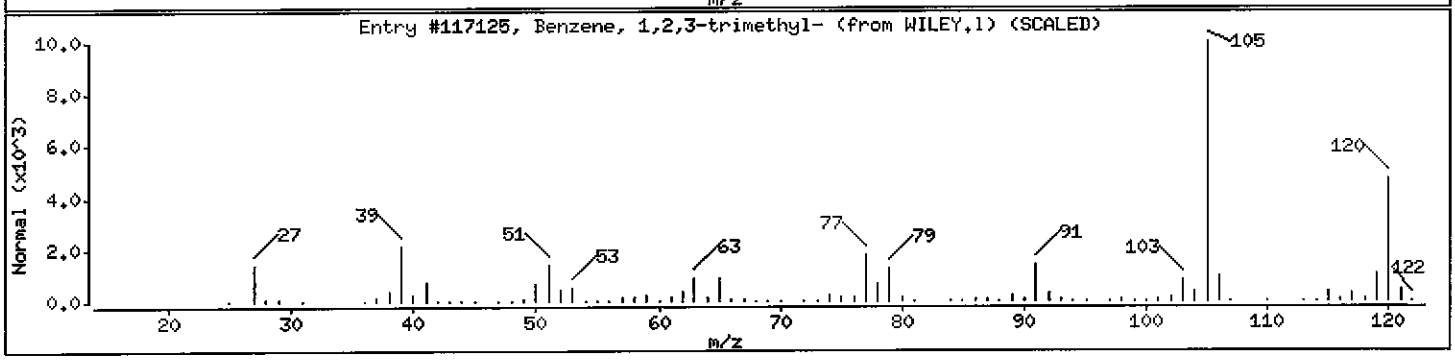
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64554	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B18.D
Lab Smp Id: 287394 Client Smp ID: ms014
Inj Date : 15-APR-2009 21:48
Operator : ala Inst ID: 50MSV5.i
Smp Info : ms014
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 38 QC Sample: MS
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	0.965	0.965	(0.228)	97910	50.0130	50.0
2 Chloromethane	50	1.054	1.054	(0.249)	99861	52.2181	52.2
3 Vinyl Chloride	62	1.096	1.096	(0.259)	98829	54.2735	54.3
4 Bromomethane	94	1.253	1.253	(0.296)	70768	57.9649	58.0
139 Methyl Acetate	43	1.859	1.865	(0.440)	30794	77.6001	77.6
5 Chloroethane	64	1.295	1.295	(0.306)	56653	54.3521	54.4
6 Trichlorofluoromethane	101	1.404	1.410	(0.332)	226027	60.1510	60.2
7 Diethyl ether	74	1.540	1.540	(0.364)	23252	48.9567	49.0
8 Acrolein	56	1.603	1.608	(0.379)	84701	1668.86	1670
9 1,1-Dichloroethene	96	1.661	1.666	(0.393)	85006	51.3614	51.4
10 1,1,2trichlorotrifluoroethane	101	1.656	1.661	(0.392)	117152	60.3738	60.4
11 Acetone	43	1.682	1.687	(0.398)	40117	220.714	221
12 Iodomethane	142	1.755	1.760	(0.415)	304310	103.161	103
13 Carbon Disulfide	76	1.797	1.797	(0.425)	437435	93.3648	93.4
142 Acetonitrile	41	1.859	1.859	(0.440)	238125		
14 allyl chloride	41	1.859	1.859	(0.440)	238125	94.1778	94.2
15 Methylene Chloride	84	1.933	1.933	(0.457)	72028	53.0241	53.0
16 Acrylonitrile	53	2.079	2.084	(0.492)	175633	944.752	945
17 tert-Butyl Alcohol	59	1.535	1.540	(0.363)	37439	100.183	100
18 1,2-Dichloroethene (trans)	96	2.100	2.105	(0.497)	100523	54.1053	54.1
19 Methyl-tert-butyl ether	73	2.105	2.105	(0.498)	191695	87.5213	87.5
20 n-Hexane	57	2.288	2.288	(0.541)	150422	57.5936	57.6
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	164832	50.7944	50.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
23 Vinyl Acetate	43	2.435	2.435	(0.576)	181304	123.559	124
143 Chloroprene	53	2.471	2.477	(0.584)	114973		
24 2,2-Dichloropropane	77	2.890	2.895	(0.683)	46161	39.4891	39.5
25 1,2-Dichloroethene (cis)	96	2.885	2.890	(0.682)	91082	51.6693	51.7
26 2-Butanone	43	2.911	2.916	(0.688)	68573	227.201	227
144 Methacrylonitrile	41	3.125	3.130	(0.739)	14756		
28 1,2-dichlorotrifluoroethane	67	1.530	1.535	(0.362)	125886	60.3574	60.4
29 Bromochloromethane	49	3.120	3.125	(0.738)	57337	52.7015	52.7
31 Chloroform	83	3.209	3.214	(0.759)	142112	52.0600	52.0
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.801)	74749	49.7018	49.7
33 1,1,1-Trichloroethane	97	3.413	3.413	(0.807)	97859	43.7521	43.8
35 Carbon Tetrachloride	117	3.606	3.612	(0.853)	89123	44.6252	44.6
36 1,1-Dichloropropene	75	3.606	3.612	(0.853)	119690	51.1437	51.1
37 Isobutyl alcohol	43	4.025	4.030	(0.952)	270436	202.153	202(R)
140 Cyclohexane	56	3.470	3.476	(0.821)	159978	52.4087	52.4
38 Benzene	78	3.873	3.878	(0.916)	316643	55.0107	55.0
39 1,2-Dichloroethane	62	3.905	3.904	(0.923)	72039	52.3309	52.3
138 2,2,4-Trimethylpentane	57	3.988	3.993	(0.943)	351345	49.7214	49.7
141 Methylcyclohexane	55	4.888	4.893	(1.156)	130605	50.9611	51.0
* 40 Fluorobenzene	96	4.229	4.239	(1.000)	303614	50.0000	
41 Trichloroethene	95	4.673	4.678	(1.105)	94989	50.6958	50.7
42 1,2-Dichloropropane	63	4.940	4.940	(1.168)	75146	54.7793	54.8
43 Dibromomethane	93	5.071	5.076	(1.199)	30534	53.2303	53.2
44 Methyl methacrylate	69	5.128	5.134	(1.213)	12195	38.1204	38.1
45 Bromodichloromethane	83	5.270	5.269	(1.246)	79800	50.1645	50.2
145 1,4-Dioxane	88	5.134	5.134	(1.214)	4455		
47 cis-1,3-Dichloropropene	75	5.777	5.782	(0.785)	60164	42.4346	42.4
48 4-Methyl-2-Pentanone	43	5.981	5.986	(0.812)	120757	224.787	225
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	299226	51.1942	51.2
50 Toluene	91	6.133	6.138	(0.833)	373159	52.0363	52.0
51 trans-1,3-Dichloropropene	75	6.394	6.399	(0.869)	34665	40.5494	40.5
52 Ethyl Methacrylate	69	6.520	6.525	(0.886)	25888	38.1066	38.1
53 1,1,2-Trichloroethane	83	6.567	6.567	(0.892)	35106	54.1842	54.2
54 Tetrachloroethene	166	6.677	6.682	(0.907)	116971	49.2078	49.2
55 1,3-Dichloropropane	76	6.713	6.718	(0.912)	69470	53.9961	54.0
56 2-Hexanone	43	6.818	6.823	(0.926)	74684	225.330	225
57 Dibromochloromethane	129	6.907	6.907	(0.938)	48195	49.7589	49.8
58 1,2-Dibromoethane	107	6.985	6.990	(0.949)	37073	48.8242	48.8
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	191056	50.0000	
60 Chlorobenzene	112	7.383	7.383	(1.003)	245215	57.1302	57.1
61 1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	59454	48.7329	48.7
62 Ethylbenzene	106	7.472	7.477	(1.015)	143996	54.4012	54.4
63 m&p-Xylene	106	7.560	7.560	(1.027)	348780	100.879	101
65 o-Xylene	106	7.827	7.832	(1.063)	157637	51.8702	51.9
66 Styrene	104	7.838	7.843	(1.065)	157845	36.2447	36.2
67 Bromoform	173	7.958	7.958	(0.900)	18736	44.2589	44.2
68 Isopropylbenzene	105	8.073	8.073	(1.097)	456386	55.0971	55.1
69 trans-1,4-Dichloro-2-butene	53	8.298	8.298	(1.127)	6172	44.4123	44.4
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	80320	51.1469	51.1
71 Bromobenzene	77	8.256	8.256	(1.121)	107665	54.8422	54.8
72 1,1,2,2-Tetrachloroethane	83	8.267	8.266	(0.935)	39628	51.7363	51.7
73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	31419	45.4444	45.4
74 n-Propylbenzene	91	8.329	8.329	(0.942)	528174	52.9721	53.0
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	276561	53.8262	53.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
76	4-Chlorotoluene	126	8.439	8.444	(0.954)	108376	51.1647	51.2
77	1,3,5-Trimethylbenzene	105	8.434	8.434	(0.954)	272422	39.1203	39.1
78	tert-Butylbenzene	119	8.622	8.622	(0.975)	368344	44.0645	44.1
79	1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	245520	38.0360	38.0
80	sec-Butylbenzene	105	8.742	8.748	(0.989)	524458	53.1804	53.2
81	1,3-Dichlorobenzene	146	8.805	8.810	(0.996)	187538	52.6659	52.7
* 82	1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	102934	50.0000	
83	p-Isopropyltoluene	119	8.821	8.826	(0.998)	399795	44.7825	44.8
84	1,4-Dichlorobenzene	146	8.858	8.857	(1.002)	166106	47.1458	47.1
85	1,2-Dichlorobenzene	146	9.062	9.061	(1.025)	152276	52.7125	52.7
86	n-Butylbenzene	91	9.041	9.046	(1.022)	332782	45.7202	45.7
87	1,2-Dibromo-3-chloropropane	155	9.464	9.469	(1.070)	2815	37.6097	37.6
88	1,2,4-Trichlorobenzene	180	9.877	9.883	(1.117)	75150	42.7968	42.8
89	Hexachlorobutadiene	225	9.956	9.961	(1.126)	77632	48.8793	48.9
90	Naphthalene	128	10.013	10.019	(1.132)	79638	33.6601	33.7
91	1,2,3-Trichlorobenzene	180	10.139	10.144	(1.147)	64638	46.3596	46.4
92	2,methyl-naphthalene	142	10.646	10.651	(1.204)	15146	41.2422	41.2

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B18.D
Lab Smp Id: 287394
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: ms014
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	303614	-11.88
59 Chlorobenzene-d5	214804	107402	429608	191056	-11.06
82 1,4-Dichlorobenze	110737	55369	221474	102934	-7.05

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.24
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041509.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 287394
Client Smp ID: ms014
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: MS
SpikeList File: 8260MS-w.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	50.0	100.03	30-163
2 Chloromethane	50.0	52.2	104.44	36-136
3 Vinyl Chloride	50.0	54.3	108.55	51-144
4 Bromomethane	50.0	58.0	115.93	30-170
5 Chloroethane	50.0	54.4	108.70	54-157
6 Trichlorofluoromet	50.0	60.2	120.30	53-162
28 1,2-dichlorotriflu	50.0	60.4	120.71	50-150
7 Diethyl ether	50.0	49.0	97.91	70-130
8 Acrolein	1000	1670	166.89	30-170
9 1,1-Dichloroethene	50.0	51.4	102.72	55-140
10 1,1,2trichlorotrif	50.0	60.4	120.75	50-150
11 Acetone	250	221	88.29	30-170
12 Iodomethane	100	103	103.16	28-168
13 Carbon Disulfide	100	93.4	93.36	46-162
139 Methyl Acetate	50.0	77.6	155.20	40-182
14 allyl chloride	100	94.2	94.18	39-155
15 Methylene Chloride	50.0	53.0	106.05	46-154
16 Acrylonitrile	1000	945	94.48	66-137
27 Propionitrile	50.0	0.000	*	50-150
17 tert-Butyl Alcohol	100	100	100.18	50-150
18 1,2-Dichloroethene	50.0	54.1	108.21	60-137
19 Methyl-tert-butyl	100	87.5	87.52	52-156
20 n-Hexane	50.0	57.6	115.19	32-176
21 1,1-Dichloroethane	50.0	50.8	101.59	68-139
23 Vinyl Acetate	200	124	61.78	24-132
25 1,2-Dichloroethene	50.0	51.7	103.34	65-132
24 2,2-Dichloropropan	50.0	39.5	78.98	35-157
26 2-Butanone	250	227	90.88	62-132
29 Bromochloromethane	50.0	52.7	105.40	65-157
30 Tetrahydrofuran	50.0	0.000	*	50-150
31 Chloroform	50.0	52.0	104.12	67-134
33 1,1,1-Trichloroeth	50.0	43.8	87.50	64-143
140 Cyclohexane	50.0	52.4	104.82	39-167
37 Isobutyl alcohol	50.0	202	404.31*	50-150
36 1,1-Dichloropropen	50.0	51.1	102.29	66-140
35 Carbon Tetrachlori	50.0	44.6	89.25	54-145
38 Benzene	50.0	55.0	110.02	63-141
39 1,2-Dichloroethane	50.0	52.3	104.66	63-148
41 Trichloroethene	50.0	50.7	101.39	61-137
141 Methylcyclohexane	50.0	51.0	101.92	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	54.8	109.56	70-136
43 Dibromomethane	50.0	53.2	106.46	67-144
44 Methyl methacrylat	50.0	38.1	76.24	50-150
45 Bromodichlorometha	50.0	50.2	100.33	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	42.4	84.87	46-121
48 4-Methyl-2-Pentano	250	225	89.91	57-135
50 Toluene	50.0	52.0	104.07	59-142
51 trans-1,3-Dichloro	50.0	40.5	81.10	43-117
52 Ethyl Methacrylate	50.0	38.1	76.21	52-140
53 1,1,2-Trichloroeth	50.0	54.2	108.37	71-143
54 Tetrachloroethene	50.0	49.2	98.42	25-146
55 1,3-Dichloropropan	50.0	54.0	107.99	65-133
56 2-Hexanone	250	225	90.13	61-141
57 Dibromochlorometha	50.0	49.8	99.52	64-124
58 1,2-Dibromoethane	50.0	48.8	97.65	67-134
60 Chlorobenzene	50.0	57.1	114.26	56-133
61 1,1,1,2-Tetrachlor	50.0	48.7	97.47	55-131
62 Ethylbenzene	50.0	54.4	108.80	44-151
63 m&p-Xylene	100	101	100.88	41-153
65 o-Xylene	50.0	51.9	103.74	52-139
66 Styrene	50.0	36.2	72.49	38-141
67 Bromoform	50.0	44.2	88.52	58-124
68 Isopropylbenzene	50.0	55.1	110.19	40-148
69 trans-1,4-Dichloro	50.0	44.4	88.82	44-139
72 1,1,2,2-Tetrachlor	50.0	51.7	103.47	64-142
71 Bromobenzene	50.0	54.8	109.68	57-128
73 1,2,3-Trichloropro	50.0	45.4	90.89	33-140
74 n-Propylbenzene	50.0	53.0	105.94	40-148
75 2-Chlorotoluene	50.0	53.8	107.65	44-143
76 4-Chlorotoluene	50.0	51.2	102.33	43-140
77 1,3,5-Trimethylben	50.0	39.1	78.24	39-145
78 tert-Butylbenzene	50.0	44.1	88.13	32-133
79 1,2,4-Trimethylben	50.0	38.0	76.07	39-146
80 sec-Butylbenzene	50.0	53.2	106.36	38-150
81 1,3-Dichlorobenzen	50.0	52.7	105.33	40-143
83 p-Isopropyltoluene	50.0	44.8	89.57	34-146
84 1,4-Dichlorobenzen	50.0	47.1	94.29	38-142
86 n-Butylbenzene	50.0	45.7	91.44	27-153
85 1,2-Dichlorobenzen	50.0	52.7	105.42	48-137
88 1,2,4-Trichloroben	50.0	42.8	85.59	39-146
91 1,2,3-Trichloroben	50.0	46.4	92.72	33-140
87 1,2-Dibromo-3-chlo	50.0	37.6	75.22	39-140
89 Hexachlorobutadien	50.0	48.9	97.76	30-145
90 Naphthalene	50.0	33.7	67.32	44-138
92 2,methyl-naphthale	50.0	41.2	82.48	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.7	99.40	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	51.2	102.39	80-116
$ 70 4-Bromofluorobenze	50.0	51.1	102.29	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287394
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: ms014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	50.0	
74-87-3	Chloromethane	52.2	
75-01-4	Vinyl Chloride	54.3	
74-83-9	Bromomethane	58.0	
79-20-9	Methyl Acetate	77.6	
75-00-3	Chloroethane	54.4	
75-69-4	Trichlorofluoromethane	60.2	
60-29-7	Diethyl ether	49.0	
107-02-8	Acrolein	1670	
75-35-4	1,1-Dichloroethene	51.4	
76-13-1	1,1,2trichlorotrifluoroethan	60.4	
67-64-1	Acetone	221	
	Iodomethane	103	
75-15-0	Carbon Disulfide	93.4	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	94.2	
75-09-2	Methylene Chloride	53.0	
107-13-1	Acrylonitrile	945	
75-65-0	tert-Butyl Alcohol	100	
156-60-5	1,2-Dichloroethene (trans)	54.1	
1634-04-4	Methyl-tert-butyl ether	87.5	
	n-Hexane	57.6	
75-34-3	1,1-Dichloroethane	50.8	
108-05-4	Vinyl Acetate	124	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	39.5	
156-59-2	1,2-Dichloroethene (cis)	51.7	
78-93-3	2-Butanone	227	
126-98-7	Methacrylonitrile	0.000	
354-23-4	1,2-dichlorotrifluoroethane	60.4	
74-97-5	Bromochloromethane	52.7	
67-66-3	Chloroform	52.0	
71-55-6	1,1,1-Trichloroethane	43.8	
56-23-5	Carbon Tetrachloride	44.6	
563-58-6	1,1-Dichloropropene	51.1	
78-83-1	Isobutyl alcohol	202	
110-82-7	Cyclohexane	52.4	
71-43-2	Benzene	55.0	
107-06-2	1,2-Dichloroethane	52.3	
540-84-1	2,2,4-Trimethylpentane	49.7	
108-82-7	Methylcyclohexane	51.0	
79-01-6	Trichloroethene	50.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287394
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: ms014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	54.8	
74-95-3	Dibromomethane	53.2	
80-62-6	Methyl methacrylate	38.1	
75-27-4	Bromodichloromethane	50.2	
	1,4-Dioxane	0.000	
10061-01-5	cis-1,3-Dichloropropene	42.4	
108-10-1	4-Methyl-2-Pentanone	225	
108-88-3	Toluene	52.0	
10061-02-6	trans-1,3-Dichloropropene	40.5	
	Ethyl Methacrylate	38.1	
79-00-5	1,1,2-Trichloroethane	54.2	
127-18-4	Tetrachloroethene	49.2	
142-28-9	1,3-Dichloropropane	54.0	
591-78-6	2-Hexanone	225	
124-48-1	Dibromochloromethane	49.8	
106-93-4	1,2-Dibromoethane	48.8	
108-90-7	Chlorobenzene	57.1	
630-20-6	1,1,1,2-Tetrachloroethane	48.7	
100-41-4	Ethylbenzene	54.4	
7816-60-0	m&p-Xylene	101	
95-47-6	o-Xylene	51.9	
100-42-5	Styrene	36.2	
75-25-2	Bromoform	44.2	
98-82-8	Isopropylbenzene	55.1	
	trans-1,4-Dichloro-2-butene	44.4	
108-86-1	Bromobenzene	54.8	
79-34-5	1,1,2,2-Tetrachloroethane	51.7	
96-18-4	1,2,3-Trichloropropane	45.4	
103-65-1	n-Propylbenzene	53.0	
95-49-8	2-Chlorotoluene	53.8	
106-43-4	4-Chlorotoluene	51.2	
108-67-8	1,3,5-Trimethylbenzene	39.1	
98-06-6	tert-Butylbenzene	44.1	
95-63-6	1,2,4-Trimethylbenzene	38.0	
135-98-8	sec-Butylbenzene	53.2	
541-73-1	1,3-Dichlorobenzene	52.7	
99-87-6	p-Isopropyltoluene	44.8	
106-46-7	1,4-Dichlorobenzene	47.1	
95-50-1	1,2-Dichlorobenzene	52.7	
104-51-8	n-Butylbenzene	45.7	
96-12-8	1,2-Dibromo-3-chloropropane	37.6	
120-82-1	1,2,4-Trichlorobenzene	42.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

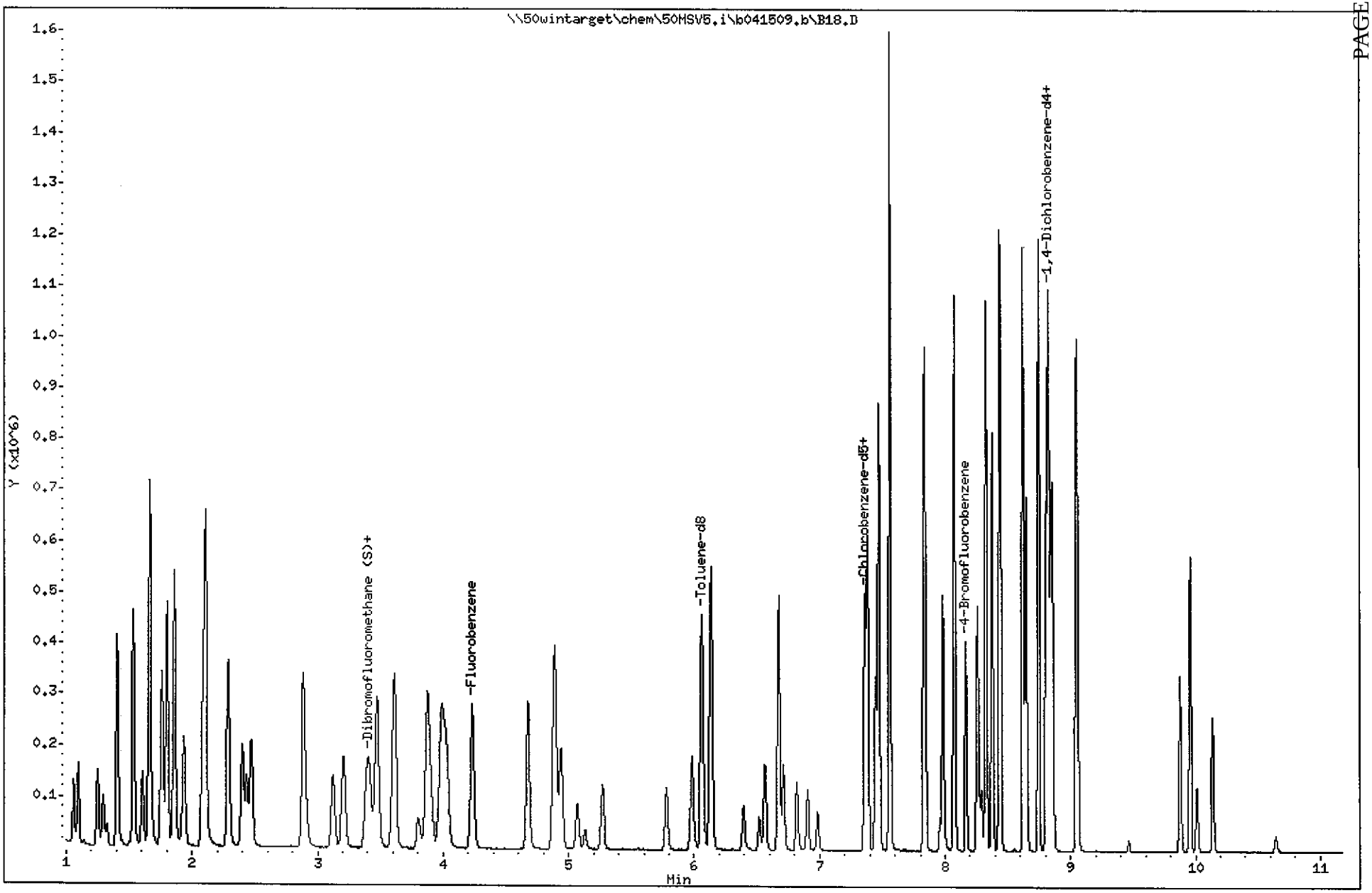
Client Name:
Lab Smp Id: 287394
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: ms014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	48.9	
91-20-3	Naphthalene	33.7	
87-61-6	1,2,3-Trichlorobenzene	46.4	
	2,methyl-naphthalene	41.2	
1868-53-7	Dibromofluoromethane (S)	49.7	
2037-26-5	Toluene-d8	51.2	
460-00-4	4-Bromofluorobenzene	51.1	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B18.D
Date : 15-APR-2009 21:48
Client ID: ms014
Sample Info: ms014
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B18.D

Date : 15-APR-2009 21:48

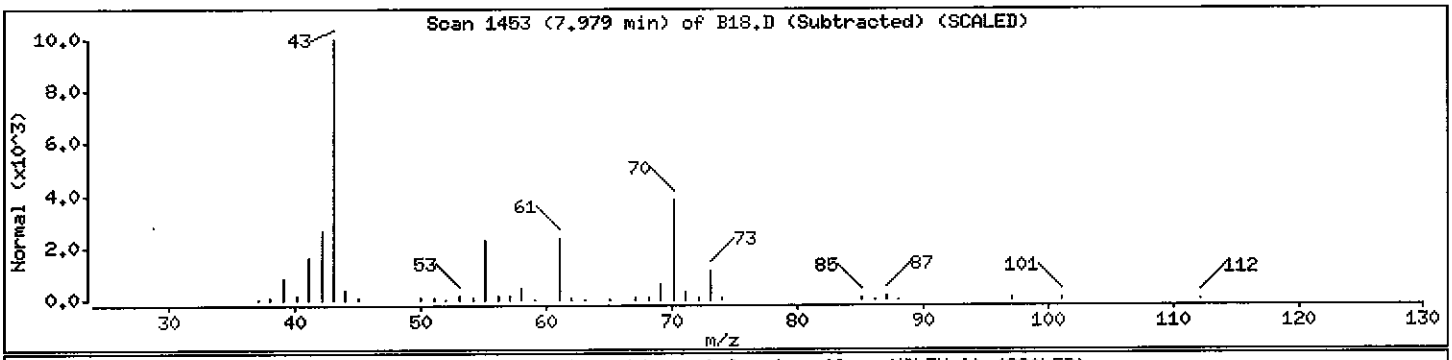
Client ID: ms014 | Instrument: 50MSV5.i

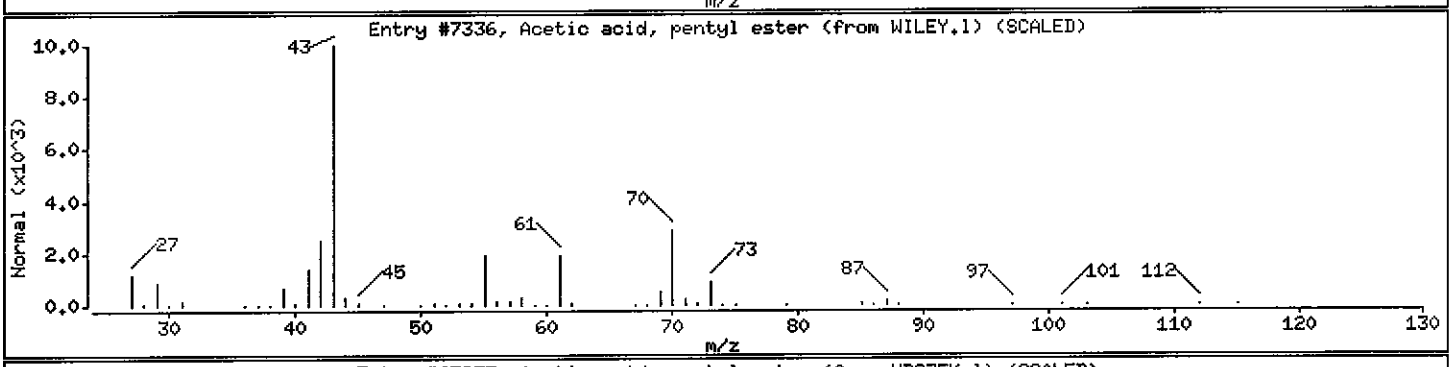
Sample Info: ms014

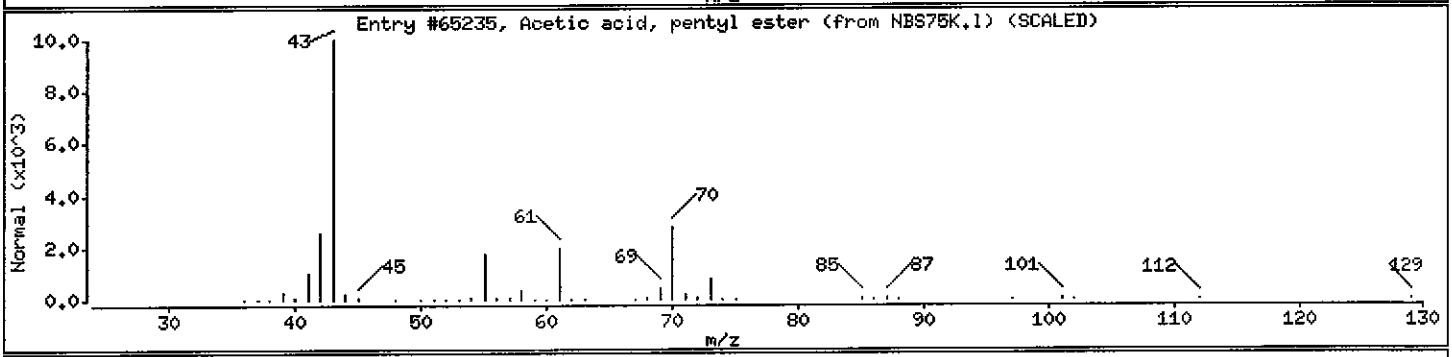
Purge Volume: 5.0 | Operator: ala

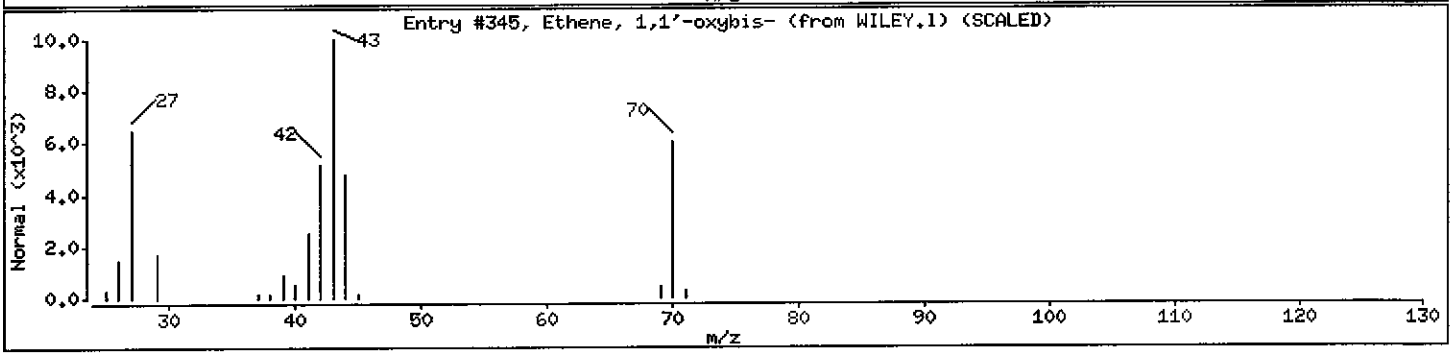
Column phase: DB-624 | Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H14O2	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65235	83	C7H14O2	130
Ethene, 1,1'-oxybis-	109-93-3	WILEY.l	345	43	C4H6O	70









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B19.D
Lab Smp Id: 287395 Client Smp ID: msd014
Inj Date : 15-APR-2009 22:25
Operator : ala Inst ID: 50MSV5.i
Smp Info : msd014
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 40 QC Sample: MSD
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	0.965	0.965	(0.228)	95209	49.2714	49.3
2 Chloromethane	50	1.054	1.054	(0.249)	97415	51.6074	51.6
3 Vinyl Chloride	62	1.096	1.096	(0.259)	97732	54.3738	54.4
4 Bromomethane	94	1.248	1.253	(0.295)	68634	56.9545	57.0
139 Methyl Acetate	43	1.860	1.865	(0.439)	29016	73.7284	73.7
5 Chloroethane	64	1.295	1.295	(0.306)	55733	54.1710	54.2
6 Trichlorofluoromethane	101	1.404	1.410	(0.332)	222164	59.8987	59.9
7 Diethyl ether	74	1.535	1.540	(0.363)	22375	47.6342	47.6
8 Acrolein	56	1.603	1.608	(0.379)	78288	1562.74	1560
9 1,1-Dichloroethene	96	1.661	1.666	(0.392)	83106	50.8192	50.8
10 1,1,2trichlorotrifluoroethane	101	1.656	1.661	(0.391)	114181	59.5360	59.5
11 Acetone	43	1.682	1.687	(0.397)	39100	217.239	217
12 Iodomethane	142	1.755	1.760	(0.415)	300594	103.244	103
13 Carbon Disulfide	76	1.797	1.797	(0.424)	424943	91.8885	91.9
142 Acetonitrile	41	1.854	1.859	(0.438)	235849		
14 allyl chloride	41	1.854	1.859	(0.438)	235849	94.5015	94.5
15 Methylene Chloride	84	1.933	1.933	(0.457)	71598	53.4579	53.4
16 Acrylonitrile	53	2.079	2.084	(0.491)	166579	907.806	908
17 tert-Butyl Alcohol	59	1.535	1.540	(0.363)	35341	95.3657	95.4
18 1,2-Dichloroethene (trans)	96	2.100	2.105	(0.496)	95657	52.1617	52.2
19 Methyl-tert-butyl ether	73	2.105	2.105	(0.497)	194446	89.9223	89.9
20 n-Hexane	57	2.283	2.288	(0.539)	144785	55.9894	56.0
21 1,1-Dichloroethane	63	2.398	2.398	(0.566)	153844	48.0304	48.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.430	2.435	(0.574)	173300	119.654	120
	143 Chloroprene	53	2.471	2.477	(0.584)	101753		
	24 2,2-Dichloropropane	77	2.890	2.895	(0.683)	51279	44.0236	44.0
	25 1,2-Dichloroethene (cis)	96	2.885	2.890	(0.681)	85788	49.3046	49.3
	26 2-Butanone	43	2.911	2.916	(0.688)	63369	212.713	213
	144 Methacrylonitrile	41	3.120	3.130	(0.737)	13978		
	28 1,2-dichlorotrifluoroethane	67	1.530	1.535	(0.361)	118894	57.4359	57.4
	29 Bromochloromethane	49	3.120	3.125	(0.737)	54159	50.3070	50.3
	31 Chloroform	83	3.209	3.214	(0.758)	132888	49.3197	49.3
$	32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	74089	49.9093	49.9
	33 1,1,1-Trichloroethane	97	3.413	3.413	(0.806)	98351	44.4578	44.4
	35 Carbon Tetrachloride	117	3.606	3.612	(0.852)	91003	45.9065	45.9
	36 1,1-Dichloropropene	75	3.606	3.612	(0.852)	113289	49.0187	49.0
	37 Isobutyl alcohol	43	4.025	4.030	(0.951)	258474	195.714	196(R)
	140 Cyclohexane	56	3.470	3.476	(0.820)	156570	51.9585	52.0
	38 Benzene	78	3.873	3.878	(0.915)	295211	51.9602	52.0
	39 1,2-Dichloroethane	62	3.899	3.904	(0.921)	67755	49.8647	49.9
	138 2,2,4-Trimethylpentane	57	3.988	3.993	(0.942)	336444	48.2309	48.2
	141 Methylcyclohexane	55	4.888	4.893	(1.154)	125073	49.4476	49.4
*	40 Fluorobenzene	96	4.234	4.239	(1.000)	299682	50.0000	
	41 Trichloroethene	95	4.673	4.678	(1.104)	89942	48.6321	48.6
	42 1,2-Dichloropropane	63	4.935	4.940	(1.166)	71520	52.8201	52.8
	43 Dibromomethane	93	5.066	5.076	(1.196)	28969	51.0940	51.1
	44 Methyl methacrylate	69	5.134	5.134	(1.212)	11467	36.6689	36.7
	45 Bromodichloromethane	83	5.270	5.269	(1.245)	75122	47.9157	47.9
	145 1,4-Dioxane	88	5.128	5.134	(1.211)	4833		
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	58786	42.0647	42.1
	48 4-Methyl-2-Pentanone	43	5.981	5.986	(0.812)	113565	214.286	214
$	49 Toluene-d8	98	6.059	6.064	(0.823)	293106	50.7649	50.8
	50 Toluene	91	6.133	6.138	(0.833)	345747	48.8077	48.8
	51 trans-1,3-Dichloropropene	75	6.394	6.399	(0.869)	33652	40.0843	40.1
	52 Ethyl Methacrylate	69	6.520	6.525	(0.886)	23555	35.6136	35.6
	53 1,1,2-Trichloroethane	83	6.562	6.567	(0.891)	33429	52.1949	52.2
	54 Tetrachloroethene	166	6.677	6.682	(0.907)	108781	46.5627	46.6
	55 1,3-Dichloropropane	76	6.713	6.718	(0.912)	64354	50.5711	50.6
	56 2-Hexanone	43	6.818	6.823	(0.926)	71784	219.511	220
	57 Dibromochloromethane	129	6.901	6.907	(0.937)	46089	48.3610	48.4
	58 1,2-Dibromoethane	107	6.985	6.990	(0.949)	35661	47.5897	47.6
*	59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	188731	50.0000	
	60 Chlorobenzene	112	7.383	7.383	(1.003)	228083	53.7934	53.8
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.451	(1.011)	55148	46.2244	46.2
	62 Ethylbenzene	106	7.472	7.477	(1.015)	134327	51.4592	51.4
	63 m&p-Xylene	106	7.560	7.560	(1.027)	323762	95.3102	95.3
	65 o-Xylene	106	7.827	7.832	(1.063)	147992	49.5145	49.5
	66 Styrene	104	7.843	7.843	(1.065)	126434	30.2474	30.2
	67 Bromoform	173	7.958	7.958	(0.900)	17512	42.3672	42.4
	68 Isopropylbenzene	105	8.073	8.073	(1.097)	435462	53.2779	53.3
	69 trans-1,4-Dichloro-2-butene	53	8.298	8.298	(1.127)	5856	43.0145	43.0
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	78676	50.7172	50.7
	71 Bromobenzene	77	8.256	8.256	(1.121)	100839	51.9979	52.0
	72 1,1,2,2-Tetrachloroethane	83	8.267	8.266	(0.935)	36696	48.7260	48.7
	73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	29075	42.6505	42.6
	74 n-Propylbenzene	91	8.329	8.329	(0.942)	505615	51.5042	51.5
	75 2-Chlorotoluene	91	8.376	8.376	(0.947)	263519	52.1631	52.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
76 4-Chlorotoluene	126	8.439	8.444	(0.954)	100706	48.4927	48.5
77 1,3,5-Trimethylbenzene	105	8.429	8.434	(0.953)	244318	35.9322	35.9
78 tert-Butylbenzene	119	8.622	8.622	(0.975)	380077	46.1364	46.1
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	215270	34.0731	34.1
80 sec-Butylbenzene	105	8.743	8.748	(0.989)	499121	51.4364	51.4
81 1,3-Dichlorobenzene	146	8.805	8.810	(0.996)	180570	51.5744	51.6
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	101207	50.0000	
83 p-Isopropyltoluene	119	8.821	8.826	(0.998)	377094	43.0479	43.0
84 1,4-Dichlorobenzene	146	8.858	8.857	(1.002)	157425	45.4444	45.4
85 1,2-Dichlorobenzene	146	9.062	9.061	(1.025)	146771	51.6738	51.7
86 n-Butylbenzene	91	9.041	9.046	(1.022)	317995	44.4515	44.4
87 1,2-Dibromo-3-chloropropane	155	9.464	9.469	(1.070)	2588	35.5609	35.6
88 1,2,4-Trichlorobenzene	180	9.877	9.883	(1.117)	71995	41.7030	41.7
89 Hexachlorobutadiene	225	9.956	9.961	(1.126)	74434	47.7343	47.7
90 Naphthalene	128	10.013	10.019	(1.132)	72181	31.1390	31.1
91 1,2,3-Trichlorobenzene	180	10.139	10.144	(1.147)	60205	43.8609	43.9
92 2,methyl-naphthalene	142	10.646	10.651	(1.204)	13067	39.9850	40.0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B19.D
Lab Smp Id: 287395
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: msd014
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	299682	-13.02
59 Chlorobenzene-d5	214804	107402	429608	188731	-12.14
82 1,4-Dichlorobenze	110737	55369	221474	101207	-8.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287395
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: msd014
Operator: ala
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	49.3	98.54	30-163
2 Chloromethane	50.0	51.6	103.21	36-136
3 Vinyl Chloride	50.0	54.4	108.75	51-144
4 Bromomethane	50.0	57.0	113.91	30-170
5 Chloroethane	50.0	54.2	108.34	54-157
6 Trichlorofluoromet	50.0	59.9	119.80	53-162
28 1,2-dichlorotriflu	50.0	57.4	114.87	50-150
7 Diethyl ether	50.0	47.6	95.27	70-130
8 Acrolein	1000	1560	156.27	30-170
9 1,1-Dichloroethene	50.0	50.8	101.64	55-140
10 1,1,2trichlorotrif	50.0	59.5	119.07	50-150
11 Acetone	250	217	86.90	30-170
12 Iodomethane	100	103	103.24	28-168
13 Carbon Disulfide	100	91.9	91.89	46-162
139 Methyl Acetate	50.0	73.7	147.46	40-182
14 allyl chloride	100	94.5	94.50	39-155
15 Methylene Chloride	50.0	53.4	106.92	46-154
16 Acrylonitrile	1000	908	90.78	66-137
27 Propionitrile	50.0	0.000	*	50-150
17 tert-Butyl Alcohol	100	95.4	95.37	50-150
18 1,2-Dichloroethene	50.0	52.2	104.32	60-137
19 Methyl-tert-butyl	100	89.9	89.92	52-156
20 n-Hexane	50.0	56.0	111.98	32-176
21 1,1-Dichloroethane	50.0	48.0	96.06	68-139
23 Vinyl Acetate	200	120	59.83	24-132
25 1,2-Dichloroethene	50.0	49.3	98.61	65-132
24 2,2-Dichloropropan	50.0	44.0	88.05	35-157
26 2-Butanone	250	213	85.09	62-132
29 Bromochloromethane	50.0	50.3	100.61	65-157
30 Tetrahydrofuran	50.0	0.000	*	50-150
31 Chloroform	50.0	49.3	98.64	67-134
33 1,1,1-Trichloroeth	50.0	44.4	88.92	64-143
140 Cyclohexane	50.0	52.0	103.92	39-167
37 Isobutyl alcohol	50.0	196	391.43*	50-150
36 1,1-Dichloropropen	50.0	49.0	98.04	66-140
35 Carbon Tetrachlori	50.0	45.9	91.81	54-145
38 Benzene	50.0	52.0	103.92	63-141
39 1,2-Dichloroethane	50.0	49.9	99.73	63-148
41 Trichloroethene	50.0	48.6	97.26	61-137
141 Methylcyclohexane	50.0	49.4	98.90	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	52.8	105.64	70-136
43 Dibromomethane	50.0	51.1	102.19	67-144
44 Methyl methacrylat	50.0	36.7	73.34	50-150
45 Bromodichlorometha	50.0	47.9	95.83	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	42.1	84.13	46-121
48 4-Methyl-2-Pentano	250	214	85.71	57-135
50 Toluene	50.0	48.8	97.62	59-142
51 trans-1,3-Dichloro	50.0	40.1	80.17	43-117
52 Ethyl Methacrylate	50.0	35.6	71.23	52-140
53 1,1,2-Trichloroeth	50.0	52.2	104.39	71-143
54 Tetrachloroethene	50.0	46.6	93.13	25-146
55 1,3-Dichloropropan	50.0	50.6	101.14	65-133
56 2-Hexanone	250	220	87.80	61-141
57 Dibromochlorometha	50.0	48.4	96.72	64-124
58 1,2-Dibromoethane	50.0	47.6	95.18	67-134
60 Chlorobenzene	50.0	53.8	107.59	56-133
61 1,1,1,2-Tetrachlor	50.0	46.2	92.45	55-131
62 Ethylbenzene	50.0	51.4	102.92	44-151
63 m&p-Xylene	100	95.3	95.31	41-153
65 o-Xylene	50.0	49.5	99.03	52-139
66 Styrene	50.0	30.2	60.49	38-141
67 Bromoform	50.0	42.4	84.73	58-124
68 Isopropylbenzene	50.0	53.3	106.56	40-148
69 trans-1,4-Dichloro	50.0	43.0	86.03	44-139
72 1,1,2,2-Tetrachlor	50.0	48.7	97.45	64-142
71 Bromobenzene	50.0	52.0	104.00	57-128
73 1,2,3-Trichloropro	50.0	42.6	85.30	33-140
74 n-Propylbenzene	50.0	51.5	103.01	40-148
75 2-Chlorotoluene	50.0	52.2	104.33	44-143
76 4-Chlorotoluene	50.0	48.5	96.99	43-140
77 1,3,5-Trimethylben	50.0	35.9	71.86	39-145
78 tert-Butylbenzene	50.0	46.1	92.27	32-133
79 1,2,4-Trimethylben	50.0	34.1	68.15	39-146
80 sec-Butylbenzene	50.0	51.4	102.87	38-150
81 1,3-Dichlorobenzen	50.0	51.6	103.15	40-143
83 p-Isopropyltoluene	50.0	43.0	86.10	34-146
84 1,4-Dichlorobenzen	50.0	45.4	90.89	38-142
86 n-Butylbenzene	50.0	44.4	88.90	27-153
85 1,2-Dichlorobenzen	50.0	51.7	103.35	48-137
88 1,2,4-Trichloroben	50.0	41.7	83.41	39-146
91 1,2,3-Trichloroben	50.0	43.9	87.72	33-140
87 1,2-Dibromo-3-chlo	50.0	35.6	71.12	39-140
89 Hexachlorobutadien	50.0	47.7	95.47	30-145
90 Naphthalene	50.0	31.1	62.28	44-138
92 2,methyl-naphthale	50.0	40.0	79.97	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.9	99.82	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	50.8	101.53	80-116
$ 70 4-Bromofluorobenze	50.0	50.7	101.43	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287395
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: msd014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	49.3	
74-87-3	Chloromethane	51.6	
75-01-4	Vinyl Chloride	54.4	
74-83-9	Bromomethane	57.0	
79-20-9	Methyl Acetate	73.7	
75-00-3	Chloroethane	54.2	
75-69-4	Trichlorofluoromethane	59.9	
60-29-7	Diethyl ether	47.6	
107-02-8	Acrolein	1560	
75-35-4	1,1-Dichloroethene	50.8	
76-13-1	1,1,2trichlorotrifluoroethan	59.5	
67-64-1	Acetone	217	
	Iodomethane	103	
75-15-0	Carbon Disulfide	91.9	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	94.5	
75-09-2	Methylene Chloride	53.4	
107-13-1	Acrylonitrile	908	
75-65-0	tert-Butyl Alcohol	95.4	
156-60-5	1,2-Dichloroethene (trans)	52.2	
1634-04-4	Methyl-tert-butyl ether	89.9	
	n-Hexane	56.0	
75-34-3	1,1-Dichloroethane	48.0	
108-05-4	Vinyl Acetate	120	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	44.0	
156-59-2	1,2-Dichloroethene (cis)	49.3	
78-93-3	2-Butanone	213	
126-98-7	Methacrylonitrile	0.000	
354-23-4	1,2-dichlorotrifluoroethane	57.4	
74-97-5	Bromochloromethane	50.3	
67-66-3	Chloroform	49.3	
71-55-6	1,1,1-Trichloroethane	44.4	
56-23-5	Carbon Tetrachloride	45.9	
563-58-6	1,1-Dichloropropene	49.0	
78-83-1	Isobutyl alcohol	196	
110-82-7	Cyclohexane	52.0	
71-43-2	Benzene	52.0	
107-06-2	1,2-Dichloroethane	49.9	
540-84-1	2,2,4-Trimethylpentane	48.2	
108-82-7	Methylcyclohexane	49.4	
79-01-6	Trichloroethene	48.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287395
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: msd014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	52.8	
74-95-3	Dibromomethane	51.1	
80-62-6	Methyl methacrylate	36.7	
75-27-4	Bromodichloromethane	47.9	
	1,4-Dioxane	0.000	
10061-01-5	cis-1,3-Dichloropropene	42.1	
108-10-1	4-Methyl-2-Pentanone	214	
108-88-3	Toluene	48.8	
10061-02-6	trans-1,3-Dichloropropene	40.1	
	Ethyl Methacrylate	35.6	
79-00-5	1,1,2-Trichloroethane	52.2	
127-18-4	Tetrachloroethene	46.6	
142-28-9	1,3-Dichloropropane	50.6	
591-78-6	2-Hexanone	220	
124-48-1	Dibromochloromethane	48.4	
106-93-4	1,2-Dibromoethane	47.6	
108-90-7	Chlorobenzene	53.8	
630-20-6	1,1,1,2-Tetrachloroethane	46.2	
100-41-4	Ethylbenzene	51.4	
7816-60-0	m&p-Xylene	95.3	
95-47-6	o-Xylene	49.5	
100-42-5	Styrene	30.2	
75-25-2	Bromoform	42.4	
98-82-8	Isopropylbenzene	53.3	
	trans-1,4-Dichloro-2-butene	43.0	
108-86-1	Bromobenzene	52.0	
79-34-5	1,1,2,2-Tetrachloroethane	48.7	
96-18-4	1,2,3-Trichloropropane	42.6	
103-65-1	n-Propylbenzene	51.5	
95-49-8	2-Chlorotoluene	52.2	
106-43-4	4-Chlorotoluene	48.5	
108-67-8	1,3,5-Trimethylbenzene	35.9	
98-06-6	tert-Butylbenzene	46.1	
95-63-6	1,2,4-Trimethylbenzene	34.1	
135-98-8	sec-Butylbenzene	51.4	
541-73-1	1,3-Dichlorobenzene	51.6	
99-87-6	p-Isopropyltoluene	43.0	
106-46-7	1,4-Dichlorobenzene	45.4	
95-50-1	1,2-Dichlorobenzene	51.7	
104-51-8	n-Butylbenzene	44.4	
96-12-8	1,2-Dibromo-3-chloropropane	35.6	
120-82-1	1,2,4-Trichlorobenzene	41.7	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

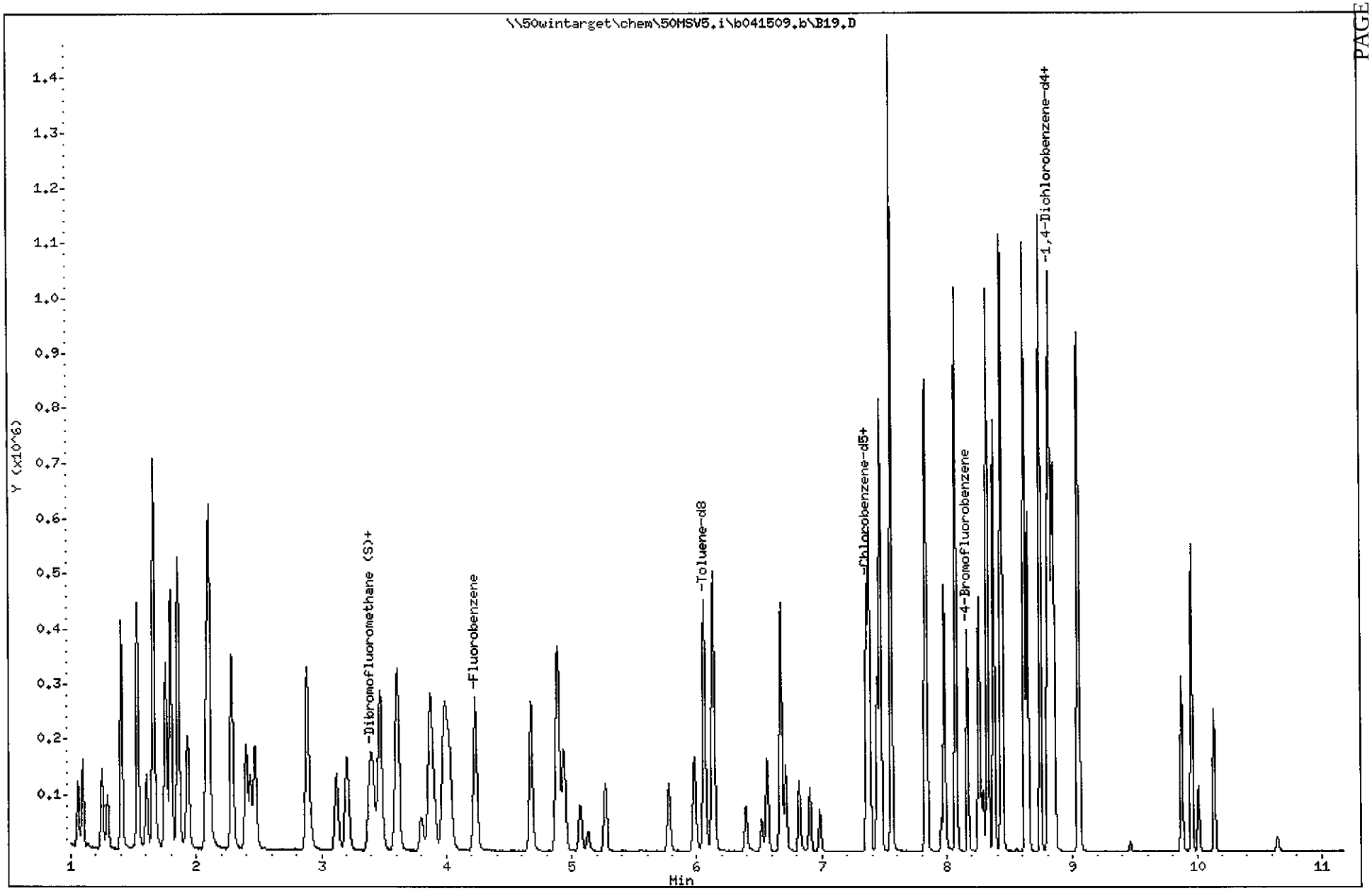
Client Name:
Lab Smp Id: 287395
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: msd014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	47.7	
91-20-3	Naphthalene	31.1	
87-61-6	1,2,3-Trichlorobenzene	43.9	
	2,methyl-naphthalene	40.0	
1868-53-7	Dibromofluoromethane (S)	49.9	
2037-26-5	Toluene-d8	50.8	
460-00-4	4-Bromofluorobenzene	50.7	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B19.D
Date : 15-APR-2009 22:25
Client ID: msd014
Sample Info: msd014
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B19.D

Date : 15-APR-2009 22:25

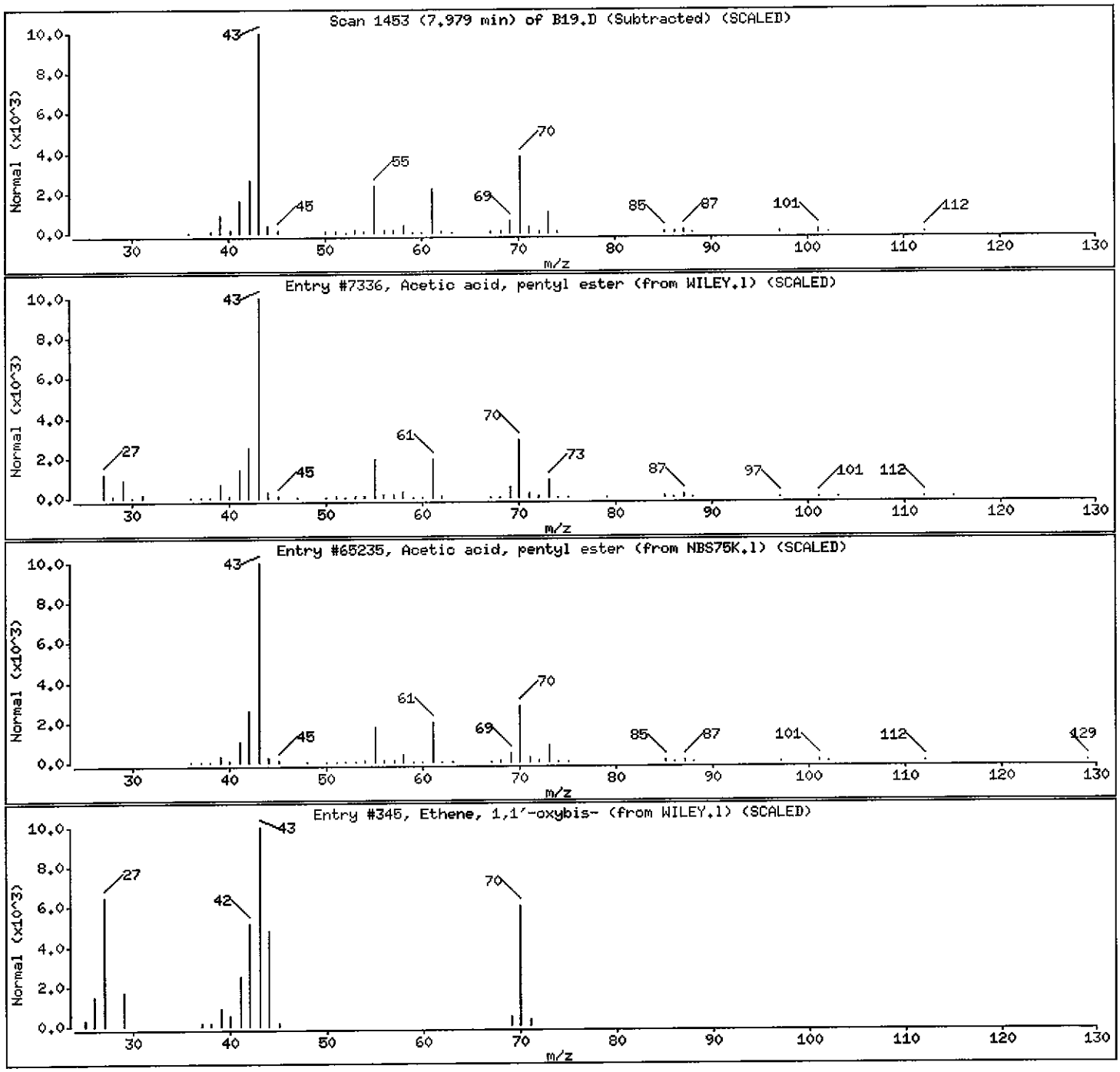
Client ID: msd014 | Instrument: 50MSV5.i

Sample Info: msd014

Purge Volume: 5.0 | Operator: ala

Column phase: DB-624 | Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H14O2	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65235	83	C7H14O2	130
Ethene, 1,1'-oxybis-	109-93-3	WILEY.l	345	43	C4H6O	70



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A10.D
Lab Smp Id: 287390 Client Smp ID: ms015
Inj Date : 15-APR-2009 16:38
Operator : ala Inst ID: 50MSV5.i
Smp Info : ms015
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 21 QC Sample: MS
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	0.970	0.970	(0.229)	87411	46.6638	46.7
2 Chloromethane	50	1.065	1.064	(0.251)	105740	51.7589	51.8
3 Vinyl Chloride	62	1.101	1.101	(0.260)	100040	50.4631	50.5
4 Bromomethane	94	1.258	1.253	(0.297)	75837	54.9941	55.0
139 Methyl Acetate	43	2.111	2.105	(0.498)	41271	44.4200	44.4
5 Chloroethane	64	1.295	1.295	(0.305)	59830	55.0723	55.1
6 Trichlorofluoromethane	101	1.415	1.415	(0.334)	219534	55.0500	55.0
7 Diethyl ether	74	1.546	1.546	(0.365)	35255	51.9354	51.9
8 Acrolein	56	1.614	1.614	(0.381)	175427	1994.91	1990(R)
9 1,1-Dichloroethene	96	1.671	1.671	(0.394)	87998	48.7627	48.8
10 1,1,2trichlorotrifluoroethane	101	1.666	1.661	(0.393)	113239	57.3162	57.3
11 Acetone	43	1.692	1.692	(0.399)	76638	248.040	248
12 Iodomethane	142	1.765	1.765	(0.417)	339999	104.496	104
13 Carbon Disulfide	76	1.807	1.807	(0.426)	448397	93.6523	93.6
142 Acetonitrile	41	1.865	1.865	(0.440)	259137		
14 allyl chloride	41	1.865	1.865	(0.440)	259137	92.0714	92.1
15 Methylene Chloride	84	1.938	1.938	(0.457)	90530	52.7370	52.7
16 Acrylonitrile	53	2.090	2.090	(0.493)	352251	1015.93	1020
17 tert-Butyl Alcohol	59	1.546	1.546	(0.365)	56353	106.583	106
18 1,2-Dichloroethene (trans)	96	2.111	2.110	(0.498)	99054	50.2363	50.2
19 Methyl-tert-butyl ether	73	2.111	2.110	(0.498)	186867	92.5521	92.6
20 n-Hexane	57	2.294	2.294	(0.541)	146297	53.2952	53.3
21 1,1-Dichloroethane	63	2.404	2.403	(0.567)	152232	45.2044	45.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.440	2.440	(0.576)	299301	133.056	133
	143 Chloroprene	53	2.477	2.477	(0.584)	99616		
	24 2,2-Dichloropropane	77	2.900	2.895	(0.684)	39774	37.0688	37.1
	144 Methacrylonitrile	41	3.188	3.188	(0.752)	19281		
	25 1,2-Dichloroethene (cis)	96	2.895	2.895	(0.683)	102321	50.3623	50.4
	26 2-Butanone	43	2.916	2.916	(0.688)	112531	249.866	250
	28 1,2-dichlorotrifluoroethane	67	1.541	1.540	(0.363)	121313	51.7199	51.7
	29 Bromochloromethane	49	3.136	3.136	(0.740)	78299	53.2887	53.3
	30 Tetrahydrofuran	42	3.193	3.188	(0.753)	30878	1.15613	1.16(R)
	31 Chloroform	83	3.219	3.219	(0.759)	158329	47.4290	47.4
$	32 Dibromofluoromethane (S)	113	3.397	3.397	(0.801)	100598	49.4735	49.5
	33 1,1,1-Trichloroethane	97	3.418	3.418	(0.806)	97265	42.3476	42.3
	35 Carbon Tetrachloride	117	3.617	3.617	(0.853)	89063	43.0176	43.0
	36 1,1-Dichloropropene	75	3.617	3.617	(0.853)	118563	51.6196	51.6
	37 Isobutyl alcohol	43	2.916	2.916	(0.688)	112531	49.9739	50.0
	140 Cyclohexane	56	3.481	3.481	(0.821)	161523	54.0837	54.1
	38 Benzene	78	3.878	3.883	(0.915)	339999	50.7616	50.8
	39 1,2-Dichloroethane	62	3.910	3.910	(0.922)	103713	53.7006	53.7
	138 2,2,4-Trimethylpentane	57	3.999	4.004	(0.943)	358404	52.2113	52.2
	141 Methylcyclohexane	55	4.898	4.898	(1.155)	127832	48.7924	48.8
*	40 Fluorobenzene	96	4.239	4.239	(1.000)	375065	50.0000	
	41 Trichloroethene	95	4.684	4.684	(1.105)	100313	50.3641	50.4
	42 1,2-Dichloropropane	63	4.940	4.945	(1.165)	91043	53.3701	53.4
	43 Dibromomethane	93	5.076	5.076	(1.197)	45790	53.7130	53.7
	44 Methyl methacrylate	69	5.134	5.134	(1.211)	26807	46.9649	47.0
	147 1,4-Dioxane	88	5.134	5.139	(1.211)	9744		
	45 Bromodichloromethane	83	5.275	5.275	(1.244)	101749	52.0775	52.1
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	85470	42.2997	42.3
	48 4-Methyl-2-Pentanone	43	5.981	5.981	(0.812)	230960	249.198	249
$	49 Toluene-d8	98	6.065	6.070	(0.824)	375944	51.1590	51.2
	50 Toluene	91	6.138	6.138	(0.834)	402320	49.0749	49.1
	51 trans-1,3-Dichloropropene	75	6.399	6.399	(0.869)	56573	41.9701	42.0
	52 Ethyl Methacrylate	69	6.525	6.525	(0.886)	53527	46.7286	46.7
	53 1,1,2-Trichloroethane	83	6.567	6.567	(0.892)	53961	58.3585	58.4
	54 Tetrachloroethene	166	6.677	6.682	(0.907)	120300	45.7816	45.8
	55 1,3-Dichloropropane	76	6.713	6.718	(0.912)	102376	56.6718	56.7
	56 2-Hexanone	43	6.818	6.823	(0.926)	149668	252.252	252
	57 Dibromochloromethane	129	6.907	6.907	(0.938)	73236	49.7068	49.7
	58 1,2-Dibromoethane	107	6.990	6.990	(0.950)	61553	52.0304	52.0
*	59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	255459	50.0000	
	60 Chlorobenzene	112	7.383	7.383	(1.003)	290614	54.5362	54.5
	61 1,1,1,2-Tetrachloroethane	131	7.451	7.451	(1.012)	75981	47.6914	47.7
	62 Ethylbenzene	106	7.472	7.477	(1.015)	152993	53.3973	53.4
	63 m&p-Xylene	106	7.561	7.560	(1.027)	389727	103.025	103
	65 o-Xylene	106	7.833	7.832	(1.064)	182305	53.2401	53.2
	66 Styrene	104	7.843	7.843	(1.065)	255976	45.8066	45.8
	67 Bromoform	173	7.958	7.963	(0.900)	32892	46.5920	46.6
	68 Isopropylbenzene	105	8.434	8.434	(1.146)	341147	44.7346	44.7
	69 trans-1,4-Dichloro-2-butene	53	8.298	8.303	(1.127)	10313	45.2499	45.2(Q)
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	110836	50.8133	50.8
	71 Bromobenzene	77	8.256	8.256	(1.121)	141162	54.1682	54.2
	72 1,1,2,2-Tetrachloroethane	83	8.267	8.266	(0.934)	68007	54.9918	55.0
	73 1,2,3-Trichloropropane	75	8.288	8.287	(0.937)	54869	52.0234	52.0
	74 n-Propylbenzene	91	8.329	8.329	(0.941)	551004	52.1408	52.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	308485	51.0798	51.1
76 4-Chlorotoluene	126	8.444	8.444	(0.954)	125511	51.1126	51.1
77 1,3,5-Trimethylbenzene	105	8.434	8.434	(0.953)	341147	44.6108	44.6
78 tert-Butylbenzene	119	8.622	8.622	(0.975)	418710	48.3290	48.3
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	333890	45.9765	46.0
80 sec-Butylbenzene	105	8.748	8.748	(0.989)	531464	53.9236	53.9
81 1,3-Dichlorobenzene	146	8.811	8.810	(0.996)	239750	53.9138	53.9
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	145039	50.0000	
83 p-Isopropyltoluene	119	8.622	8.622	(0.975)	418710	48.3290	48.3
84 1,4-Dichlorobenzene	146	8.858	8.857	(1.001)	218017	46.8745	46.9
85 1,2-Dichlorobenzene	146	9.062	9.061	(1.024)	210407	53.9375	53.9
86 n-Butylbenzene	91	9.046	9.046	(1.022)	366007	45.5222	45.5
87 1,2-Dibromo-3-chloropropane	155	9.464	9.469	(1.070)	6008	44.5725	44.6
88 1,2,4-Trichlorobenzene	180	9.878	9.883	(1.116)	126203	50.9015	50.9
89 Hexachlorobutadiene	225	9.961	9.961	(1.126)	84513	49.1347	49.1
90 Naphthalene	128	10.014	10.019	(1.132)	176432	44.4299	44.4
91 1,2,3-Trichlorobenzene	180	10.139	10.144	(1.146)	112241	54.5387	54.5
92 2,methyl-naphthalene	142	10.646	10.651	(1.203)	80095	44.2343	44.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A10.D
Lab Smp Id: 287390
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: ms015
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	375065	0.37
59 Chlorobenzene-d5	255255	127628	510510	255459	0.08
82 1,4-Dichlorobenze	136223	68112	272446	145039	6.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287390
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: ms015
Operator: ala
SampleType: MS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1	Dichlorodifluorome	50.0	46.7	93.33	30-163
2	Chloromethane	50.0	51.8	103.52	36-136
3	Vinyl Chloride	50.0	50.5	100.93	51-144
4	Bromomethane	50.0	55.0	109.99	30-170
5	Chloroethane	50.0	55.1	110.14	54-157
6	Trichlorofluoromet	50.0	55.0	110.10	53-162
28	1,2-dichlorotriflu	50.0	51.7	103.44	50-150
7	Diethyl ether	50.0	51.9	103.87	70-130
8	Acrolein	1000	1990	199.49*	30-170
9	1,1-Dichloroethene	50.0	48.8	97.53	55-140
10	1,1,2trichlorotrif	50.0	57.3	114.63	50-150
11	Acetone	250	248	99.22	30-170
12	Iodomethane	100	104	104.50	28-168
13	Carbon Disulfide	100	93.6	93.65	46-162
139	Methyl Acetate	50.0	44.4	88.84	40-182
14	allyl chloride	100	92.1	92.07	39-155
15	Methylene Chloride	50.0	52.7	105.47	46-154
16	Acrylonitrile	1000	1020	101.59	66-137
27	Propionitrile	50.0	0.000	*	50-150
17	tert-Butyl Alcohol	100	106	106.58	50-150
18	1,2-Dichloroethene	50.0	50.2	100.47	60-137
19	Methyl-tert-butyl	100	92.6	92.55	52-156
20	n-Hexane	50.0	53.3	106.59	32-176
21	1,1-Dichloroethane	50.0	45.2	90.41	68-139
23	Vinyl Acetate	200	133	66.53	24-132
25	1,2-Dichloroethene	50.0	50.4	100.72	65-132
24	2,2-Dichloropropan	50.0	37.1	74.14	35-157
26	2-Butanone	250	250	99.95	62-132
29	Bromochloromethane	50.0	53.3	106.58	65-157
30	Tetrahydrofuran	50.0	1.16	2.31*	50-150
31	Chloroform	50.0	47.4	94.86	67-134
33	1,1,1-Trichloroeth	50.0	42.3	84.70	64-143
140	Cyclohexane	50.0	54.1	108.17	39-167
37	Isobutyl alcohol	50.0	50.0	99.95	50-150
36	1,1-Dichloropropen	50.0	51.6	103.24	66-140
35	Carbon Tetrachlori	50.0	43.0	86.04	54-145
38	Benzene	50.0	50.8	101.52	63-141
39	1,2-Dichloroethane	50.0	53.7	107.40	63-148
41	Trichloroethene	50.0	50.4	100.73	61-137
141	Methylcyclohexane	50.0	48.8	97.58	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	53.4	106.74	70-136
43 Dibromomethane	50.0	53.7	107.43	67-144
44 Methyl methacrylat	50.0	47.0	93.93	50-150
45 Bromodichlorometha	50.0	52.1	104.15	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	42.3	84.60	46-121
48 4-Methyl-2-Pentano	250	249	99.68	57-135
50 Toluene	50.0	49.1	98.15	59-142
51 trans-1,3-Dichloro	50.0	42.0	83.94	43-117
52 Ethyl Methacrylate	50.0	46.7	93.46	52-140
53 1,1,2-Trichloroeth	50.0	58.4	116.72	71-143
54 Tetrachloroethene	50.0	45.8	91.56	25-146
55 1,3-Dichloropropan	50.0	56.7	113.34	65-133
56 2-Hexanone	250	252	100.90	61-141
57 Dibromochlorometha	50.0	49.7	99.41	64-124
58 1,2-Dibromoethane	50.0	52.0	104.06	67-134
60 Chlorobenzene	50.0	54.5	109.07	56-133
61 1,1,1,2-Tetrachlor	50.0	47.7	95.38	55-131
62 Ethylbenzene	50.0	53.4	106.79	44-151
63 m&p-Xylene	100	103	103.02	41-153
65 o-Xylene	50.0	53.2	106.48	52-139
66 Styrene	50.0	45.8	91.61	38-141
67 Bromoform	50.0	46.6	93.18	58-124
68 Isopropylbenzene	50.0	44.7	89.47	40-148
69 trans-1,4-Dichloro	50.0	45.2	90.50	44-139
72 1,1,2,2-Tetrachlor	50.0	55.0	109.98	64-142
71 Bromobenzene	50.0	54.2	108.34	57-128
73 1,2,3-Trichloropro	50.0	52.0	104.05	33-140
74 n-Propylbenzene	50.0	52.1	104.28	40-148
75 2-Chlorotoluene	50.0	51.1	102.16	44-143
76 4-Chlorotoluene	50.0	51.1	102.23	43-140
77 1,3,5-Trimethylben	50.0	44.6	89.22	39-145
78 tert-Butylbenzene	50.0	48.3	96.66	32-133
79 1,2,4-Trimethylben	50.0	46.0	91.95	39-146
80 sec-Butylbenzene	50.0	53.9	107.85	38-150
81 1,3-Dichlorobenzen	50.0	53.9	107.83	40-143
83 p-Isopropyltoluene	50.0	48.3	96.66	34-146
84 1,4-Dichlorobenzen	50.0	46.9	93.75	38-142
86 n-Butylbenzene	50.0	45.5	91.04	27-153
85 1,2-Dichlorobenzen	50.0	53.9	107.88	48-137
88 1,2,4-Trichloroben	50.0	50.9	101.80	39-146
91 1,2,3-Trichloroben	50.0	54.5	109.08	33-140
87 1,2-Dibromo-3-chlo	50.0	44.6	89.14	39-140
89 Hexachlorobutadien	50.0	49.1	98.27	30-145
90 Naphthalene	50.0	44.4	88.86	44-138
92 2,methyl-naphthale	50.0	44.2	88.47	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.5	98.95	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	51.2	102.32	80-116
$ 70 4-Bromofluorobenze	50.0	50.8	101.63	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287390
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: ms015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	46.7	
74-87-3	Chloromethane	51.8	
75-01-4	Vinyl Chloride	50.5	
74-83-9	Bromomethane	55.0	
79-20-9	Methyl Acetate	44.4	
75-00-3	Chloroethane	55.1	
75-69-4	Trichlorofluoromethane	55.0	
60-29-7	Diethyl ether	51.9	
107-02-8	Acrolein	1990	
75-35-4	1,1-Dichloroethene	48.8	
76-13-1	1,1,2trichlorotrifluoroethan	57.3	
67-64-1	Acetone	248	
	Iodomethane	104	
75-15-0	Carbon Disulfide	93.6	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	92.1	
75-09-2	Methylene Chloride	52.7	
107-13-1	Acrylonitrile	1020	
75-65-0	tert-Butyl Alcohol	106	
156-60-5	1,2-Dichloroethene (trans)	50.2	
1634-04-4	Methyl-tert-butyl ether	92.6	
	n-Hexane	53.3	
75-34-3	1,1-Dichloroethane	45.2	
108-05-4	Vinyl Acetate	133	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	37.1	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	50.4	
78-93-3	2-Butanone	250	
354-23-4	1,2-dichlorotrifluoroethane	51.7	
74-97-5	Bromochloromethane	53.3	
	Tetrahydrofuran	1.16	
67-66-3	Chloroform	47.4	
71-55-6	1,1,1-Trichloroethane	42.3	
56-23-5	Carbon Tetrachloride	43.0	
563-58-6	1,1-Dichloropropene	51.6	
78-83-1	Isobutyl alcohol	50.0	
110-82-7	Cyclohexane	54.1	
71-43-2	Benzene	50.8	
107-06-2	1,2-Dichloroethane	53.7	
540-84-1	2,2,4-Trimethylpentane	52.2	
108-87-2	Methylcyclohexane	48.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287390
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: ms015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	50.4	
78-87-5	1,2-Dichloropropane	53.4	
74-95-3	Dibromomethane	53.7	
80-62-6	Methyl methacrylate	47.0	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	52.1	
10061-01-5	cis-1,3-Dichloropropene	42.3	
108-10-1	4-Methyl-2-Pentanone	249	
108-88-3	Toluene	49.1	
10061-02-6	trans-1,3-Dichloropropene	42.0	
	Ethyl Methacrylate	46.7	
79-00-5	1,1,2-Trichloroethane	58.4	
127-18-4	Tetrachloroethene	45.8	
142-28-9	1,3-Dichloropropane	56.7	
591-78-6	2-Hexanone	252	
124-48-1	Dibromochloromethane	49.7	
106-93-4	1,2-Dibromoethane	52.0	
108-90-7	Chlorobenzene	54.5	
630-20-6	1,1,1,2-Tetrachloroethane	47.7	
100-41-4	Ethylbenzene	53.4	
7816-60-0	m&p-Xylene	103	
95-47-6	o-Xylene	53.2	
100-42-5	Styrene	45.8	
75-25-2	Bromoform	46.6	
98-82-8	Isopropylbenzene	44.7	
	trans-1,4-Dichloro-2-butene	45.2	
108-86-1	Bromobenzene	54.2	
79-34-5	1,1,2,2-Tetrachloroethane	55.0	
96-18-4	1,2,3-Trichloropropane	52.0	
103-65-1	n-Propylbenzene	52.1	
95-49-8	2-Chlorotoluene	51.1	
106-43-4	4-Chlorotoluene	51.1	
108-67-8	1,3,5-Trimethylbenzene	44.6	
98-06-6	tert-Butylbenzene	48.3	
95-63-6	1,2,4-Trimethylbenzene	46.0	
135-98-8	sec-Butylbenzene	53.9	
541-73-1	1,3-Dichlorobenzene	53.9	
99-87-6	p-Isopropyltoluene	48.3	
106-46-7	1,4-Dichlorobenzene	46.9	
95-50-1	1,2-Dichlorobenzene	53.9	
104-51-8	n-Butylbenzene	45.5	
96-12-8	1,2-Dibromo-3-chloropropane	44.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

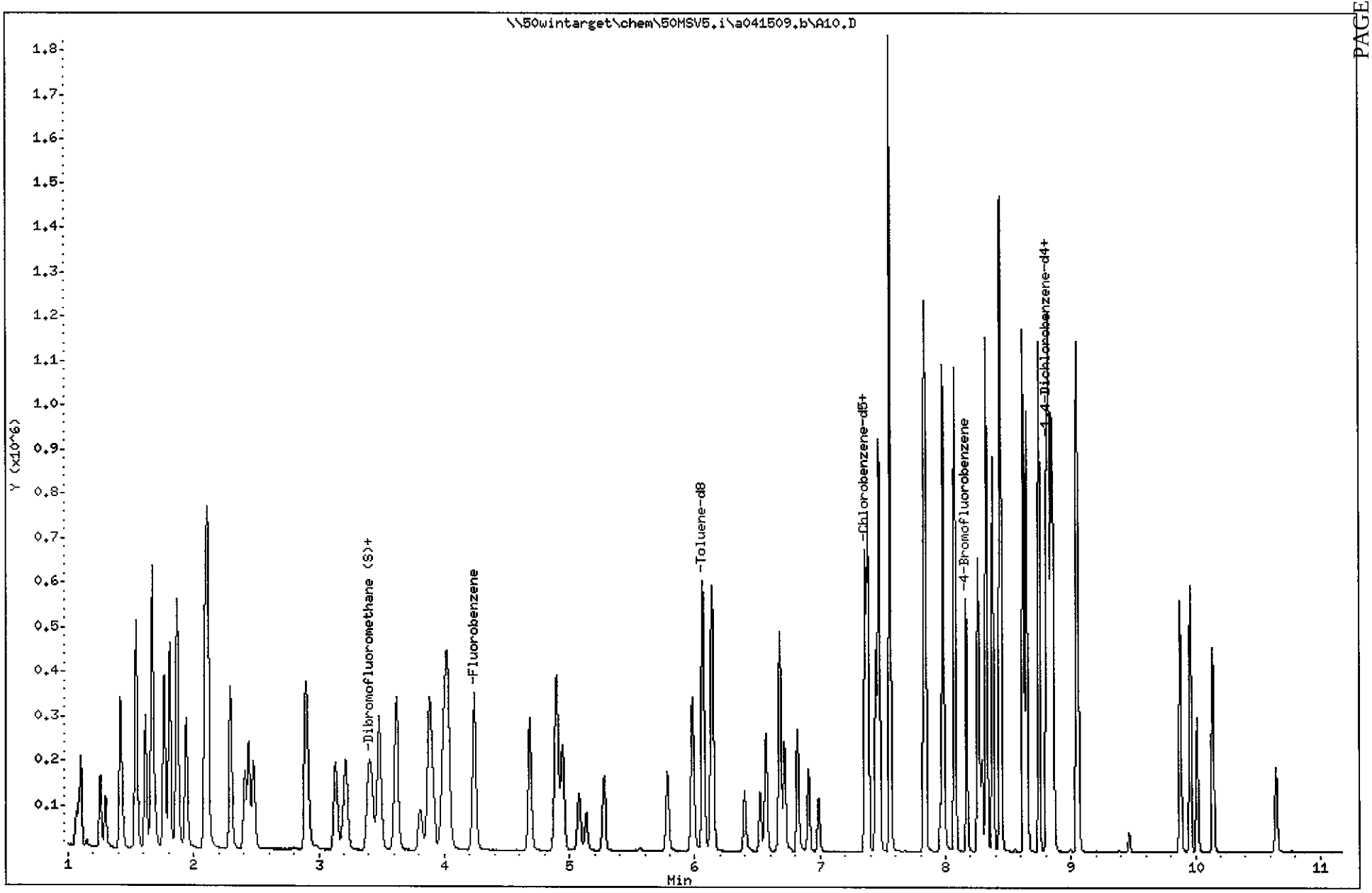
Client Name:
Lab Smp Id: 287390
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: ms015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
120-82-1	1,2,4-Trichlorobenzene	50.9	
87-68-3	Hexachlorobutadiene	49.1	
91-20-3	Naphthalene	44.4	
87-61-6	1,2,3-Trichlorobenzene	54.5	
	2,methyl-naphthalene	44.2	
1868-53-7	Dibromofluoromethane (S)	49.5	
2037-26-5	Toluene-d8	51.2	
460-00-4	4-Bromofluorobenzene	50.8	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A10.D
Date : 15-APR-2009 16:38
Client ID: ms015
Sample Info: ms015
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A10.D

Date : 15-APR-2009 16:38

Client ID: ms015

Instrument: 50MSV5.i

Sample Info: ms015

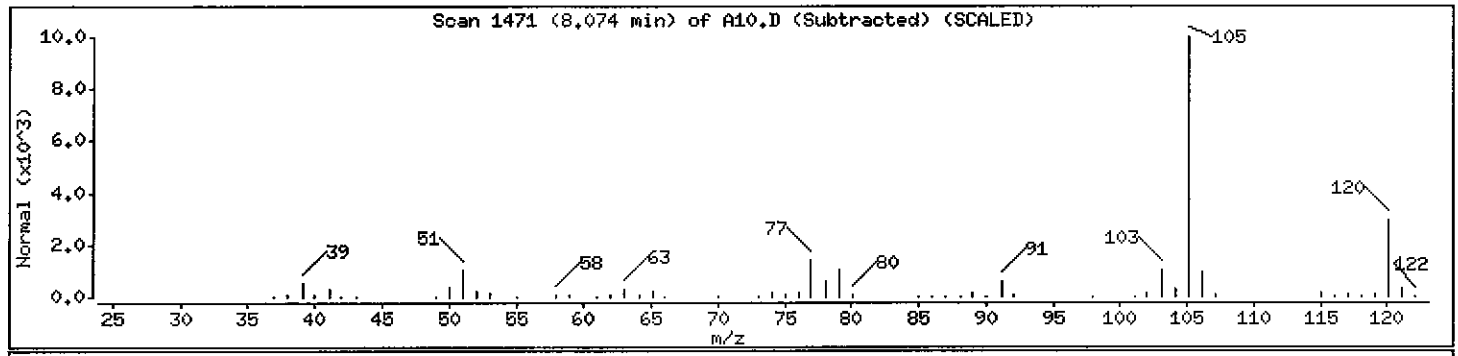
Purge Volume: 5.0

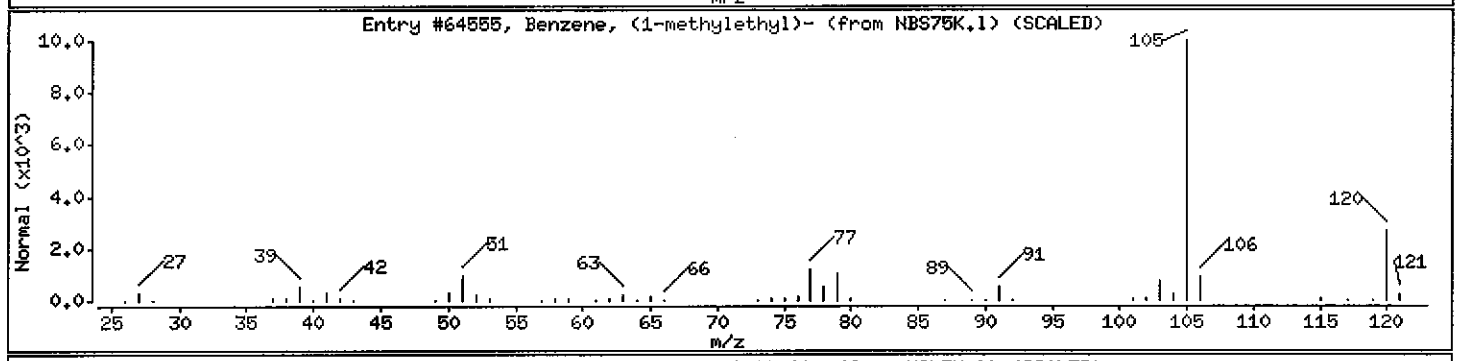
Operator: ala

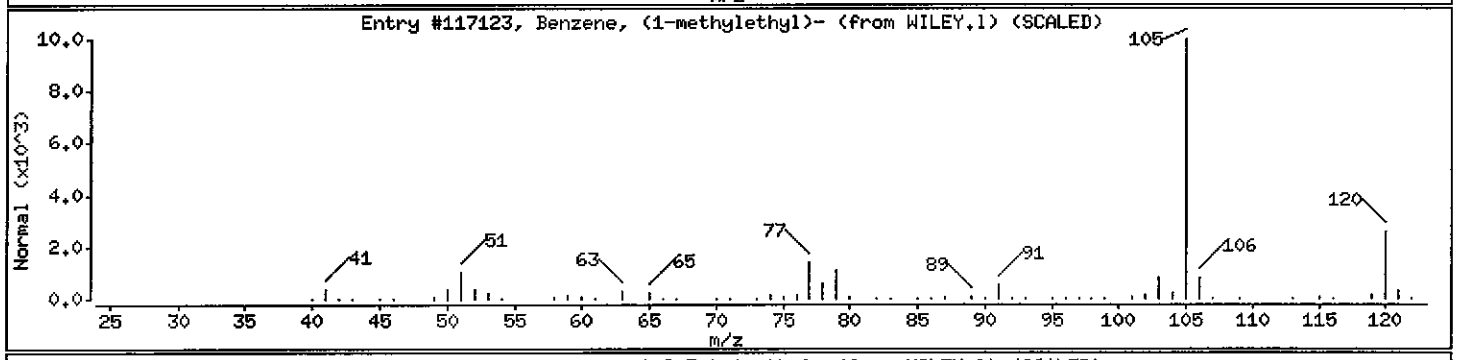
Column phase: DB-624

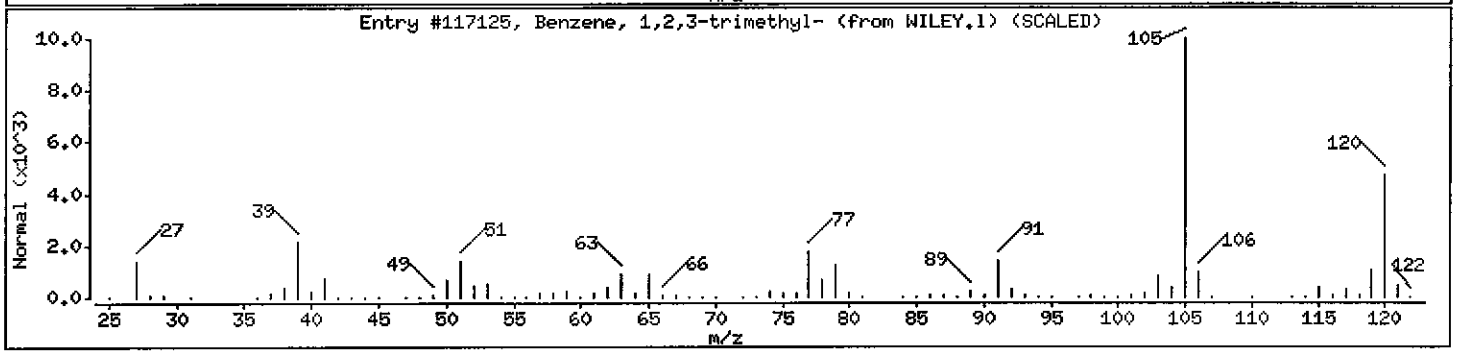
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A11.D
Lab Smp Id: 287391 Client Smp ID: msd015
Inj Date : 15-APR-2009 17:14
Operator : ala Inst ID: 50MSV5.i
Smp Info : msd015
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 23 QC Sample: MSD
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	0.970	0.970	(0.229)	88056	45.9028	45.9
2 Chloromethane	50	1.064	1.064	(0.251)	108271	51.7982	51.8
3 Vinyl Chloride	62	1.101	1.101	(0.260)	102755	50.6585	50.6
4 Bromomethane	94	1.253	1.253	(0.296)	77376	54.8391	54.8
139 Methyl Acetate	43	2.110	2.105	(0.498)	47468	48.9039	48.9
5 Chloroethane	64	1.294	1.295	(0.305)	60013	53.8938	53.9
6 Trichlorofluoromethane	101	1.415	1.415	(0.334)	224781	55.0889	55.1
7 Diethyl ether	74	1.545	1.546	(0.365)	36836	53.1249	53.1
8 Acrolein	56	1.613	1.614	(0.381)	177325	1970.81	1970(R)
9 1,1-Dichloroethene	96	1.671	1.671	(0.394)	89911	48.6941	48.7
10 1,1,2trichlorotrifluoroethane	101	1.660	1.661	(0.392)	112906	55.6693	55.7
11 Acetone	43	1.692	1.692	(0.399)	76222	239.297	239
12 Iodomethane	142	1.765	1.765	(0.416)	349540	105.027	105
13 Carbon Disulfide	76	1.807	1.807	(0.426)	454509	92.6433	92.6
142 Acetonitrile	41	1.864	1.865	(0.440)	261366		
14 allyl chloride	41	1.864	1.865	(0.440)	261366	90.7598	90.8
15 Methylene Chloride	84	1.938	1.938	(0.457)	92082	52.3662	52.4
16 Acrylonitrile	53	2.089	2.090	(0.493)	361801	1019.83	1020
17 tert-Butyl Alcohol	59	1.545	1.546	(0.365)	56646	104.710	105
18 1,2-Dichloroethene (trans)	96	2.110	2.110	(0.498)	102403	50.7584	50.8
19 Methyl-tert-butyl ether	73	2.110	2.110	(0.498)	209682	99.9172	99.9
20 n-Hexane	57	2.293	2.294	(0.541)	149913	53.3807	53.4
21 1,1-Dichloroethane	63	2.403	2.403	(0.567)	159029	46.1530	46.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.440	2.440	(0.576)	328491	141.857	142
	143 Chloroprene	53	2.476	2.477	(0.584)	105582		
	24 2,2-Dichloropropane	77	2.895	2.895	(0.683)	47933	42.2691	42.3
	144 Methacrylonitrile	41	3.193	3.188	(0.753)	19511		
	25 1,2-Dichloroethene (cis)	96	2.895	2.895	(0.683)	106394	51.1808	51.2
	26 2-Butanone	43	2.916	2.916	(0.688)	117941	255.946	256
	27 Propionitrile	54	2.973	2.979	(0.701)	5920	46.2525	46.2(Q)
	28 1,2-dichlorotrifluoroethane	67	1.540	1.540	(0.363)	126158	52.5672	52.6
	29 Bromochloromethane	49	3.135	3.136	(0.740)	79314	52.7113	52.7
	30 Tetrahydrofuran	42	3.193	3.188	(0.753)	31930	2.32048	2.32(R)
	31 Chloroform	83	3.219	3.219	(0.759)	163249	47.7951	47.8
$	32 Dibromofluoromethane (S)	113	3.392	3.397	(0.800)	101375	48.7263	48.7
	33 1,1,1-Trichloroethane	97	3.418	3.418	(0.806)	111627	46.8515	46.8
	35 Carbon Tetrachloride	117	3.617	3.617	(0.853)	99687	46.4970	46.5
	36 1,1-Dichloropropene	75	3.617	3.617	(0.853)	122471	52.1132	52.1
	37 Isobutyl alcohol	43	2.916	2.916	(0.688)	117941	51.1900	51.2
	140 Cyclohexane	56	3.481	3.481	(0.821)	166083	54.3508	54.4
	38 Benzene	78	3.883	3.883	(0.916)	351962	51.3574	51.4
	39 1,2-Dichloroethane	62	3.909	3.910	(0.922)	103832	52.5443	52.5
	138 2,2,4-Trimethylpentane	57	3.998	4.004	(0.943)	366012	52.1118	52.1
	141 Methylcyclohexane	55	4.898	4.898	(1.155)	133780	49.9441	49.9
*	40 Fluorobenzene	96	4.239	4.239	(1.000)	383758	50.0000	
	41 Trichloroethene	95	4.678	4.684	(1.104)	102539	50.3124	50.3
	42 1,2-Dichloropropane	63	4.945	4.945	(1.167)	92123	52.7799	52.8
	43 Dibromomethane	93	5.071	5.076	(1.196)	47922	55.0091	55.0
	44 Methyl methacrylate	69	5.133	5.134	(1.211)	28748	49.0066	49.0
	147 1,4-Dioxane	88	5.128	5.139	(1.210)	10856		
	45 Bromodichloromethane	83	5.275	5.275	(1.244)	107738	53.8937	53.9
	47 cis-1,3-Dichloropropene	75	5.782	5.782	(0.785)	94716	45.2279	45.2
	48 4-Methyl-2-Pentanone	43	5.981	5.981	(0.812)	240317	252.634	253
$	49 Toluene-d8	98	6.064	6.070	(0.824)	377603	50.0710	50.1
	50 Toluene	91	6.138	6.138	(0.834)	414023	49.2112	49.2
	51 trans-1,3-Dichloropropene	75	6.394	6.399	(0.869)	63134	44.6622	44.7
	52 Ethyl Methacrylate	69	6.519	6.525	(0.886)	56911	48.2572	48.2
	53 1,1,2-Trichloroethane	83	6.566	6.567	(0.892)	55091	58.0572	58.0
	54 Tetrachloroethene	166	6.681	6.682	(0.908)	123304	45.7250	45.7
	55 1,3-Dichloropropane	76	6.713	6.718	(0.912)	106546	57.4722	57.5
	56 2-Hexanone	43	6.817	6.823	(0.926)	153598	252.257	252
	57 Dibromochloromethane	129	6.906	6.907	(0.938)	78212	51.6079	51.6
	58 1,2-Dibromoethane	107	6.990	6.990	(0.950)	62635	51.5958	51.6
*	59 Chlorobenzene-d5	117	7.361	7.362	(1.000)	262162	50.0000	
	60 Chlorobenzene	112	7.382	7.383	(1.003)	298233	54.5351	54.5
	61 1,1,1,2-Tetrachloroethane	131	7.450	7.451	(1.012)	82639	50.1982	50.2
	62 Ethylbenzene	106	7.471	7.477	(1.015)	156566	53.2472	53.2
	63 m&p-Xylene	106	7.560	7.560	(1.027)	399795	102.984	103
	65 o-Xylene	106	7.832	7.832	(1.064)	188403	53.6142	53.6
	66 Styrene	104	7.843	7.843	(1.065)	264464	46.0949	46.1
	67 Bromoform	173	7.958	7.963	(0.900)	34761	48.3798	48.4
	68 Isopropylbenzene	105	8.434	8.434	(1.146)	351834	44.9382	44.9
	69 trans-1,4-Dichloro-2-butene	53	8.298	8.303	(1.127)	10740	45.8143	45.8(Q)
$	70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	112274	50.1565	50.2
	71 Bromobenzene	77	8.256	8.256	(1.121)	144012	53.8489	53.8
	72 1,1,2,2-Tetrachloroethane	83	8.266	8.266	(0.934)	69005	55.1096	55.1
	73 1,2,3-Trichloropropane	75	8.287	8.287	(0.937)	54922	51.4304	51.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
74 n-Propylbenzene	91	8.329	8.329	(0.941)	570663	53.3340	53.3
75 2-Chlorotoluene	91	8.376	8.376	(0.947)	317839	51.9786	52.0
76 4-Chlorotoluene	126	8.444	8.444	(0.954)	128663	51.7490	51.7
77 1,3,5-Trimethylbenzene	105	8.434	8.434	(0.953)	351834	45.4400	45.4
78 tert-Butylbenzene	119	8.622	8.622	(0.975)	434746	49.5601	49.6
79 1,2,4-Trimethylbenzene	105	8.648	8.648	(0.978)	346290	47.0950	47.1
80 sec-Butylbenzene	105	8.747	8.748	(0.989)	545302	54.6442	54.6
81 1,3-Dichlorobenzene	146	8.810	8.810	(0.996)	244443	54.2902	54.3
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	146853	50.0000	
83 p-Isopropyltoluene	119	8.622	8.622	(0.975)	434746	49.5601	49.6
84 1,4-Dichlorobenzene	146	8.857	8.857	(1.001)	226709	48.1413	48.1
85 1,2-Dichlorobenzene	146	9.061	9.061	(1.024)	215000	54.4341	54.4
86 n-Butylbenzene	91	9.046	9.046	(1.022)	373360	45.8619	45.9
87 1,2-Dibromo-3-chloropropane	155	9.464	9.469	(1.070)	6530	47.2706	47.3
88 1,2,4-Trichlorobenzene	180	9.877	9.883	(1.116)	128788	51.2936	51.3
89 Hexachlorobutadiene	225	9.956	9.961	(1.125)	85636	49.1717	49.2
90 Naphthalene	128	10.013	10.019	(1.132)	185608	46.1060	46.1
91 1,2,3-Trichlorobenzene	180	10.139	10.144	(1.146)	114023	54.7209	54.7
92 2,methyl-naphthalene	142	10.646	10.651	(1.203)	85647	46.1514	46.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A11.D
Lab Smp Id: 287391
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: msd015
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	383758	2.69
59 Chlorobenzene-d5	255255	127628	510510	262162	2.71
82 1,4-Dichlorobenze	136223	68112	272446	146853	7.80

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287391
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: msd015
Operator: ala
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	45.9	91.81	30-163
2 Chloromethane	50.0	51.8	103.60	36-136
3 Vinyl Chloride	50.0	50.6	101.32	51-144
4 Bromomethane	50.0	54.8	109.68	30-170
5 Chloroethane	50.0	53.9	107.79	54-157
6 Trichlorofluoromet	50.0	55.1	110.18	53-162
28 1,2-dichlorotriflu	50.0	52.6	105.13	50-150
7 Diethyl ether	50.0	53.1	106.25	70-130
8 Acrolein	1000	1970	197.08*	30-170
9 1,1-Dichloroethene	50.0	48.7	97.39	55-140
10 1,1,2trichlorotrif	50.0	55.7	111.34	50-150
11 Acetone	250	239	95.72	30-170
12 Iodomethane	100	105	105.03	28-168
13 Carbon Disulfide	100	92.6	92.64	46-162
139 Methyl Acetate	50.0	48.9	97.81	40-182
14 allyl chloride	100	90.8	90.76	39-155
15 Methylene Chloride	50.0	52.4	104.73	46-154
16 Acrylonitrile	1000	1020	101.98	66-137
27 Propionitrile	50.0	46.2	92.51	50-150
17 tert-Butyl Alcohol	100	105	104.71	50-150
18 1,2-Dichloroethene	50.0	50.8	101.52	60-137
19 Methyl-tert-butyl	100	99.9	99.92	52-156
20 n-Hexane	50.0	53.4	106.76	32-176
21 1,1-Dichloroethane	50.0	46.2	92.31	68-139
23 Vinyl Acetate	200	142	70.93	24-132
25 1,2-Dichloroethene	50.0	51.2	102.36	65-132
24 2,2-Dichloropropan	50.0	42.3	84.54	35-157
26 2-Butanone	250	256	102.38	62-132
29 Bromochloromethane	50.0	52.7	105.42	65-157
30 Tetrahydrofuran	50.0	2.32	4.64*	50-150
31 Chloroform	50.0	47.8	95.59	67-134
33 1,1,1-Trichloroeth	50.0	46.8	93.70	64-143
140 Cyclohexane	50.0	54.4	108.70	39-167
37 Isobutyl alcohol	50.0	51.2	102.38	50-150
36 1,1-Dichloropropen	50.0	52.1	104.23	66-140
35 Carbon Tetrachlori	50.0	46.5	92.99	54-145
38 Benzene	50.0	51.4	102.71	63-141
39 1,2-Dichloroethane	50.0	52.5	105.09	63-148
41 Trichloroethene	50.0	50.3	100.62	61-137
141 Methylcyclohexane	50.0	49.9	99.89	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	52.8	105.56	70-136
43 Dibromomethane	50.0	55.0	110.02	67-144
44 Methyl methacrylat	50.0	49.0	98.01	50-150
45 Bromodichlorometha	50.0	53.9	107.79	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	45.2	90.46	46-121
48 4-Methyl-2-Pentano	250	253	101.05	57-135
50 Toluene	50.0	49.2	98.42	59-142
51 trans-1,3-Dichloro	50.0	44.7	89.32	43-117
52 Ethyl Methacrylate	50.0	48.2	96.51	52-140
53 1,1,2-Trichloroeth	50.0	58.0	116.11	71-143
54 Tetrachloroethene	50.0	45.7	91.45	25-146
55 1,3-Dichloropropan	50.0	57.5	114.94	65-133
56 2-Hexanone	250	252	100.90	61-141
57 Dibromochlorometha	50.0	51.6	103.22	64-124
58 1,2-Dibromoethane	50.0	51.6	103.19	67-134
60 Chlorobenzene	50.0	54.5	109.07	56-133
61 1,1,1,2-Tetrachlor	50.0	50.2	100.40	55-131
62 Ethylbenzene	50.0	53.2	106.49	44-151
63 m&p-Xylene	100	103	102.98	41-153
65 o-Xylene	50.0	53.6	107.23	52-139
66 Styrene	50.0	46.1	92.19	38-141
67 Bromoform	50.0	48.4	96.76	58-124
68 Isopropylbenzene	50.0	44.9	89.88	40-148
69 trans-1,4-Dichloro	50.0	45.8	91.63	44-139
72 1,1,2,2-Tetrachlor	50.0	55.1	110.22	64-142
71 Bromobenzene	50.0	53.8	107.70	57-128
73 1,2,3-Trichloropro	50.0	51.4	102.86	33-140
74 n-Propylbenzene	50.0	53.3	106.67	40-148
75 2-Chlorotoluene	50.0	52.0	103.96	44-143
76 4-Chlorotoluene	50.0	51.7	103.50	43-140
77 1,3,5-Trimethylben	50.0	45.4	90.88	39-145
78 tert-Butylbenzene	50.0	49.6	99.12	32-133
79 1,2,4-Trimethylben	50.0	47.1	94.19	39-146
80 sec-Butylbenzene	50.0	54.6	109.29	38-150
81 1,3-Dichlorobenzen	50.0	54.3	108.58	40-143
83 p-Isopropyltoluene	50.0	49.6	99.12	34-146
84 1,4-Dichlorobenzen	50.0	48.1	96.28	38-142
86 n-Butylbenzene	50.0	45.9	91.72	27-153
85 1,2-Dichlorobenzen	50.0	54.4	108.87	48-137
88 1,2,4-Trichloroben	50.0	51.3	102.59	39-146
91 1,2,3-Trichloroben	50.0	54.7	109.44	33-140
87 1,2-Dibromo-3-chlo	50.0	47.3	94.54	39-140
89 Hexachlorobutadien	50.0	49.2	98.34	30-145
90 Naphthalene	50.0	46.1	92.21	44-138
92 2,methyl-naphthale	50.0	46.2	92.30	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	48.7	97.45	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	50.1	100.14	80-116
$ 70 4-Bromofluorobenze	50.0	50.2	100.31	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287391
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: msd015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	45.9	
74-87-3	Chloromethane	51.8	
75-01-4	Vinyl Chloride	50.6	
74-83-9	Bromomethane	54.8	
79-20-9	Methyl Acetate	48.9	
75-00-3	Chloroethane	53.9	
75-69-4	Trichlorofluoromethane	55.1	
60-29-7	Diethyl ether	53.1	
107-02-8	Acrolein	1970	
75-35-4	1,1-Dichloroethene	48.7	
76-13-1	1,1,2trichlorotrifluoroethan	55.7	
67-64-1	Acetone	239	
	Iodomethane	105	
75-15-0	Carbon Disulfide	92.6	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	90.8	
75-09-2	Methylene Chloride	52.4	
107-13-1	Acrylonitrile	1020	
75-65-0	tert-Butyl Alcohol	105	
156-60-5	1,2-Dichloroethene (trans)	50.8	
1634-04-4	Methyl-tert-butyl ether	99.9	
	n-Hexane	53.4	
75-34-3	1,1-Dichloroethane	46.2	
108-05-4	Vinyl Acetate	142	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	42.3	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	51.2	
78-93-3	2-Butanone	256	
107-12-0	Propionitrile	46.2	
354-23-4	1,2-dichlorotrifluoroethane	52.6	
74-97-5	Bromochloromethane	52.7	
	Tetrahydrofuran	2.32	
67-66-3	Chloroform	47.8	
71-55-6	1,1,1-Trichloroethane	46.8	
56-23-5	Carbon Tetrachloride	46.5	
563-58-6	1,1-Dichloropropene	52.1	
78-83-1	Isobutyl alcohol	51.2	
110-82-7	Cyclohexane	54.4	
71-43-2	Benzene	51.4	
107-06-2	1,2-Dichloroethane	52.5	
540-84-1	2,2,4-Trimethylpentane	52.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287391
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: msd015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
108-87-2	Methylcyclohexane	49.9	
79-01-6	Trichloroethene	50.3	
78-87-5	1,2-Dichloropropane	52.8	
74-95-3	Dibromomethane	55.0	
80-62-6	Methyl methacrylate	49.0	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	53.9	
10061-01-5	cis-1,3-Dichloropropene	45.2	
108-10-1	4-Methyl-2-Pentanone	253	
108-88-3	Toluene	49.2	
10061-02-6	trans-1,3-Dichloropropene	44.7	
	Ethyl Methacrylate	48.2	
79-00-5	1,1,2-Trichloroethane	58.0	
127-18-4	Tetrachloroethene	45.7	
142-28-9	1,3-Dichloropropane	57.5	
591-78-6	2-Hexanone	252	
124-48-1	Dibromochloromethane	51.6	
106-93-4	1,2-Dibromoethane	51.6	
108-90-7	Chlorobenzene	54.5	
630-20-6	1,1,1,2-Tetrachloroethane	50.2	
100-41-4	Ethylbenzene	53.2	
7816-60-0	m&p-Xylene	103	
95-47-6	o-Xylene	53.6	
100-42-5	Styrene	46.1	
75-25-2	Bromoform	48.4	
98-82-8	Isopropylbenzene	44.9	
	trans-1,4-Dichloro-2-butene	45.8	
108-86-1	Bromobenzene	53.8	
79-34-5	1,1,2,2-Tetrachloroethane	55.1	
96-18-4	1,2,3-Trichloropropane	51.4	
103-65-1	n-Propylbenzene	53.3	
95-49-8	2-Chlorotoluene	52.0	
106-43-4	4-Chlorotoluene	51.7	
108-67-8	1,3,5-Trimethylbenzene	45.4	
98-06-6	tert-Butylbenzene	49.6	
95-63-6	1,2,4-Trimethylbenzene	47.1	
135-98-8	sec-Butylbenzene	54.6	
541-73-1	1,3-Dichlorobenzene	54.3	
99-87-6	p-Isopropyltoluene	49.6	
106-46-7	1,4-Dichlorobenzene	48.1	
95-50-1	1,2-Dichlorobenzene	54.4	
104-51-8	n-Butylbenzene	45.9	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

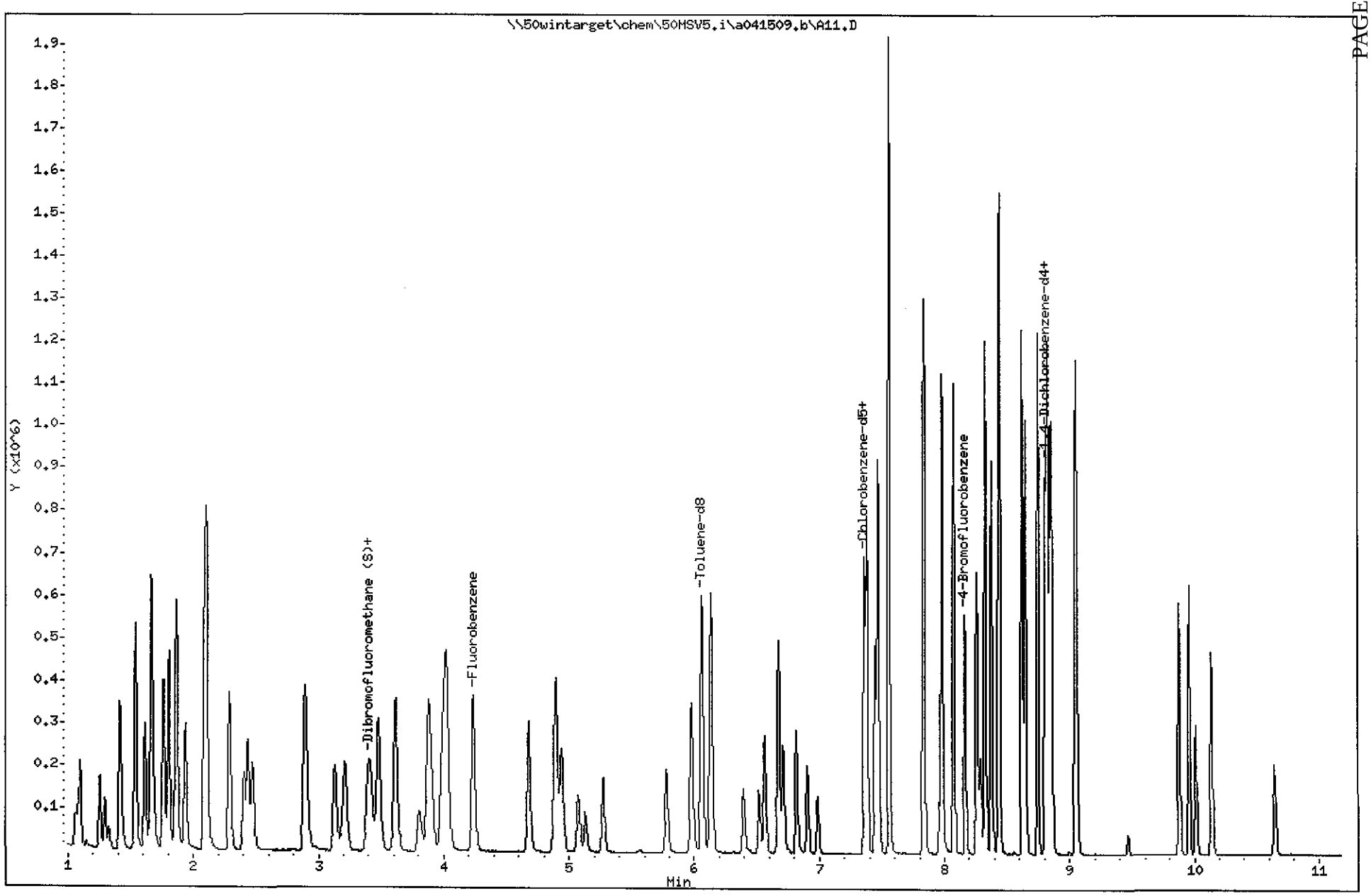
Client Name:
Lab Smp Id: 287391
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: msd015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
96-12-8	1,2-Dibromo-3-chloropropane	47.3	
120-82-1	1,2,4-Trichlorobenzene	51.3	
87-68-3	Hexachlorobutadiene	49.2	
91-20-3	Naphthalene	46.1	
87-61-6	1,2,3-Trichlorobenzene	54.7	
	2,methyl-naphthalene	46.2	
1868-53-7	Dibromofluoromethane (S)	48.7	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	50.2	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A11.D
Date : 15-APR-2009 17:14
Client ID: msd015
Sample Info: msd015
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A11.D

Date : 15-APR-2009 17:14

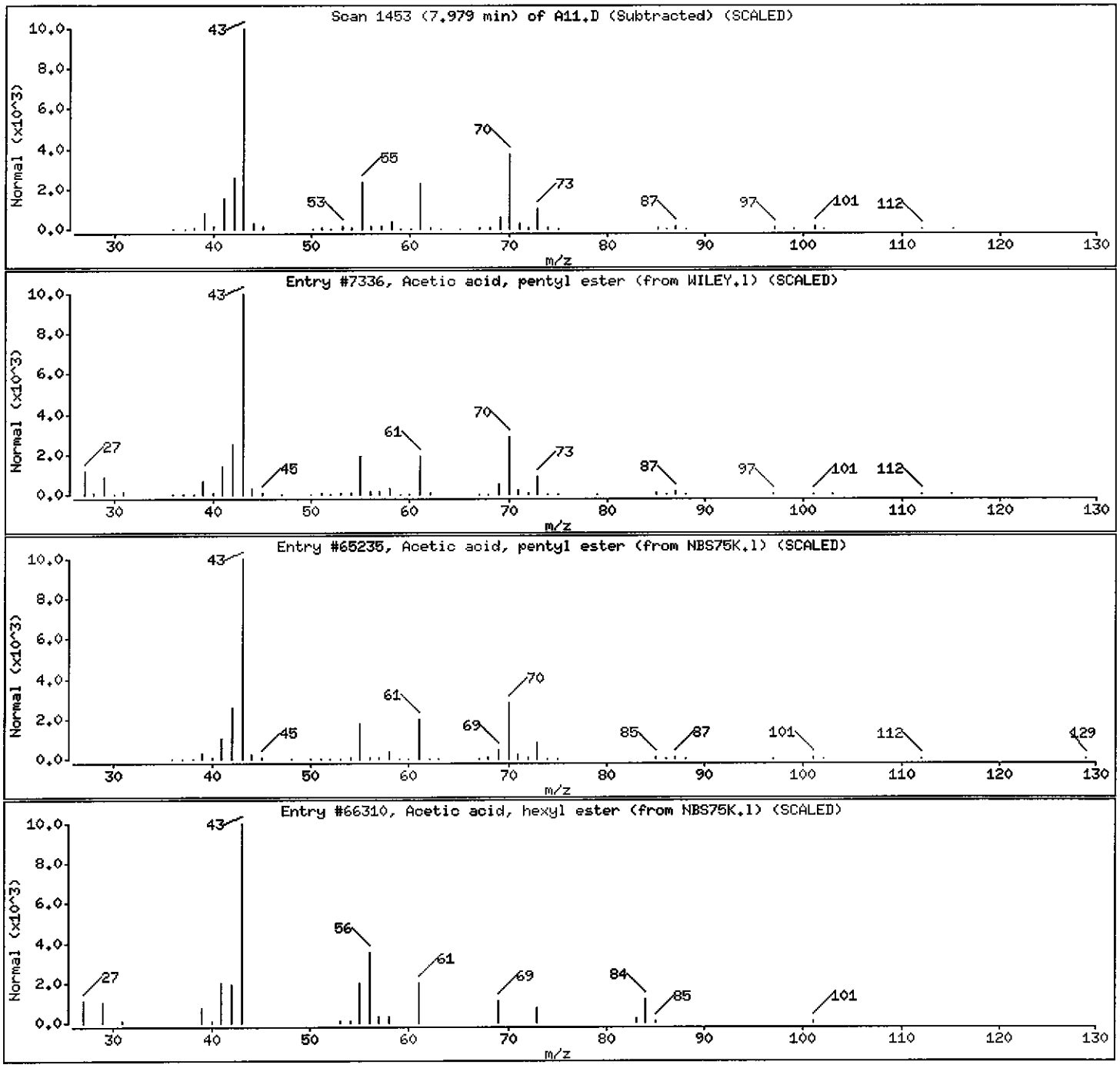
Client ID: msd015 | Instrument: 50MSV5.i

Sample Info: msd015

Purge Volume: 5.0 | Operator: ala

Column phase: DB-624 | Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acetic acid, pentyl ester	628-63-7	WILEY.l	7336	90	C7H14O2	130
Acetic acid, pentyl ester	628-63-7	NBS75K.l	65235	83	C7H14O2	130
Acetic acid, hexyl ester	142-92-7	NBS75K.l	66310	45	C8H16O2	144



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A12.D
Lab Smp Id: 5025166016 Client Smp ID: 66016
Inj Date : 15-APR-2009 17:51
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166016
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 25
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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	13383	7.94803	7.95
6 Trichlorofluoromethane	101	1.415	1.415	(0.334)	2805	0.82812	0.828
16 Acrylonitrile	53	2.084	2.090	(0.492)	1098	3.72836	3.73
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.801)	91456	52.9543	53.0
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	318567	50.0000	
$ 49 Toluene-d8	98	6.065	6.070	(0.824)	303316	48.5823	48.6
50 Toluene	91	6.133	6.138	(0.833)	3182	0.45685	0.457
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	217039	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	89816	48.4656	48.5
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	108619	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A12.D
Lab Smp Id: 5025166016
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66016
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	318567	-14.75
59 Chlorobenzene-d5	255255	127628	510510	217039	-14.97
82 1,4-Dichlorobenze	136223	68112	272446	108619	-20.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166016
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66016
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.0	105.91	80-123
$ 49 Toluene-d8	50.0	48.6	97.16	80-116
$ 70 4-Bromofluorobenze	50.0	48.5	96.93	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

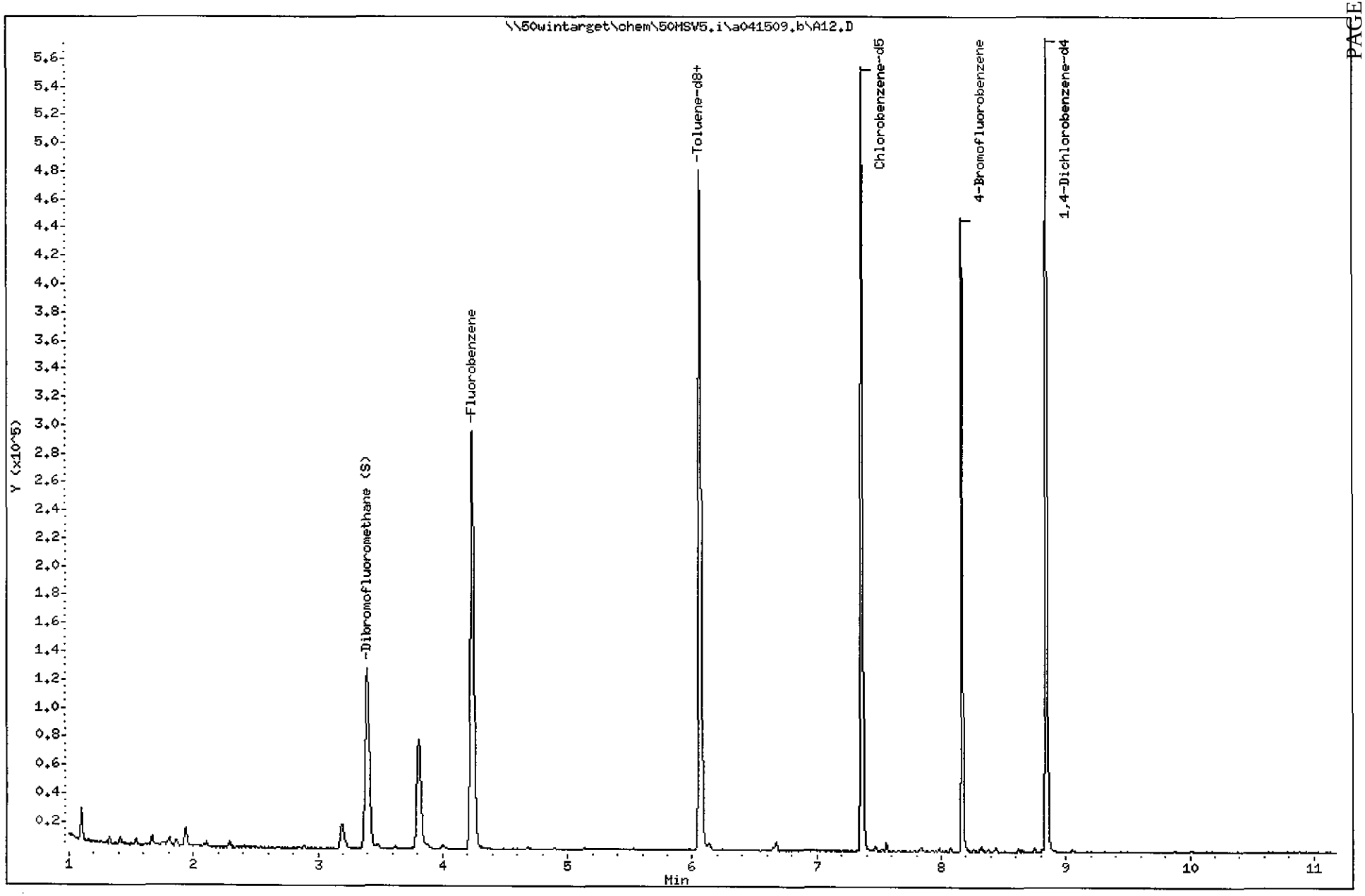
Client Name:
Lab Smp Id: 5025166016
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66016
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	7.95	
75-69-4	Trichlorofluoromethane	0.828	
107-13-1	Acrylonitrile	3.73	
108-88-3	Toluene	0.457	
1868-53-7	Dibromofluoromethane (S)	53.0	
2037-26-5	Toluene-d8	48.6	
460-00-4	4-Bromofluorobenzene	48.5	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A12.D
Date : 15-APR-2009 17:51
Client ID: 66016
Sample Info: 5025166016
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A12.D

Date : 15-APR-2009 17:51

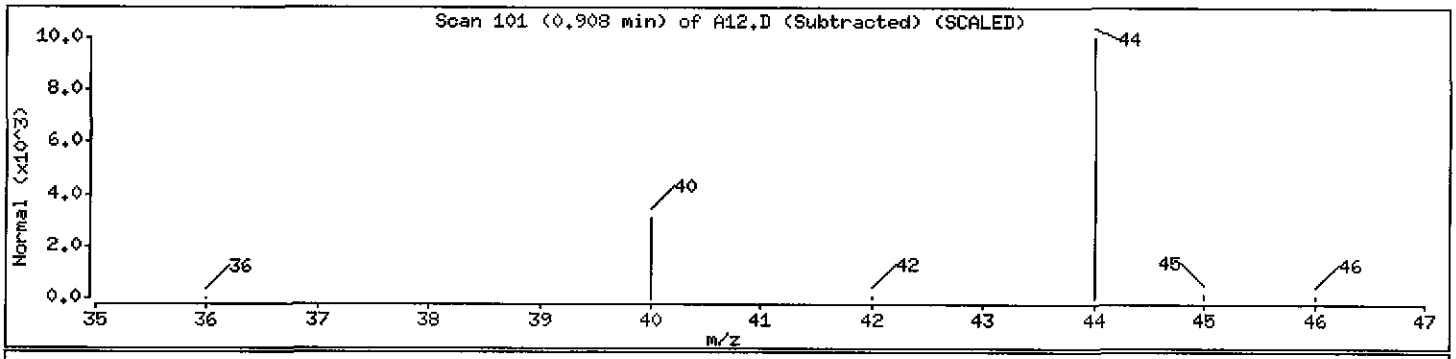
Client ID: 66016 Instrument: 50MSV5.i

Sample Info: 5025166016

Purge Volume: 5.0 Operator: ala

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A13.D
Lab Smp Id: 5025166017 Client Smp ID: 66017
Inj Date : 15-APR-2009 18:27
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166017
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 27
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.800)	87875	53.6662	53.7
* 40 Fluorobenzene	96	4.239	4.239	(1.000)	302033	50.0000	
$ 49 Toluene-d8	98	6.064	6.070	(0.824)	291513	48.7668	48.8
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	207804	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	85456	48.1622	48.2
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	101824	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A13.D
Lab Smp Id: 5025166017
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66017
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	302033	-19.18
59 Chlorobenzene-d5	255255	127628	510510	207804	-18.59
82 1,4-Dichlorobenze	136223	68112	272446	101824	-25.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166017
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66017
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.7	107.33	80-123
$ 49 Toluene-d8	50.0	48.8	97.53	80-116
$ 70 4-Bromofluorobenze	50.0	48.2	96.32	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

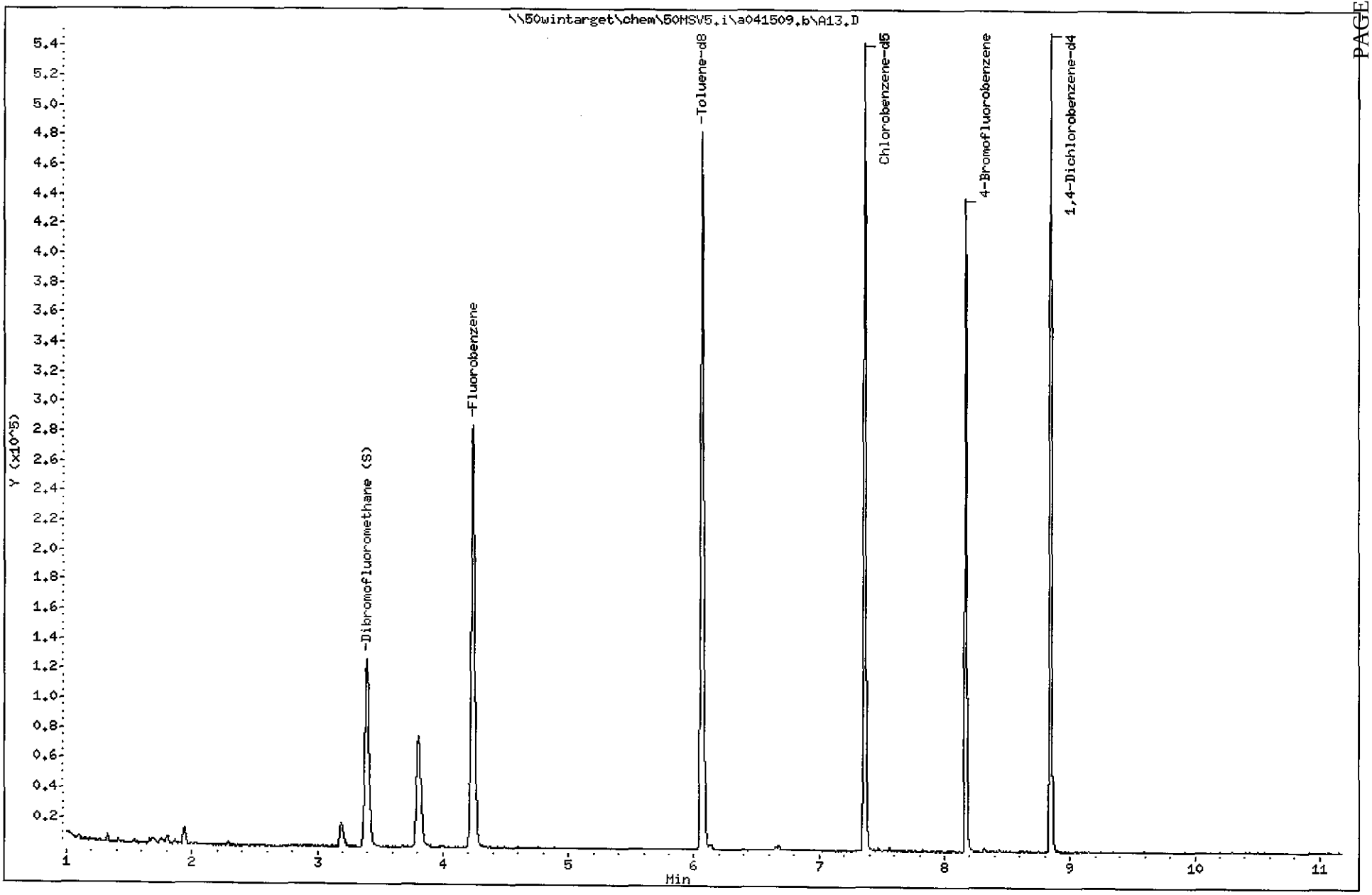
Client Name:
Lab Smp Id: 5025166017
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66017
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.7	
2037-26-5	Toluene-d8	48.8	
460-00-4	4-Bromofluorobenzene	48.2	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A13.D
Date : 15-APR-2009 18:27
Client ID: 66017
Sample Info: 5025166017
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A13.D

Date : 15-APR-2009 18:27

Client ID: 66017

Instrument: 50MSV5.i

Sample Info: 5025166017

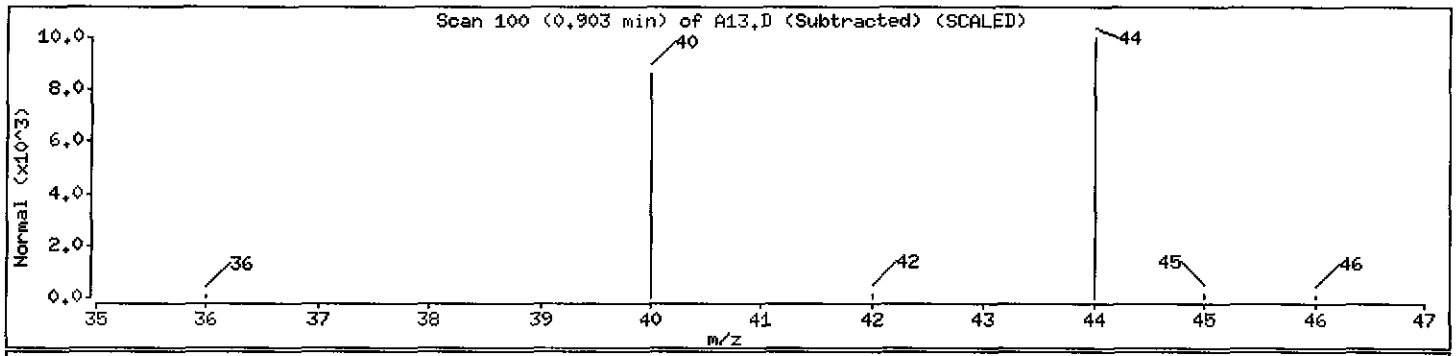
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A14.D
Lab Smp Id: 5025166018 Client Smp ID: 66018
Inj Date : 15-APR-2009 19:04
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166018
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 29
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.801)	84490	54.6997	54.7
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	284912	50.0000	
$ 49 Toluene-d8	98	6.064	6.070	(0.824)	277135	48.2654	48.3
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	199607	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	80978	47.5126	47.5
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	98809	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A14.D
Lab Smp Id: 5025166018
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66018
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	284912	-23.76
59 Chlorobenzene-d5	255255	127628	510510	199607	-21.80
82 1,4-Dichlorobenze	136223	68112	272446	98809	-27.47

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166018
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66018
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.7	109.40	80-123
$ 49 Toluene-d8	50.0	48.3	96.53	80-116
$ 70 4-Bromofluorobenze	50.0	47.5	95.03	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

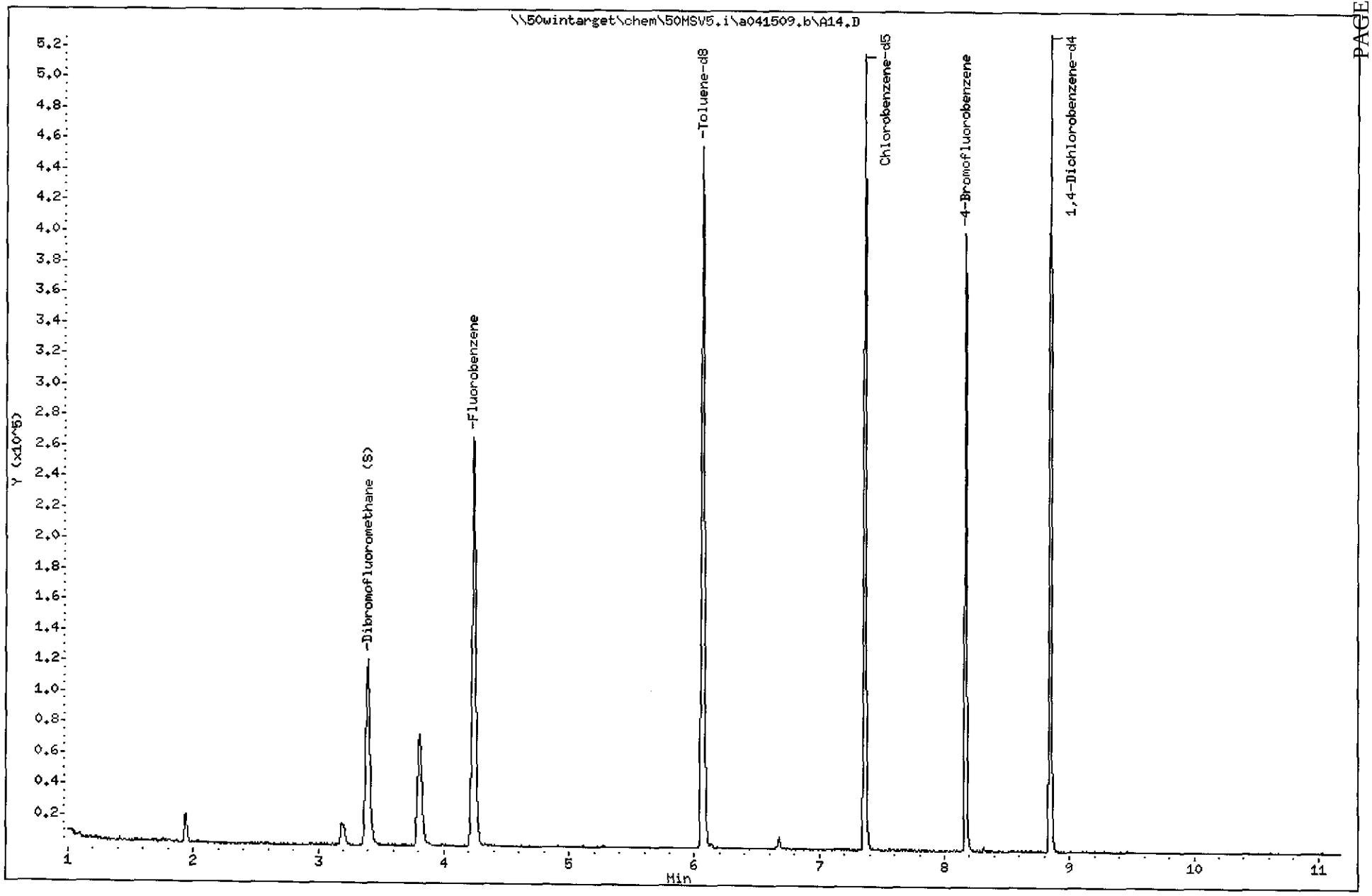
Client Name:
Lab Smp Id: 5025166018
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66018
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	54.7	
2037-26-5	Toluene-d8	48.3	
460-00-4	4-Bromofluorobenzene	47.5	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A14.D
Date : 15-APR-2009 19:04
Client ID: 66018
Sample Info: 5025166018
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A14.D

Date : 15-APR-2009 19:04

Client ID: 66018

Instrument: 50MSV5.i

Sample Info: 5025166018

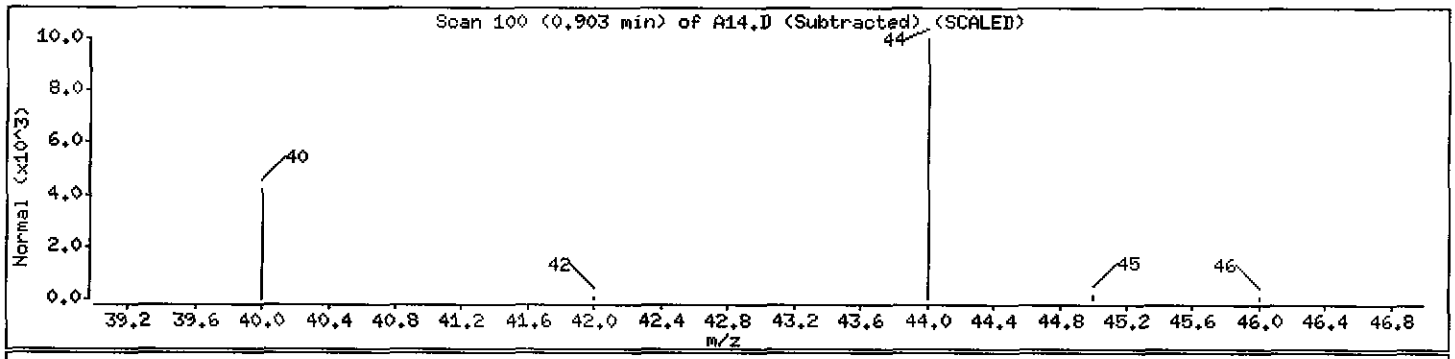
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A15.D
Lab Smp Id: 5025166023 Client Smp ID: 66023
Inj Date : 15-APR-2009 19:40
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166023tb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 31
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.801)	83559	54.2747	54.3
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	283979	50.0000	
$ 49 Toluene-d8	98	6.065	6.070	(0.824)	274699	48.2975	48.3
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	197721	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	80483	47.6726	47.7
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	98298	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A15.D
Lab Smp Id: 5025166023
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66023
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	283979	-24.01
59 Chlorobenzene-d5	255255	127628	510510	197721	-22.54
82 1,4-Dichlorobenze	136223	68112	272446	98298	-27.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166023
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66023
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.3	108.55	80-123
$ 49 Toluene-d8	50.0	48.3	96.59	80-116
$ 70 4-Bromofluorobenze	50.0	47.7	95.35	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

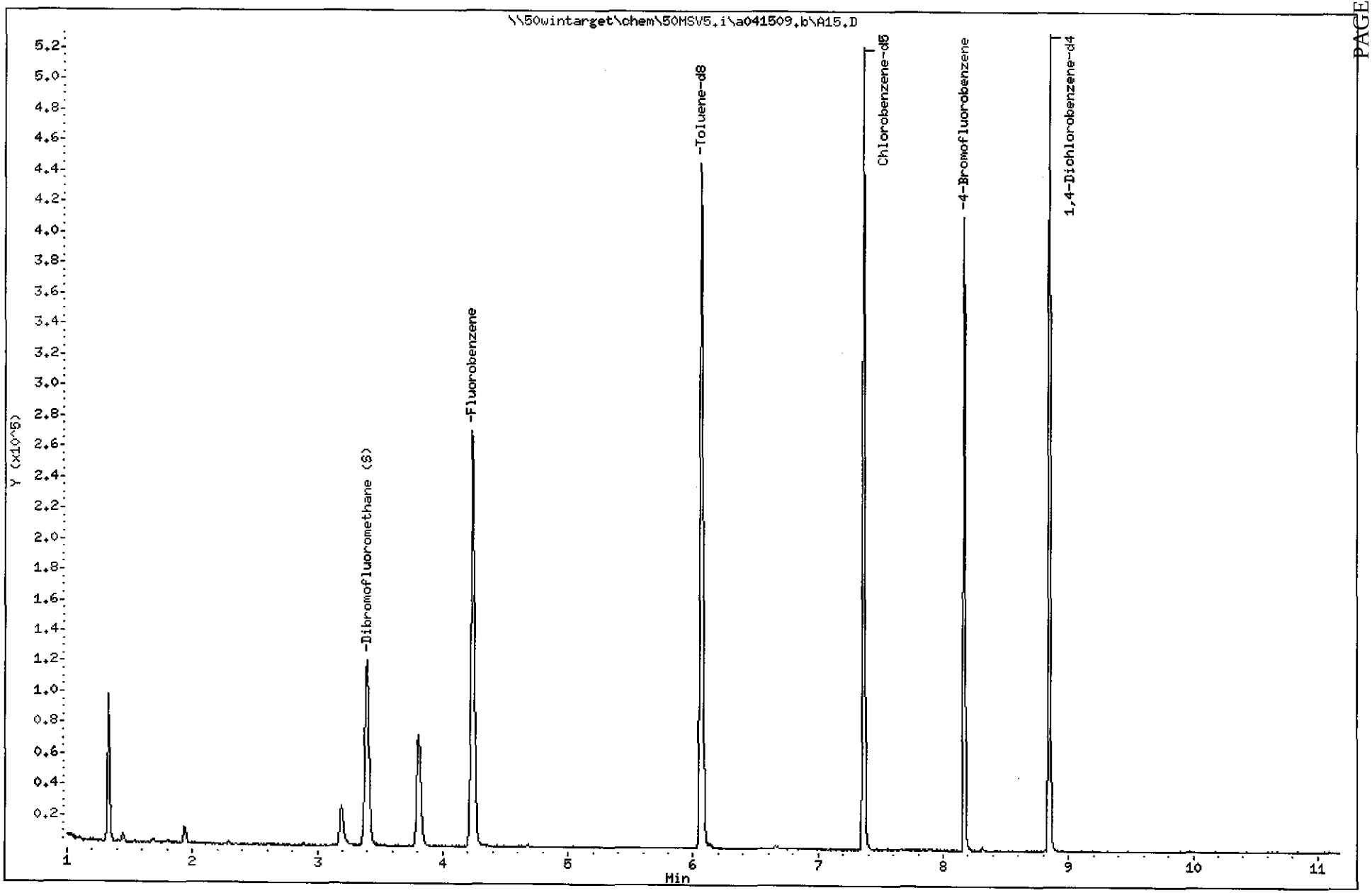
Client Name:
Lab Smp Id: 5025166023
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66023
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	54.3	
2037-26-5	Toluene-d8	48.3	
460-00-4	4-Bromofluorobenzene	47.7	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A15.D
Date : 15-APR-2009 19:40
Client ID: 66023
Sample Info: 5025166023tb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A15.D

Date : 15-APR-2009 19:40

Client ID: 66023

Instrument: 50MSV5.i

Sample Info: 5025166023tb

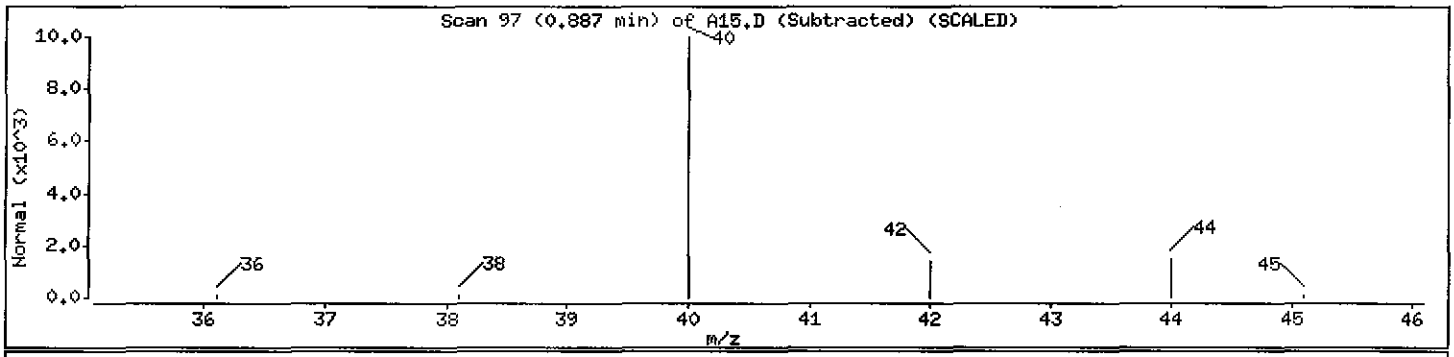
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A16.D
Lab Smp Id: 5025166024 Client Smp ID: 66024
Inj Date : 15-APR-2009 20:17
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166024
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 33
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)
5 Chloroethane	64	1.295	1.295	(0.306)	6352	3.06717	3.07
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.801)	84695	51.9227	51.9
140 Cyclohexane	56	3.470	3.481	(0.820)	6305	2.63168	2.63
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	300878	50.0000	
$ 49 Toluene-d8	98	6.065	6.070	(0.824)	293906	48.1064	48.1
50 Toluene	91	6.138	6.138	(0.834)	2290	0.33598	0.336
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	212386	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	91955	50.7069	50.7
74 n-Propylbenzene	91	8.329	8.329	(0.942)	8845	1.04550	1.04
78 tert-Butylbenzene	119	8.617	8.622	(0.975)	1330	0.19176	0.192(M)
80 sec-Butylbenzene	105	8.743	8.748	(0.989)	7504	0.95105	0.951
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	116113	50.0000	
83 p-Isopropyltoluene	119	8.617	8.622	(0.975)	1330	0.19176	0.192(M)
86 n-Butylbenzene	91	9.041	9.046	(1.022)	8374	1.46206	1.46
92 2,methyl-naphthalene	142	10.641	10.651	(1.203)	36533	29.5338	29.5

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A16.D
Lab Smp Id: 5025166024
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66024
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	300878	-19.49
59 Chlorobenzene-d5	255255	127628	510510	212386	-16.79
82 1,4-Dichlorobenze	136223	68112	272446	116113	-14.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166024
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66024
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	51.9	103.85	80-123
$ 49 Toluene-d8	50.0	48.1	96.21	80-116
$ 70 4-Bromofluorobenze	50.0	50.7	101.41	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

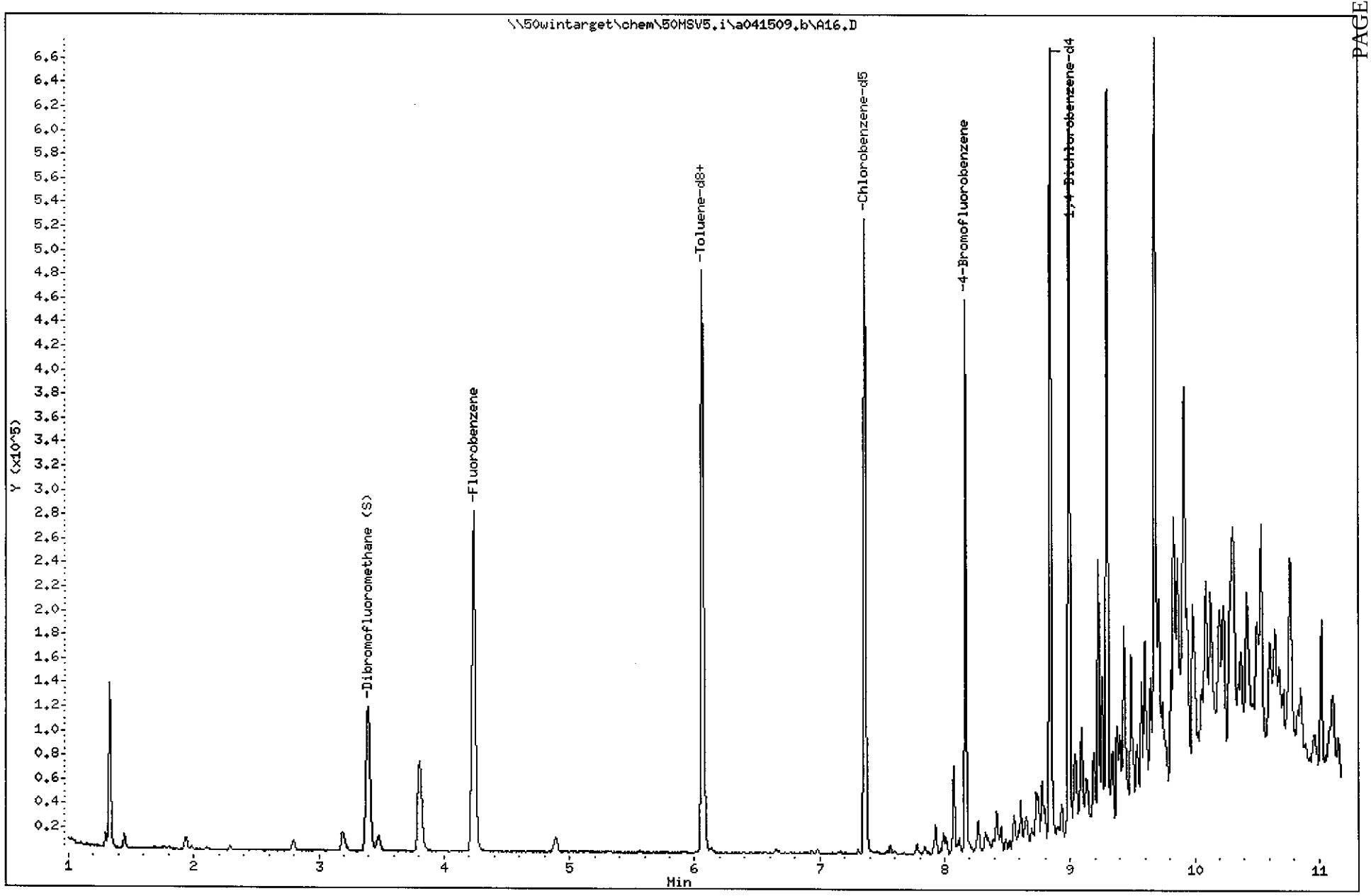
Client Name:
Lab Smp Id: 5025166024
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66024
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-00-3	Chloroethane	3.07	
110-82-7	Cyclohexane	2.63	
108-88-3	Toluene	0.336	
103-65-1	n-Propylbenzene	1.04	
98-06-6	tert-Butylbenzene	0.192	
135-98-8	sec-Butylbenzene	0.951	
99-87-6	p-Isopropyltoluene	0.192	
104-51-8	n-Butylbenzene	1.46	
	2,methyl-naphthalene	29.5	
1868-53-7	Dibromofluoromethane (S)	51.9	
2037-26-5	Toluene-d8	48.1	
460-00-4	4-Bromofluorobenzene	50.7	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A16.D
Date : 15-APR-2009 20:17
Client ID: 66024
Sample Info: 5025166024
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A16.D

Date : 15-APR-2009 20:17

Client ID: 66024

Instrument: 50MSV5.i

Sample Info: 5025166024

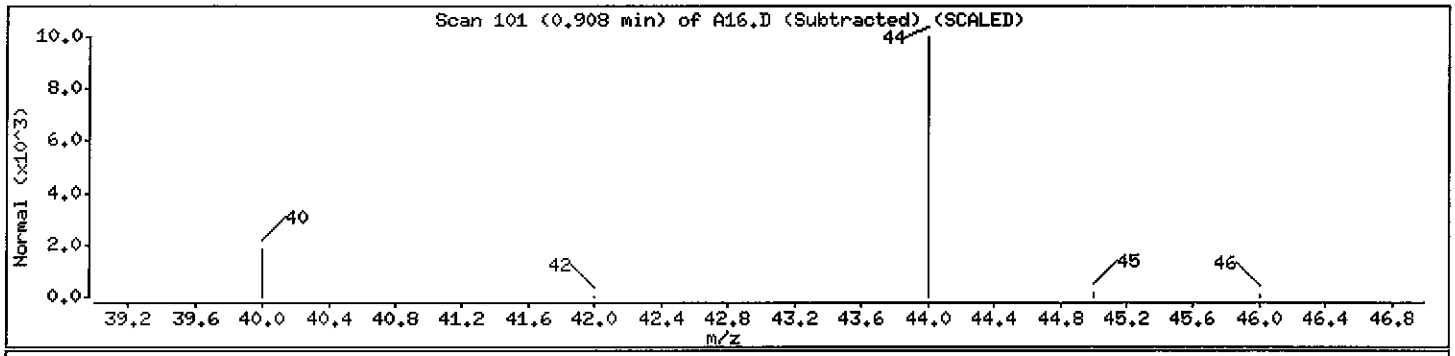
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A05.D
Lab Smp Id: 287804 Client Smp ID: ms025
Inj Date : 16-APR-2009 13:20
Operator : ala Inst ID: 50MSV5.i
Smp Info : ms025
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 11 QC Sample: MS
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	0.965	0.965	(0.228)	71133	41.2104	41.2
2 Chloromethane	50	1.059	1.059	(0.251)	95150	50.8802	50.9
3 Vinyl Chloride	62	1.096	1.101	(0.259)	88145	48.5924	48.6
4 Bromomethane	94	1.253	1.253	(0.296)	68853	54.5668	54.6
139 Methyl Acetate	43	2.100	2.100	(0.497)	32229	39.1245	39.1
5 Chloroethane	64	1.295	1.295	(0.306)	53406	53.6058	53.6
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	182749	50.0819	50.1
7 Diethyl ether	74	1.535	1.541	(0.363)	28375	45.1725	45.2
8 Acrolein	56	1.608	1.609	(0.380)	120626	1499.12	1500
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	78991	47.8369	47.8
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	99648	54.8458	54.8
11 Acetone	43	1.687	1.687	(0.399)	52266	168.394	168
12 Iodomethane	142	1.760	1.760	(0.416)	305309	102.420	102
13 Carbon Disulfide	76	1.802	1.802	(0.426)	407821	93.0012	93.0
142 Acetonitrile	41	1.859	1.860	(0.440)	238789		
14 allyl chloride	41	1.859	1.860	(0.440)	238789	92.7214	92.7
15 Methylene Chloride	84	1.933	1.933	(0.457)	85107	54.4604	54.5
16 Acrylonitrile	53	2.079	2.085	(0.492)	262220	826.506	826
17 tert-Butyl Alcohol	59	1.535	1.541	(0.363)	44799	92.5996	92.6
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	91839	50.9030	50.9
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	146456	81.6223	81.6
20 n-Hexane	57	2.283	2.289	(0.540)	124140	49.1677	49.2
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	142411	46.2156	46.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	23 Vinyl Acetate	43	2.429	2.430	(0.575)	206199	103.132	103
	143 Chloroprene	53	2.466	2.472	(0.583)	85136		
	24 2,2-Dichloropropane	77	2.890	2.885	(0.683)	39587	39.6394	39.6
	144 Methacrylonitrile	41	3.188	3.178	(0.754)	14266		
	25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	93723	50.4148	50.4
	26 2-Butanone	43	2.900	2.906	(0.686)	84252	204.449	204
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	111018	51.7267	51.7
	29 Bromochloromethane	49	3.125	3.120	(0.739)	67304	49.7843	49.8
	31 Chloroform	83	3.204	3.209	(0.758)	149257	48.8640	48.9
$	32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	90653	48.7233	48.7
	33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	96252	45.3645	45.4
	35 Carbon Tetrachloride	117	3.606	3.607	(0.853)	87535	45.7633	45.8
	36 1,1-Dichloropropene	75	3.606	3.607	(0.853)	106759	50.7973	50.8
	37 Isobutyl alcohol	43	2.900	2.906	(0.686)	84252	40.8904	40.9
	140 Cyclohexane	56	3.470	3.471	(0.821)	138484	50.6760	50.7
	38 Benzene	78	3.868	3.873	(0.915)	315128	51.4181	51.4
	39 1,2-Dichloroethane	62	3.894	3.899	(0.921)	85539	48.4039	48.4
	138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	301198	47.9528	48.0
	141 Methylcyclohexane	55	4.888	4.888	(1.156)	113044	47.0995	47.1
*	40 Fluorobenzene	96	4.229	4.229	(1.000)	343191	50.0000	
	41 Trichloroethene	95	4.668	4.674	(1.104)	92506	50.7834	50.8
	42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	78602	50.3565	50.4
	43 Dibromomethane	93	5.066	5.066	(1.198)	38100	48.5712	48.6
	44 Methyl methacrylate	69	5.123	5.123	(1.211)	18572	36.6595	36.6
	147 1,4-Dioxane	88	5.123	5.118	(1.211)	6663		
	45 Bromodichloromethane	83	5.259	5.265	(1.244)	90471	50.6057	50.6
	47 cis-1,3-Dichloropropene	75	5.772	5.777	(0.785)	74904	41.1145	41.1
	48 4-Methyl-2-Pentanone	43	5.970	5.971	(0.812)	167535	200.019	200
$	49 Toluene-d8	98	6.059	6.060	(0.824)	344082	51.7015	51.7
	50 Toluene	91	6.127	6.128	(0.833)	366645	49.3828	49.4
	51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	46987	39.4175	39.4
	52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	37255	36.9094	36.9
	53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	43835	52.3465	52.3
	54 Tetrachloroethene	166	6.671	6.671	(0.907)	104975	44.1116	44.1
	55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	86078	52.6143	52.6
	56 2-Hexanone	43	6.812	6.813	(0.926)	106009	197.955	198
	57 Dibromochloromethane	129	6.901	6.902	(0.938)	61652	46.4103	46.4
	58 1,2-Dibromoethane	107	6.980	6.980	(0.949)	49912	46.6413	46.6
*	59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	231355	50.0000	
	60 Chlorobenzene	112	7.377	7.378	(1.003)	253996	52.6305	52.6
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	68327	47.3962	47.4
	62 Ethylbenzene	106	7.466	7.466	(1.015)	139869	53.9028	53.9
	63 m&p-Xylene	106	7.555	7.555	(1.027)	345569	100.869	101
	65 o-Xylene	106	7.827	7.827	(1.064)	164026	52.8926	52.9
	66 Styrene	104	7.838	7.838	(1.065)	195367	39.0827	39.1
	67 Bromoform	173	7.953	7.953	(0.899)	26792	43.2972	43.3
	68 Isopropylbenzene	105	8.429	8.429	(1.146)	285693	41.6420	41.6
	69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	7414	37.3739	37.4(Q)
$	70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	96903	49.0542	49.0
	71 Bromobenzene	77	8.251	8.251	(1.122)	119938	50.8189	50.8
	72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	51439	46.9460	46.9
	73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	41105	43.9873	44.0
	74 n-Propylbenzene	91	8.324	8.324	(0.941)	490887	52.4283	52.4
	75 2-Chlorotoluene	91	8.371	8.371	(0.947)	276793	51.7287	51.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
76	4-Chlorotoluene	126	8.439	8.439	(0.954)	109816	50.4747	50.5
77	1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	285693	42.1657	42.2
78	tert-Butylbenzene	119	8.617	8.617	(0.975)	377654	49.1983	49.2
79	1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	264517	41.1100	41.1
80	sec-Butylbenzene	105	8.742	8.743	(0.989)	479476	54.9078	54.9
81	1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	203943	51.7621	51.8
* 82	1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	128506	50.0000	
83	p-Isopropyltoluene	119	8.617	8.617	(0.975)	377654	49.1983	49.2
84	1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	186231	45.1918	45.2
85	1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	178265	51.5773	51.6
86	n-Butylbenzene	91	9.041	9.041	(1.022)	303621	42.6319	42.6
87	1,2-Dibromo-3-chloropropane	155	9.464	9.459	(1.070)	4583	39.4655	39.5
88	1,2,4-Trichlorobenzene	180	9.877	9.872	(1.117)	93031	42.5380	42.5
89	Hexachlorobutadiene	225	9.956	9.951	(1.126)	70500	46.3274	46.3
90	Naphthalene	128	10.013	10.008	(1.132)	126368	36.1980	36.2
91	1,2,3-Trichlorobenzene	180	10.139	10.134	(1.147)	85373	46.7924	46.8
92	2,methyl-naphthalene	142	10.646	10.641	(1.204)	51657	34.9382	34.9

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A05.D
Lab Smp Id: 287804
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: ms025
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	343191	-8.16
59 Chlorobenzene-d5	255255	127628	510510	231355	-9.36
82 1,4-Dichlorobenze	136223	68112	272446	128506	-5.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287804
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: ms025
Operator: ala
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	41.2	82.42	30-163
2 Chloromethane	50.0	50.9	101.76	36-136
3 Vinyl Chloride	50.0	48.6	97.18	51-144
4 Bromomethane	50.0	54.6	109.13	30-170
5 Chloroethane	50.0	53.6	107.21	54-157
6 Trichlorofluoromet	50.0	50.1	100.16	53-162
28 1,2-dichlorotriflu	50.0	51.7	103.45	50-150
7 Diethyl ether	50.0	45.2	90.34	70-130
8 Acrolein	1000	1500	149.91	30-170
9 1,1-Dichloroethene	50.0	47.8	95.67	55-140
10 1,1,2trichlorotrif	50.0	54.8	109.69	50-150
11 Acetone	250	168	67.36	30-170
12 Iodomethane	100	102	102.42	28-168
13 Carbon Disulfide	100	93.0	93.00	46-162
139 Methyl Acetate	50.0	39.1	78.25	40-182
14 allyl chloride	100	92.7	92.72	39-155
15 Methylene Chloride	50.0	54.5	108.92	46-154
16 Acrylonitrile	1000	826	82.65	66-137
27 Propionitrile	50.0	0.000	*	50-150
17 tert-Butyl Alcohol	100	92.6	92.60	50-150
18 1,2-Dichloroethene	50.0	50.9	101.81	60-137
19 Methyl-tert-butyl	100	81.6	81.62	52-156
20 n-Hexane	50.0	49.2	98.34	32-176
21 1,1-Dichloroethane	50.0	46.2	92.43	68-139
23 Vinyl Acetate	200	103	51.57	24-132
25 1,2-Dichloroethene	50.0	50.4	100.83	65-132
24 2,2-Dichloropropan	50.0	39.6	79.28	35-157
26 2-Butanone	250	204	81.78	62-132
29 Bromochloromethane	50.0	49.8	99.57	65-157
30 Tetrahydrofuran	50.0	0.000	*	50-150
31 Chloroform	50.0	48.9	97.73	67-134
33 1,1,1-Trichloroeth	50.0	45.4	90.73	64-143
140 Cyclohexane	50.0	50.7	101.35	39-167
37 Isobutyl alcohol	50.0	40.9	81.78	50-150
36 1,1-Dichloropropen	50.0	50.8	101.59	66-140
35 Carbon Tetrachlori	50.0	45.8	91.53	54-145
38 Benzene	50.0	51.4	102.84	63-141
39 1,2-Dichloroethane	50.0	48.4	96.81	63-148
41 Trichloroethene	50.0	50.8	101.57	61-137
141 Methylcyclohexane	50.0	47.1	94.20	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	50.4	100.71	70-136
43 Dibromomethane	50.0	48.6	97.14	67-144
44 Methyl methacrylat	50.0	36.6	73.32	50-150
45 Bromodichlorometha	50.0	50.6	101.21	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	41.1	82.23	46-121
48 4-Methyl-2-Pentano	250	200	80.01	57-135
50 Toluene	50.0	49.4	98.77	59-142
51 trans-1,3-Dichloro	50.0	39.4	78.83	43-117
52 Ethyl Methacrylate	50.0	36.9	73.82	52-140
53 1,1,2-Trichloroeth	50.0	52.3	104.69	71-143
54 Tetrachloroethene	50.0	44.1	88.22	25-146
55 1,3-Dichloropropan	50.0	52.6	105.23	65-133
56 2-Hexanone	250	198	79.18	61-141
57 Dibromochlorometha	50.0	46.4	92.82	64-124
58 1,2-Dibromoethane	50.0	46.6	93.28	67-134
60 Chlorobenzene	50.0	52.6	105.26	56-133
61 1,1,1,2-Tetrachlor	50.0	47.4	94.79	55-131
62 Ethylbenzene	50.0	53.9	107.81	44-151
63 m&p-Xylene	100	101	100.87	41-153
65 o-Xylene	50.0	52.9	105.79	52-139
66 Styrene	50.0	39.1	78.17	38-141
67 Bromoform	50.0	43.3	86.59	58-124
68 Isopropylbenzene	50.0	41.6	83.28	40-148
69 trans-1,4-Dichloro	50.0	37.4	74.75	44-139
72 1,1,2,2-Tetrachlor	50.0	46.9	93.89	64-142
71 Bromobenzene	50.0	50.8	101.64	57-128
73 1,2,3-Trichloropro	50.0	44.0	87.97	33-140
74 n-Propylbenzene	50.0	52.4	104.86	40-148
75 2-Chlorotoluene	50.0	51.7	103.46	44-143
76 4-Chlorotoluene	50.0	50.5	100.95	43-140
77 1,3,5-Trimethylben	50.0	42.2	84.33	39-145
78 tert-Butylbenzene	50.0	49.2	98.40	32-133
79 1,2,4-Trimethylben	50.0	41.1	82.22	39-146
80 sec-Butylbenzene	50.0	54.9	109.82	38-150
81 1,3-Dichlorobenzen	50.0	51.8	103.52	40-143
83 p-Isopropyltoluene	50.0	49.2	98.40	34-146
84 1,4-Dichlorobenzen	50.0	45.2	90.38	38-142
86 n-Butylbenzene	50.0	42.6	85.26	27-153
85 1,2-Dichlorobenzen	50.0	51.6	103.15	48-137
88 1,2,4-Trichloroben	50.0	42.5	85.08	39-146
91 1,2,3-Trichloroben	50.0	46.8	93.58	33-140
87 1,2-Dibromo-3-chlo	50.0	39.5	78.93	39-140
89 Hexachlorobutadien	50.0	46.3	92.65	30-145
90 Naphthalene	50.0	36.2	72.40	44-138
92 2,methyl-naphthale	50.0	34.9	69.88	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	48.7	97.45	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	51.7	103.40	80-116
$ 70 4-Bromofluorobenze	50.0	49.0	98.11	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287804
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: ms025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	41.2	
74-87-3	Chloromethane	50.9	
75-01-4	Vinyl Chloride	48.6	
74-83-9	Bromomethane	54.6	
79-20-9	Methyl Acetate	39.1	
75-00-3	Chloroethane	53.6	
75-69-4	Trichlorofluoromethane	50.1	
60-29-7	Diethyl ether	45.2	
107-02-8	Acrolein	1500	
75-35-4	1,1-Dichloroethene	47.8	
76-13-1	1,1,2trichlorotrifluoroethan	54.8	
67-64-1	Acetone	168	
	Iodomethane	102	
75-15-0	Carbon Disulfide	93.0	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	92.7	
75-09-2	Methylene Chloride	54.5	
107-13-1	Acrylonitrile	826	
75-65-0	tert-Butyl Alcohol	92.6	
156-60-5	1,2-Dichloroethene (trans)	50.9	
1634-04-4	Methyl-tert-butyl ether	81.6	
	n-Hexane	49.2	
75-34-3	1,1-Dichloroethane	46.2	
108-05-4	Vinyl Acetate	103	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	39.6	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	50.4	
78-93-3	2-Butanone	204	
354-23-4	1,2-dichlorotrifluoroethane	51.7	
74-97-5	Bromochloromethane	49.8	
67-66-3	Chloroform	48.9	
71-55-6	1,1,1-Trichloroethane	45.4	
56-23-5	Carbon Tetrachloride	45.8	
563-58-6	1,1-Dichloropropene	50.8	
78-83-1	Isobutyl alcohol	40.9	
110-82-7	Cyclohexane	50.7	
71-43-2	Benzene	51.4	
107-06-2	1,2-Dichloroethane	48.4	
540-84-1	2,2,4-Trimethylpentane	48.0	
108-87-2	Methylcyclohexane	47.1	
79-01-6	Trichloroethene	50.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287804
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: ms025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	50.4	
74-95-3	Dibromomethane	48.6	
80-62-6	Methyl methacrylate	36.6	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	50.6	
10061-01-5	cis-1,3-Dichloropropene	41.1	
108-10-1	4-Methyl-2-Pentanone	200	
108-88-3	Toluene	49.4	
10061-02-6	trans-1,3-Dichloropropene	39.4	
	Ethyl Methacrylate	36.9	
79-00-5	1,1,2-Trichloroethane	52.3	
127-18-4	Tetrachloroethene	44.1	
142-28-9	1,3-Dichloropropane	52.6	
591-78-6	2-Hexanone	198	
124-48-1	Dibromochloromethane	46.4	
106-93-4	1,2-Dibromoethane	46.6	
108-90-7	Chlorobenzene	52.6	
630-20-6	1,1,1,2-Tetrachloroethane	47.4	
100-41-4	Ethylbenzene	53.9	
7816-60-0	m&p-Xylene	101	
95-47-6	o-Xylene	52.9	
100-42-5	Styrene	39.1	
75-25-2	Bromoform	43.3	
98-82-8	Isopropylbenzene	41.6	
	trans-1,4-Dichloro-2-butene	37.4	
108-86-1	Bromobenzene	50.8	
79-34-5	1,1,2,2-Tetrachloroethane	46.9	
96-18-4	1,2,3-Trichloropropane	44.0	
103-65-1	n-Propylbenzene	52.4	
95-49-8	2-Chlorotoluene	51.7	
106-43-4	4-Chlorotoluene	50.5	
108-67-8	1,3,5-Trimethylbenzene	42.2	
98-06-6	tert-Butylbenzene	49.2	
95-63-6	1,2,4-Trimethylbenzene	41.1	
135-98-8	sec-Butylbenzene	54.9	
541-73-1	1,3-Dichlorobenzene	51.8	
99-87-6	p-Isopropyltoluene	49.2	
106-46-7	1,4-Dichlorobenzene	45.2	
95-50-1	1,2-Dichlorobenzene	51.6	
104-51-8	n-Butylbenzene	42.6	
96-12-8	1,2-Dibromo-3-chloropropane	39.5	
120-82-1	1,2,4-Trichlorobenzene	42.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287804
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

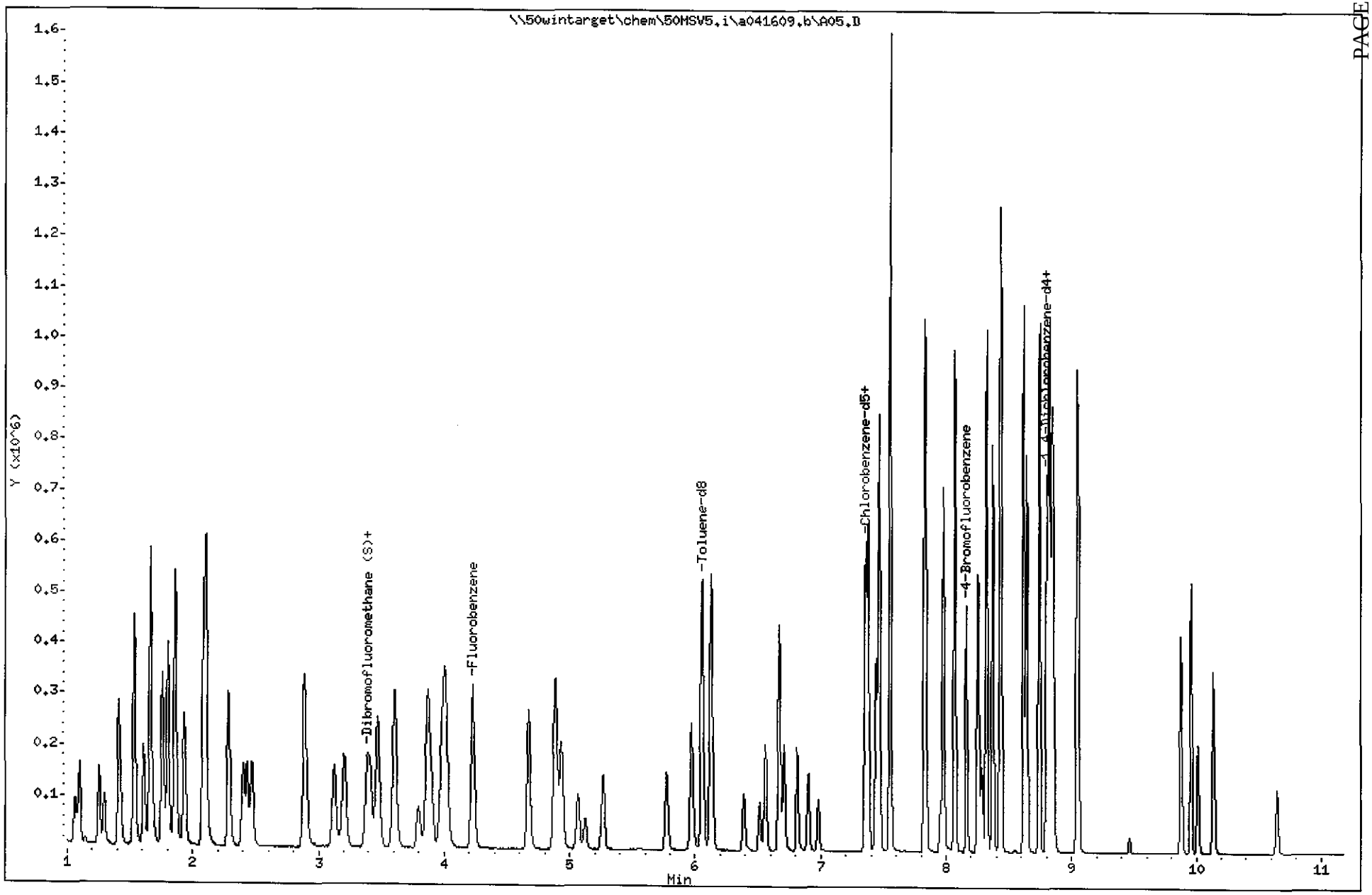
Client SDG: a041609.b
Client Smp ID: ms025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	46.3	
91-20-3	Naphthalene	36.2	
87-61-6	1,2,3-Trichlorobenzene	46.8	
	2,methyl-naphthalene	34.9	
1868-53-7	Dibromofluoromethane (S)	48.7	
2037-26-5	Toluene-d8	51.7	
460-00-4	4-Bromofluorobenzene	49.0	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A05.D
Date : 16-APR-2009 13:20
Client ID: ms025
Sample Info: ms025
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A05.D

Date : 16-APR-2009 13:20

Client ID: ms025

Instrument: 50MSV5.i

Sample Info: ms025

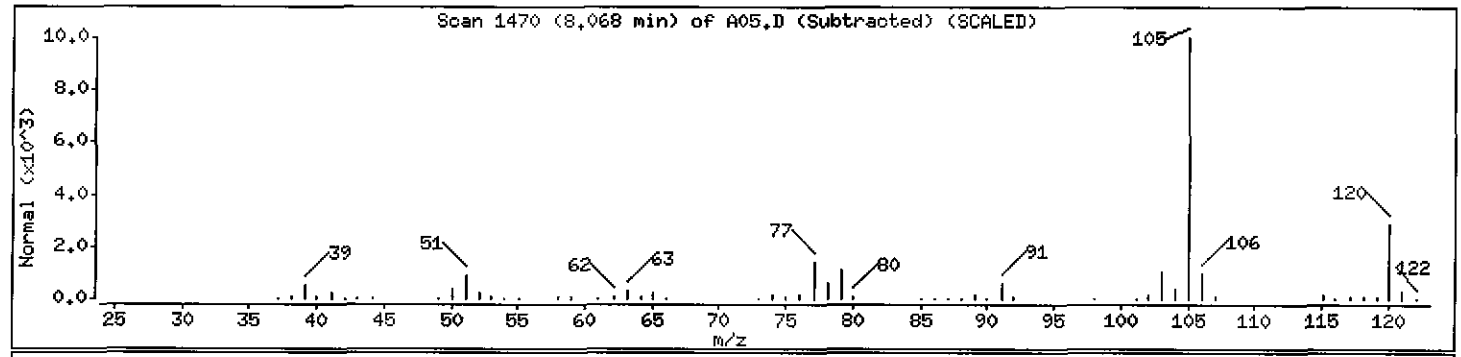
Purge Volume: 5.0

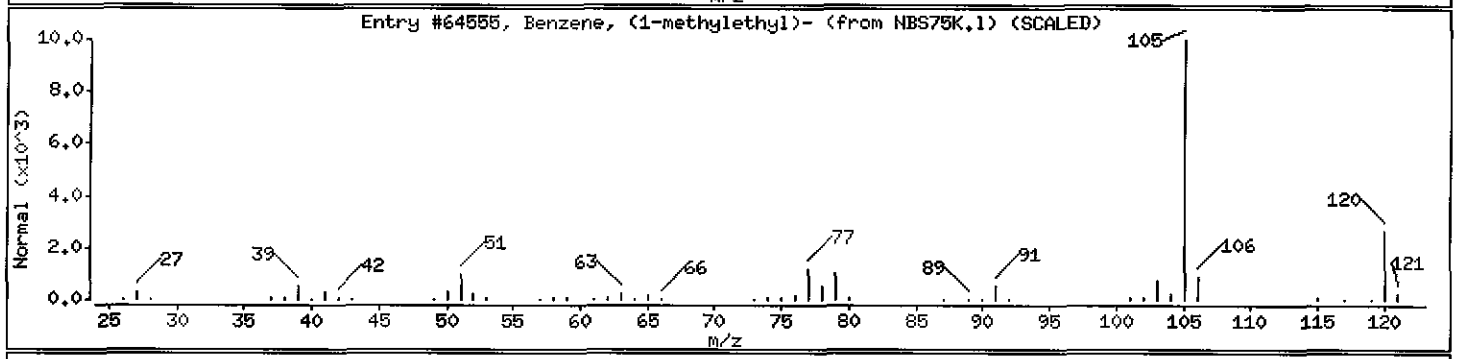
Operator: ala

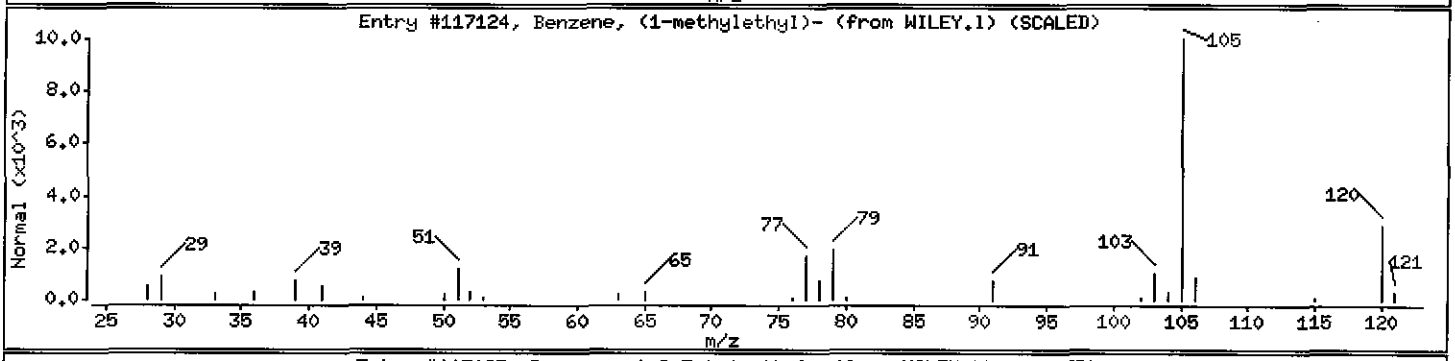
Column phase: DB-624

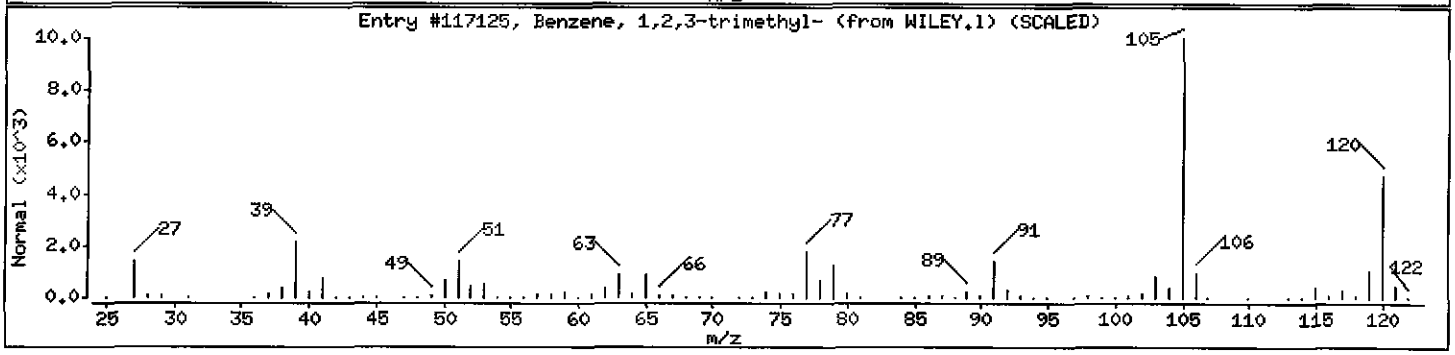
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117124	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A06.D
Lab Smp Id: 287805 Client Smp ID: msd025
Inj Date : 16-APR-2009 13:56
Operator : ala Inst ID: 50MSV5.i
Smp Info : msd025
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 13 QC Sample: MSD
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	0.965	0.965	(0.229)	70937	41.9640	42.0
2 Chloromethane	50	1.059	1.059	(0.251)	93977	51.2674	51.3
3 Vinyl Chloride	62	1.101	1.101	(0.261)	85039	47.8179	47.8
4 Bromomethane	94	1.253	1.253	(0.297)	68223	55.1490	55.1
139 Methyl Acetate	43	2.100	2.100	(0.497)	34337	41.7985	41.8
5 Chloroethane	64	1.295	1.295	(0.307)	52948	54.2639	54.3
6 Trichlorofluoromethane	101	1.410	1.410	(0.334)	182658	51.0582	51.0
7 Diethyl ether	74	1.535	1.541	(0.364)	27810	45.1573	45.2
8 Acrolein	56	1.608	1.609	(0.381)	116457	1476.26	1480
9 1,1-Dichloroethene	96	1.666	1.666	(0.395)	75807	46.8269	46.8
10 1,1,2trichlorotrifluoroethane	101	1.655	1.656	(0.392)	97418	54.6705	54.7
11 Acetone	43	1.687	1.687	(0.399)	51752	170.719	171
12 Iodomethane	142	1.755	1.760	(0.416)	298009	101.940	102
13 Carbon Disulfide	76	1.802	1.802	(0.427)	397108	92.2712	92.3
142 Acetonitrile	41	1.859	1.860	(0.440)	236370		
14 allyl chloride	41	1.859	1.860	(0.440)	236370	93.6180	93.6
15 Methylene Chloride	84	1.933	1.933	(0.458)	82171	53.4794	53.5
16 Acrylonitrile	53	2.079	2.085	(0.492)	259202	833.335	833
17 tert-Butyl Alcohol	59	1.540	1.541	(0.365)	44079	92.9338	92.9
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	88825	50.2172	50.2
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	151818	85.3644	85.4
20 n-Hexane	57	2.283	2.289	(0.541)	116497	46.9127	46.9
21 1,1-Dichloroethane	63	2.398	2.398	(0.568)	137488	45.5105	45.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	23 Vinyl Acetate	43	2.430	2.430	(0.575)	206413	105.052	105
	143 Chloroprene	53	2.466	2.472	(0.584)	77522		
	24 2,2-Dichloropropane	77	2.890	2.885	(0.684)	42606	42.7429	42.7
	144 Methacrylonitrile	41	3.183	3.178	(0.754)	14254		
	25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.683)	90404	49.6022	49.6
	26 2-Butanone	43	2.900	2.906	(0.687)	83593	206.908	207
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.364)	107511	51.0946	51.1
	29 Bromochloromethane	49	3.120	3.120	(0.739)	65878	49.6969	49.7
	31 Chloroform	83	3.204	3.209	(0.759)	145008	48.4225	48.4
$	32 Dibromofluoromethane (S)	113	3.381	3.387	(0.801)	92437	50.6759	50.7
	33 1,1,1-Trichloroethane	97	3.408	3.413	(0.807)	97843	46.8403	46.8
	35 Carbon Tetrachloride	117	3.601	3.607	(0.853)	87984	46.7674	46.8
	36 1,1-Dichloropropene	75	3.601	3.607	(0.853)	102562	49.7764	49.8
	37 Isobutyl alcohol	43	2.900	2.906	(0.687)	83593	41.3821	41.4
	140 Cyclohexane	56	3.470	3.471	(0.822)	135466	50.5631	50.6
	38 Benzene	78	3.868	3.873	(0.916)	304382	50.6581	50.6
	39 1,2-Dichloroethane	62	3.894	3.899	(0.922)	82590	47.6700	47.7
	138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.944)	293338	47.6356	47.6
	141 Methylcyclohexane	55	4.883	4.888	(1.156)	104962	44.5187	44.5
*	40 Fluorobenzene	96	4.224	4.229	(1.000)	336461	50.0000	
	41 Trichloroethene	95	4.668	4.674	(1.105)	87981	49.1682	49.2
	42 1,2-Dichloropropane	63	4.935	4.935	(1.168)	78775	51.4768	51.5
	43 Dibromomethane	93	5.066	5.066	(1.199)	37642	48.9704	49.0
	44 Methyl methacrylate	69	5.123	5.123	(1.213)	17070	34.6517	34.6
	147 1,4-Dioxane	88	5.123	5.118	(1.213)	7404		
	45 Bromodichloromethane	83	5.264	5.265	(1.246)	90147	51.4331	51.4
	47 cis-1,3-Dichloropropene	75	5.772	5.777	(0.785)	74432	40.3661	40.4
	48 4-Methyl-2-Pentanone	43	5.970	5.971	(0.812)	165590	194.810	195
$	49 Toluene-d8	98	6.059	6.060	(0.824)	342850	50.7497	50.7
	50 Toluene	91	6.127	6.128	(0.833)	352068	46.7138	46.7
	51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	47335	39.2033	39.2
	52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	37125	36.3121	36.3
	53 1,1,2-Trichloroethane	83	6.556	6.562	(0.891)	42341	49.8099	49.8
	54 Tetrachloroethene	166	6.671	6.671	(0.907)	99646	41.2492	41.2
	55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	82508	49.6816	49.7
	56 2-Hexanone	43	6.813	6.813	(0.926)	106821	196.525	196
	57 Dibromochloromethane	129	6.901	6.902	(0.938)	59823	44.4923	44.5
	58 1,2-Dibromoethane	107	6.980	6.980	(0.949)	48604	44.7646	44.8
*	59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	234850	50.0000	
	60 Chlorobenzene	112	7.377	7.378	(1.003)	255058	52.0641	52.1
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	64758	44.6357	44.6
	62 Ethylbenzene	106	7.466	7.466	(1.015)	136453	51.8038	51.8
	63 m&p-Xylene	106	7.555	7.555	(1.027)	339978	97.7603	97.8
	65 o-Xylene	106	7.827	7.827	(1.064)	160833	51.0912	51.1
	66 Styrene	104	7.838	7.838	(1.065)	171454	34.2017	34.2
	67 Bromoform	173	7.953	7.953	(0.899)	25523	40.2431	40.2
	68 Isopropylbenzene	105	8.429	8.429	(1.146)	274709	39.6384	39.6
	69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	7955	39.1022	39.1
$	70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	102328	51.0296	51.0
	71 Bromobenzene	77	8.251	8.251	(1.122)	120758	50.4049	50.4
	72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	50014	44.0181	44.0
	73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	40883	42.1900	42.2
	74 n-Propylbenzene	91	8.324	8.324	(0.941)	489034	50.3682	50.4
	75 2-Chlorotoluene	91	8.371	8.371	(0.947)	274980	49.5577	49.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
76	4-Chlorotoluene	126	8.439	8.439	(0.954)	109933	48.7269	48.7
77	1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	274709	39.0990	39.1
78	tert-Butylbenzene	119	8.617	8.617	(0.975)	373686	46.9457	46.9
79	1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	250014	37.4707	37.5
80	sec-Butylbenzene	105	8.742	8.743	(0.989)	475694	52.5325	52.5
81	1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	207028	50.6717	50.7
* 82	1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	133257	50.0000	
83	p-Isopropyltoluene	119	8.617	8.617	(0.975)	373686	46.9457	46.9
84	1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	189959	44.4530	44.4
85	1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	180014	50.2264	50.2
86	n-Butylbenzene	91	9.041	9.041	(1.022)	300766	40.7328	40.7
87	1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	4758	39.5025	39.5
88	1,2,4-Trichlorobenzene	180	9.872	9.872	(1.117)	95658	42.1891	42.2
89	Hexachlorobutadiene	225	9.951	9.951	(1.125)	70602	44.7791	44.8
90	Naphthalene	128	10.008	10.008	(1.132)	125905	34.8371	34.8
91	1,2,3-Trichlorobenzene	180	10.134	10.134	(1.146)	86930	45.9435	45.9
92	2,methyl-naphthalene	142	10.641	10.641	(1.203)	53121	34.7312	34.7

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A06.D
Lab Smp Id: 287805
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: msd025
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	336461	-9.96
59 Chlorobenzene-d5	255255	127628	510510	234850	-7.99
82 1,4-Dichlorobenze	136223	68112	272446	133257	-2.18

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.22	-0.13
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287805
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: msd025
Operator: ala
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	42.0	83.93	30-163
2 Chloromethane	50.0	51.3	102.53	36-136
3 Vinyl Chloride	50.0	47.8	95.64	51-144
4 Bromomethane	50.0	55.1	110.30	30-170
5 Chloroethane	50.0	54.3	108.53	54-157
6 Trichlorofluoromet	50.0	51.0	102.12	53-162
28 1,2-dichlorotriflu	50.0	51.1	102.19	50-150
7 Diethyl ether	50.0	45.2	90.31	70-130
8 Acrolein	1000	1480	147.63	30-170
9 1,1-Dichloroethene	50.0	46.8	93.65	55-140
10 1,1,2trichlorotrif	50.0	54.7	109.34	50-150
11 Acetone	250	171	68.29	30-170
12 Iodomethane	100	102	101.94	28-168
13 Carbon Disulfide	100	92.3	92.27	46-162
139 Methyl Acetate	50.0	41.8	83.60	40-182
14 allyl chloride	100	93.6	93.62	39-155
15 Methylene Chloride	50.0	53.5	106.96	46-154
16 Acrylonitrile	1000	833	83.33	66-137
27 Propionitrile	50.0	0.000	*	50-150
17 tert-Butyl Alcohol	100	92.9	92.93	50-150
18 1,2-Dichloroethene	50.0	50.2	100.43	60-137
19 Methyl-tert-butyl	100	85.4	85.36	52-156
20 n-Hexane	50.0	46.9	93.83	32-176
21 1,1-Dichloroethane	50.0	45.5	91.02	68-139
23 Vinyl Acetate	200	105	52.53	24-132
25 1,2-Dichloroethene	50.0	49.6	99.20	65-132
24 2,2-Dichloropropan	50.0	42.7	85.49	35-157
26 2-Butanone	250	207	82.76	62-132
29 Bromochloromethane	50.0	49.7	99.39	65-157
30 Tetrahydrofuran	50.0	0.000	*	50-150
31 Chloroform	50.0	48.4	96.85	67-134
33 1,1,1-Trichloroeth	50.0	46.8	93.68	64-143
140 Cyclohexane	50.0	50.6	101.13	39-167
37 Isobutyl alcohol	50.0	41.4	82.76	50-150
36 1,1-Dichloropropen	50.0	49.8	99.55	66-140
35 Carbon Tetrachlori	50.0	46.8	93.53	54-145
38 Benzene	50.0	50.6	101.32	63-141
39 1,2-Dichloroethane	50.0	47.7	95.34	63-148
41 Trichloroethene	50.0	49.2	98.34	61-137
141 Methylcyclohexane	50.0	44.5	89.04	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	51.5	102.95	70-136
43 Dibromomethane	50.0	49.0	97.94	67-144
44 Methyl methacrylat	50.0	34.6	69.30	50-150
45 Bromodichlorometha	50.0	51.4	102.87	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	40.4	80.73	46-121
48 4-Methyl-2-Pentano	250	195	77.92	57-135
50 Toluene	50.0	46.7	93.43	59-142
51 trans-1,3-Dichloro	50.0	39.2	78.41	43-117
52 Ethyl Methacrylate	50.0	36.3	72.62	52-140
53 1,1,2-Trichloroeth	50.0	49.8	99.62	71-143
54 Tetrachloroethene	50.0	41.2	82.50	25-146
55 1,3-Dichloropropan	50.0	49.7	99.36	65-133
56 2-Hexanone	250	196	78.61	61-141
57 Dibromochlorometha	50.0	44.5	88.98	64-124
58 1,2-Dibromoethane	50.0	44.8	89.53	67-134
60 Chlorobenzene	50.0	52.1	104.13	56-133
61 1,1,1,2-Tetrachlor	50.0	44.6	89.27	55-131
62 Ethylbenzene	50.0	51.8	103.61	44-151
63 m&p-Xylene	100	97.8	97.76	41-153
65 o-Xylene	50.0	51.1	102.18	52-139
66 Styrene	50.0	34.2	68.40	38-141
67 Bromoform	50.0	40.2	80.49	58-124
68 Isopropylbenzene	50.0	39.6	79.28	40-148
69 trans-1,4-Dichloro	50.0	39.1	78.20	44-139
72 1,1,2,2-Tetrachlor	50.0	44.0	88.04	64-142
71 Bromobenzene	50.0	50.4	100.81	57-128
73 1,2,3-Trichloropro	50.0	42.2	84.38	33-140
74 n-Propylbenzene	50.0	50.4	100.74	40-148
75 2-Chlorotoluene	50.0	49.6	99.12	44-143
76 4-Chlorotoluene	50.0	48.7	97.45	43-140
77 1,3,5-Trimethylben	50.0	39.1	78.20	39-145
78 tert-Butylbenzene	50.0	46.9	93.89	32-133
79 1,2,4-Trimethylben	50.0	37.5	74.94	39-146
80 sec-Butylbenzene	50.0	52.5	105.06	38-150
81 1,3-Dichlorobenzen	50.0	50.7	101.34	40-143
83 p-Isopropyltoluene	50.0	46.9	93.89	34-146
84 1,4-Dichlorobenzen	50.0	44.4	88.91	38-142
86 n-Butylbenzene	50.0	40.7	81.47	27-153
85 1,2-Dichlorobenzen	50.0	50.2	100.45	48-137
88 1,2,4-Trichloroben	50.0	42.2	84.38	39-146
91 1,2,3-Trichloroben	50.0	45.9	91.89	33-140
87 1,2-Dibromo-3-chlo	50.0	39.5	79.01	39-140
89 Hexachlorobutadien	50.0	44.8	89.56	30-145
90 Naphthalene	50.0	34.8	69.67	44-138
92 2,methyl-naphthale	50.0	34.7	69.46	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	50.7	101.35	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	50.7	101.50	80-116
$ 70 4-Bromofluorobenze	50.0	51.0	102.06	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287805
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: msd025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	42.0	
74-87-3	Chloromethane	51.3	
75-01-4	Vinyl Chloride	47.8	
74-83-9	Bromomethane	55.1	
79-20-9	Methyl Acetate	41.8	
75-00-3	Chloroethane	54.3	
75-69-4	Trichlorofluoromethane	51.0	
60-29-7	Diethyl ether	45.2	
107-02-8	Acrolein	1480	
75-35-4	1,1-Dichloroethene	46.8	
76-13-1	1,1,2trichlorotrifluoroethan	54.7	
67-64-1	Acetone	171	
	Iodomethane	102	
75-15-0	Carbon Disulfide	92.3	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	93.6	
75-09-2	Methylene Chloride	53.5	
107-13-1	Acrylonitrile	833	
75-65-0	tert-Butyl Alcohol	92.9	
156-60-5	1,2-Dichloroethene (trans)	50.2	
1634-04-4	Methyl-tert-butyl ether	85.4	
	n-Hexane	46.9	
75-34-3	1,1-Dichloroethane	45.5	
108-05-4	Vinyl Acetate	105	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	42.7	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	49.6	
78-93-3	2-Butanone	207	
354-23-4	1,2-dichlorotrifluoroethane	51.1	
74-97-5	Bromochloromethane	49.7	
67-66-3	Chloroform	48.4	
71-55-6	1,1,1-Trichloroethane	46.8	
56-23-5	Carbon Tetrachloride	46.8	
563-58-6	1,1-Dichloropropene	49.8	
78-83-1	Isobutyl alcohol	41.4	
110-82-7	Cyclohexane	50.6	
71-43-2	Benzene	50.6	
107-06-2	1,2-Dichloroethane	47.7	
540-84-1	2,2,4-Trimethylpentane	47.6	
108-87-2	Methylcyclohexane	44.5	
79-01-6	Trichloroethene	49.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287805
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: msd025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	51.5	
74-95-3	Dibromomethane	49.0	
80-62-6	Methyl methacrylate	34.6	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	51.4	
10061-01-5	cis-1,3-Dichloropropene	40.4	
108-10-1	4-Methyl-2-Pentanone	195	
108-88-3	Toluene	46.7	
10061-02-6	trans-1,3-Dichloropropene	39.2	
	Ethyl Methacrylate	36.3	
79-00-5	1,1,2-Trichloroethane	49.8	
127-18-4	Tetrachloroethene	41.2	
142-28-9	1,3-Dichloropropane	49.7	
591-78-6	2-Hexanone	196	
124-48-1	Dibromochloromethane	44.5	
106-93-4	1,2-Dibromoethane	44.8	
108-90-7	Chlorobenzene	52.1	
630-20-6	1,1,1,2-Tetrachloroethane	44.6	
100-41-4	Ethylbenzene	51.8	
7816-60-0	m&p-Xylene	97.8	
95-47-6	o-Xylene	51.1	
100-42-5	Styrene	34.2	
75-25-2	Bromoform	40.2	
98-82-8	Isopropylbenzene	39.6	
	trans-1,4-Dichloro-2-butene	39.1	
108-86-1	Bromobenzene	50.4	
79-34-5	1,1,2,2-Tetrachloroethane	44.0	
96-18-4	1,2,3-Trichloropropane	42.2	
103-65-1	n-Propylbenzene	50.4	
95-49-8	2-Chlorotoluene	49.6	
106-43-4	4-Chlorotoluene	48.7	
108-67-8	1,3,5-Trimethylbenzene	39.1	
98-06-6	tert-Butylbenzene	46.9	
95-63-6	1,2,4-Trimethylbenzene	37.5	
135-98-8	sec-Butylbenzene	52.5	
541-73-1	1,3-Dichlorobenzene	50.7	
99-87-6	p-Isopropyltoluene	46.9	
106-46-7	1,4-Dichlorobenzene	44.4	
95-50-1	1,2-Dichlorobenzene	50.2	
104-51-8	n-Butylbenzene	40.7	
96-12-8	1,2-Dibromo-3-chloropropane	39.5	
120-82-1	1,2,4-Trichlorobenzene	42.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

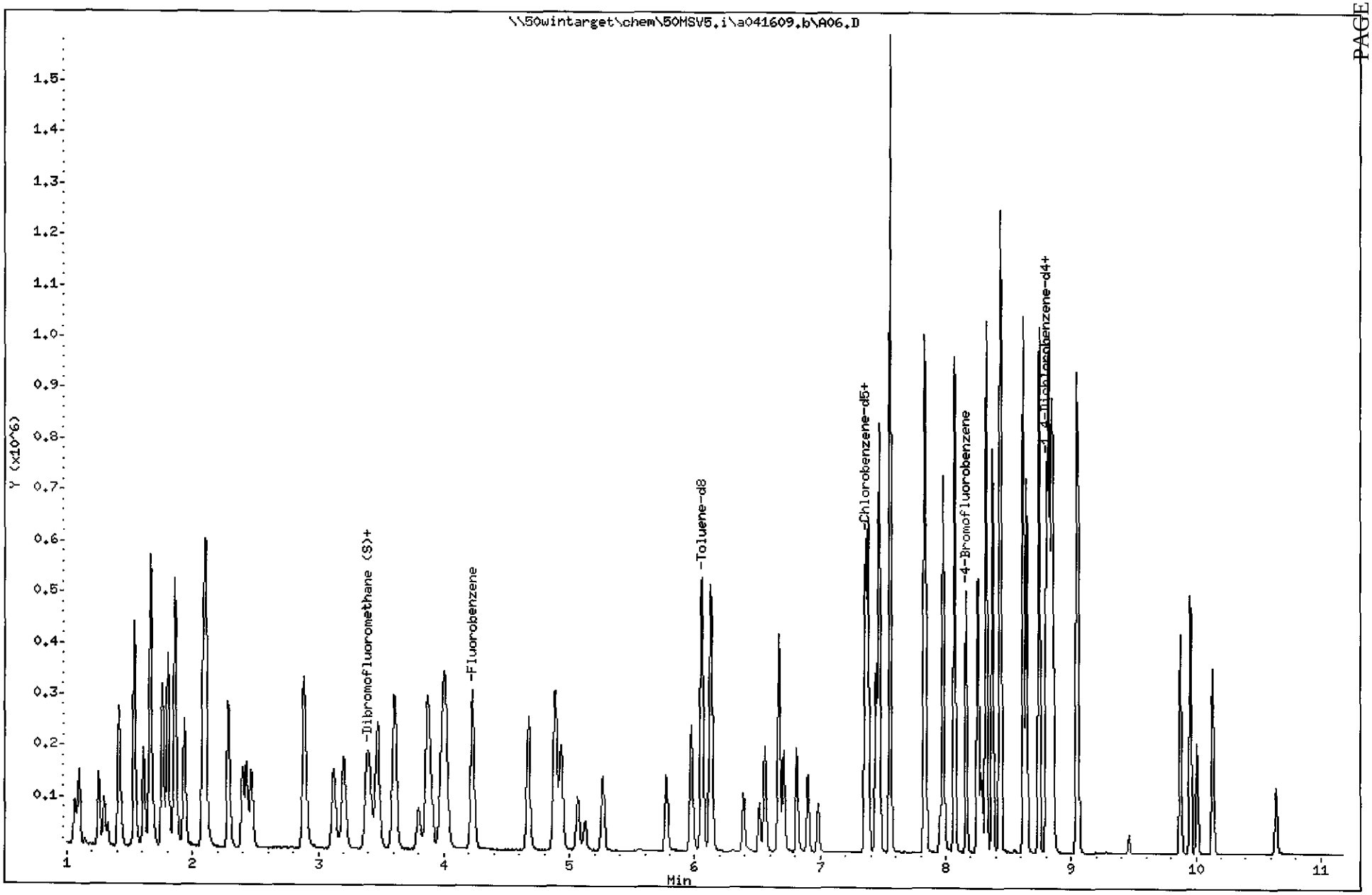
Client Name:
Lab Smp Id: 287805
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: msd025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	44.8	
91-20-3	Naphthalene	34.8	
87-61-6	1,2,3-Trichlorobenzene	45.9	
	2,methyl-naphthalene	34.7	
1868-53-7	Dibromofluoromethane (S)	50.7	
2037-26-5	Toluene-d8	50.7	
460-00-4	4-Bromofluorobenzene	51.0	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A06.D
Date : 16-APR-2009 13:56
Client ID: msd025
Sample Info: msd025
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A06.D

Date : 16-APR-2009 13:56

Client ID: msd025

Instrument: 50MSV5.i

Sample Info: msd025

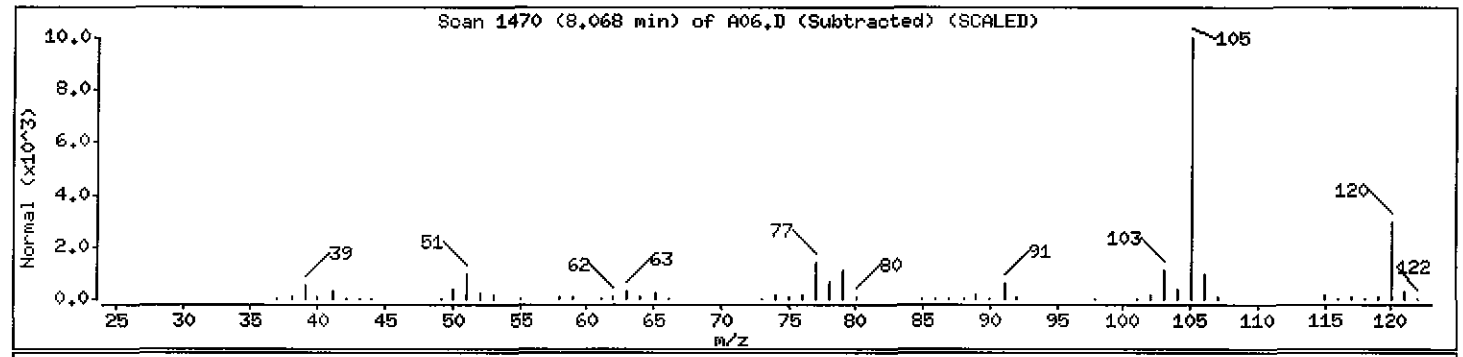
Purge Volume: 5.0

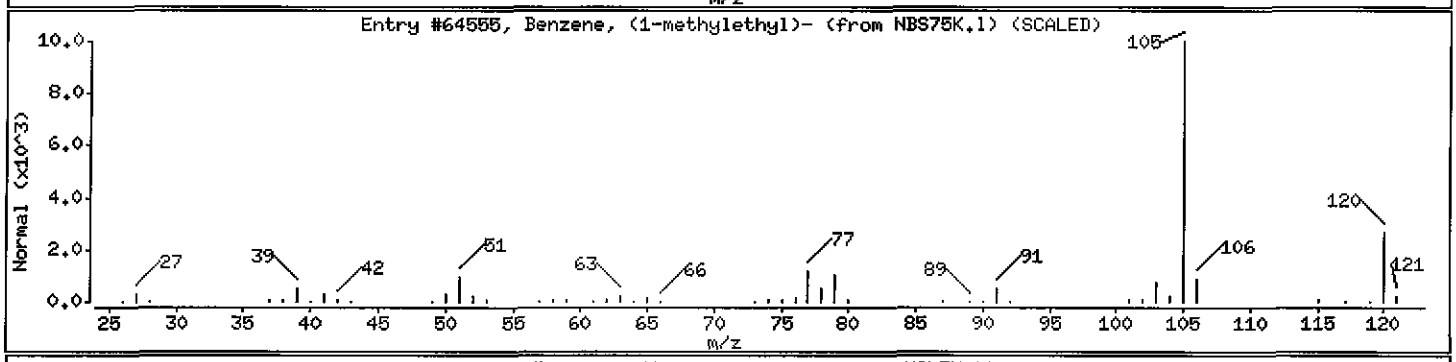
Operator: ala

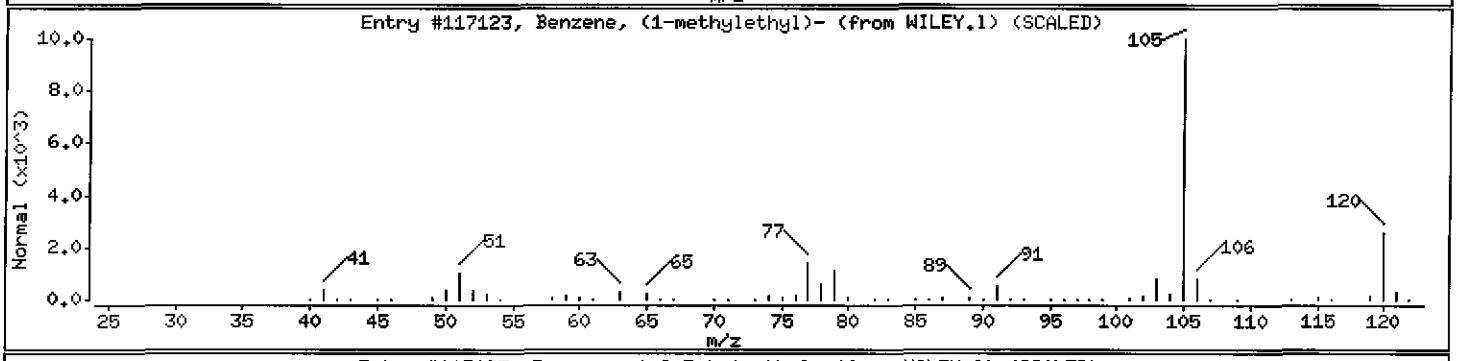
Column phase: DB-624

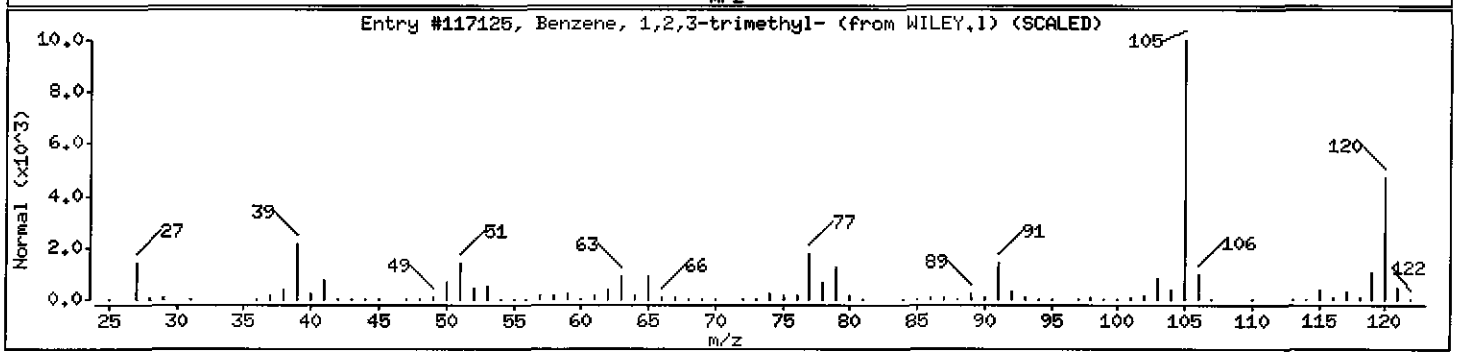
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64555	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117123	94	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C06.D
Lab Smp Id: 287808 Client Smp ID: ms036
Inj Date : 17-APR-2009 00:43
Operator : ala Inst ID: 50MSV5.i
Smp Info : ms036
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 51 QC Sample: MS
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	0.965	0.965	(0.228)	69062	40.9081	40.9
2 Chloromethane	50	1.059	1.059	(0.251)	89739	49.0408	49.0
3 Vinyl Chloride	62	1.101	1.101	(0.260)	83020	46.8145	46.8
4 Bromomethane	94	1.253	1.253	(0.296)	66289	53.7370	53.7
139 Methyl Acetate	43	2.100	2.100	(0.497)	32411	40.0083	40.0
5 Chloroethane	64	1.295	1.295	(0.306)	50214	51.3691	51.4
6 Trichlorofluoromethane	101	1.415	1.410	(0.335)	184078	51.6006	51.6
7 Diethyl ether	74	1.540	1.541	(0.364)	28402	46.3513	46.4
8 Acrolein	56	1.608	1.609	(0.380)	112580	1431.15	1430
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	74746	46.3020	46.3
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	97589	54.9543	55.0
11 Acetone	43	1.687	1.687	(0.399)	55148	186.875	187
12 Iodomethane	142	1.760	1.760	(0.416)	296684	101.763	102
13 Carbon Disulfide	76	1.802	1.802	(0.426)	379349	87.7849	87.8
142 Acetonitrile	41	1.859	1.860	(0.440)	224882		
14 allyl chloride	41	1.859	1.860	(0.440)	224882	89.3197	89.3
15 Methylene Chloride	84	1.933	1.933	(0.457)	79909	51.9030	51.9
16 Acrylonitrile	53	2.084	2.085	(0.493)	274131	883.822	884
17 tert-Butyl Alcohol	59	1.540	1.541	(0.364)	45209	95.5855	95.6
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	86736	49.1748	49.2
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	140167	80.2494	80.2
20 n-Hexane	57	2.288	2.289	(0.541)	119080	48.1766	48.2
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	136103	45.1793	45.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	23 Vinyl Acetate	43	2.430	2.430	(0.575)	165734	86.9138	86.9
	143 Chloroprene	53	2.471	2.472	(0.584)	83475		
	24 2,2-Dichloropropane	77	2.890	2.885	(0.683)	34700	36.3426	36.3
	144 Methacrylonitrile	41	3.183	3.178	(0.753)	14776		
	25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	94762	52.1402	52.1
	26 2-Butanone	43	2.905	2.906	(0.687)	86050	213.591	214
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	104262	49.6906	49.7
	29 Bromochloromethane	49	3.125	3.120	(0.739)	66230	50.1408	50.1
	31 Chloroform	83	3.204	3.209	(0.758)	141569	47.4077	47.4
$	32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	89927	49.4391	49.4
	33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	91341	44.1912	44.2
	35 Carbon Tetrachloride	117	3.606	3.607	(0.853)	82369	44.2720	44.3
	36 1,1-Dichloropropene	75	3.606	3.607	(0.853)	99500	48.4268	48.4
	37 Isobutyl alcohol	43	2.905	2.906	(0.687)	86050	42.7188	42.7
	140 Cyclohexane	56	3.470	3.471	(0.821)	131847	49.3514	49.4
	38 Benzene	78	3.873	3.873	(0.916)	302155	50.4295	50.4
	39 1,2-Dichloroethane	62	3.899	3.899	(0.922)	85060	49.2343	49.2
	138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	291517	47.4736	47.5
	141 Methylcyclohexane	55	4.888	4.888	(1.156)	107904	45.9474	45.9
*	40 Fluorobenzene	96	4.229	4.229	(1.000)	335513	50.0000	
	41 Trichloroethene	95	4.673	4.674	(1.105)	85025	47.5501	47.6
	42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	79543	52.1256	52.1
	43 Dibromomethane	93	5.066	5.066	(1.198)	38790	50.7067	50.7
	44 Methyl methacrylate	69	5.123	5.123	(1.211)	18927	38.0229	38.0
	147 1,4-Dioxane	88	5.123	5.118	(1.211)	7239		
	45 Bromodichloromethane	83	5.264	5.265	(1.245)	92039	52.6610	52.7
	47 cis-1,3-Dichloropropene	75	5.777	5.777	(0.785)	72528	39.9039	39.9
	48 4-Methyl-2-Pentanone	43	5.970	5.971	(0.812)	172136	204.951	205
$	49 Toluene-d8	98	6.059	6.060	(0.824)	339971	50.9576	51.0
	50 Toluene	91	6.127	6.128	(0.833)	354769	47.6652	47.7
	51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	47023	39.3693	39.4
	52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	37393	36.9493	36.9
	53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	45053	53.6680	53.7
	54 Tetrachloroethene	166	6.671	6.671	(0.907)	99782	41.8259	41.8
	55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	86036	52.4587	52.4
	56 2-Hexanone	43	6.812	6.813	(0.926)	107963	201.056	201
	57 Dibromochloromethane	129	6.901	6.902	(0.938)	64604	48.3798	48.4
	58 1,2-Dibromoethane	107	6.985	6.980	(0.950)	50202	46.7946	46.8
*	59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	231928	50.0000	
	60 Chlorobenzene	112	7.377	7.378	(1.003)	245477	50.7396	50.7
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	69034	47.7229	47.7
	62 Ethylbenzene	106	7.466	7.466	(1.015)	132587	50.9702	51.0
	63 m&p-Xylene	106	7.555	7.555	(1.027)	327577	95.3811	95.4
	65 o-Xylene	106	7.827	7.827	(1.064)	156803	50.4386	50.4
	66 Styrene	104	7.838	7.838	(1.065)	193514	38.6528	38.6
	67 Bromoform	173	7.953	7.953	(0.899)	27426	44.5068	44.5
	68 Isopropylbenzene	105	8.429	8.429	(1.146)	271862	39.7141	39.7
	69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	7320	36.9155	36.9(Q)
$	70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	96843	48.9027	48.9
	71 Bromobenzene	77	8.251	8.251	(1.122)	115582	48.8523	48.8
	72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	53594	49.3211	49.3
	73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	41549	44.8337	44.8
	74 n-Propylbenzene	91	8.324	8.324	(0.941)	454770	48.9764	49.0
	75 2-Chlorotoluene	91	8.371	8.371	(0.947)	263277	49.6135	49.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
76 4-Chlorotoluene	126	8.439	8.439	(0.954)	101803	47.1823	47.2
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	271862	40.4594	40.4
78 tert-Butylbenzene	119	8.617	8.617	(0.975)	354591	46.5795	46.6
79 1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	256288	40.1637	40.2
80 sec-Butylbenzene	105	8.742	8.743	(0.989)	440212	50.8323	50.8
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	192525	49.2721	49.3
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	127442	50.0000	
83 p-Isopropyltoluene	119	8.617	8.617	(0.975)	354591	46.5795	46.6
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	172244	42.1466	42.1
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	168423	49.1365	49.1
86 n-Butylbenzene	91	9.041	9.041	(1.022)	267426	37.8818	37.9
87 1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	4582	39.7226	39.7
88 1,2,4-Trichlorobenzene	180	9.872	9.872	(1.117)	81644	37.7720	37.8
89 Hexachlorobutadiene	225	9.951	9.951	(1.125)	62012	41.2181	41.2
90 Naphthalene	128	10.008	10.008	(1.132)	115711	33.5347	33.5
91 1,2,3-Trichlorobenzene	180	10.134	10.134	(1.146)	77469	42.7979	42.8
92 2,methyl-naphthalene	142	10.641	10.641	(1.203)	41280	30.1079	30.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C06.D
Lab Smp Id: 287808
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: ms036
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	335513	-10.22
59 Chlorobenzene-d5	255255	127628	510510	231928	-9.14
82 1,4-Dichlorobenze	136223	68112	272446	127442	-6.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287808
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: ms036
Operator: ala
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	40.9	81.82	30-163
2 Chloromethane	50.0	49.0	98.08	36-136
3 Vinyl Chloride	50.0	46.8	93.63	51-144
4 Bromomethane	50.0	53.7	107.47	30-170
5 Chloroethane	50.0	51.4	102.74	54-157
6 Trichlorofluoromet	50.0	51.6	103.20	53-162
28 1,2-dichlorotriflu	50.0	49.7	99.38	50-150
7 Diethyl ether	50.0	46.4	92.70	70-130
8 Acrolein	1000	1430	143.11	30-170
9 1,1-Dichloroethene	50.0	46.3	92.60	55-140
10 1,1,2trichlorotrif	50.0	55.0	109.91	50-150
11 Acetone	250	187	74.75	30-170
12 Iodomethane	100	102	101.76	28-168
13 Carbon Disulfide	100	87.8	87.78	46-162
139 Methyl Acetate	50.0	40.0	80.02	40-182
14 allyl chloride	100	89.3	89.32	39-155
15 Methylene Chloride	50.0	51.9	103.81	46-154
16 Acrylonitrile	1000	884	88.38	66-137
27 Propionitrile	50.0	0.000	*	50-150
17 tert-Butyl Alcohol	100	95.6	95.59	50-150
18 1,2-Dichloroethene	50.0	49.2	98.35	60-137
19 Methyl-tert-butyl	100	80.2	80.25	52-156
20 n-Hexane	50.0	48.2	96.35	32-176
21 1,1-Dichloroethane	50.0	45.2	90.36	68-139
23 Vinyl Acetate	200	86.9	43.46	24-132
25 1,2-Dichloroethene	50.0	52.1	104.28	65-132
24 2,2-Dichloropropan	50.0	36.3	72.69	35-157
26 2-Butanone	250	214	85.44	62-132
29 Bromochloromethane	50.0	50.1	100.28	65-157
30 Tetrahydrofuran	50.0	0.000	*	50-150
31 Chloroform	50.0	47.4	94.82	67-134
33 1,1,1-Trichloroeth	50.0	44.2	88.38	64-143
140 Cyclohexane	50.0	49.4	98.70	39-167
37 Isobutyl alcohol	50.0	42.7	85.44	50-150
36 1,1-Dichloropropen	50.0	48.4	96.85	66-140
35 Carbon Tetrachlori	50.0	44.3	88.54	54-145
38 Benzene	50.0	50.4	100.86	63-141
39 1,2-Dichloroethane	50.0	49.2	98.47	63-148
41 Trichloroethene	50.0	47.6	95.10	61-137
141 Methylcyclohexane	50.0	45.9	91.89	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	52.1	104.25	70-136
43 Dibromomethane	50.0	50.7	101.41	67-144
44 Methyl methacrylat	50.0	38.0	76.05	50-150
45 Bromodichlorometha	50.0	52.7	105.32	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	39.9	79.81	46-121
48 4-Methyl-2-Pentano	250	205	81.98	57-135
50 Toluene	50.0	47.7	95.33	59-142
51 trans-1,3-Dichloro	50.0	39.4	78.74	43-117
52 Ethyl Methacrylate	50.0	36.9	73.90	52-140
53 1,1,2-Trichloroeth	50.0	53.7	107.34	71-143
54 Tetrachloroethene	50.0	41.8	83.65	25-146
55 1,3-Dichloropropan	50.0	52.4	104.92	65-133
56 2-Hexanone	250	201	80.42	61-141
57 Dibromochlorometha	50.0	48.4	96.76	64-124
58 1,2-Dibromoethane	50.0	46.8	93.59	67-134
60 Chlorobenzene	50.0	50.7	101.48	56-133
61 1,1,1,2-Tetrachlor	50.0	47.7	95.45	55-131
62 Ethylbenzene	50.0	51.0	101.94	44-151
63 m&p-Xylene	100	95.4	95.38	41-153
65 o-Xylene	50.0	50.4	100.88	52-139
66 Styrene	50.0	38.6	77.31	38-141
67 Bromoform	50.0	44.5	89.01	58-124
68 Isopropylbenzene	50.0	39.7	79.43	40-148
69 trans-1,4-Dichloro	50.0	36.9	73.83	44-139
72 1,1,2,2-Tetrachlor	50.0	49.3	98.64	64-142
71 Bromobenzene	50.0	48.8	97.70	57-128
73 1,2,3-Trichloropro	50.0	44.8	89.67	33-140
74 n-Propylbenzene	50.0	49.0	97.95	40-148
75 2-Chlorotoluene	50.0	49.6	99.23	44-143
76 4-Chlorotoluene	50.0	47.2	94.36	43-140
77 1,3,5-Trimethylben	50.0	40.4	80.92	39-145
78 tert-Butylbenzene	50.0	46.6	93.16	32-133
79 1,2,4-Trimethylben	50.0	40.2	80.33	39-146
80 sec-Butylbenzene	50.0	50.8	101.66	38-150
81 1,3-Dichlorobenzen	50.0	49.3	98.54	40-143
83 p-Isopropyltoluene	50.0	46.6	93.16	34-146
84 1,4-Dichlorobenzen	50.0	42.1	84.29	38-142
86 n-Butylbenzene	50.0	37.9	75.76	27-153
85 1,2-Dichlorobenzen	50.0	49.1	98.27	48-137
88 1,2,4-Trichloroben	50.0	37.8	75.54	39-146
91 1,2,3-Trichloroben	50.0	42.8	85.60	33-140
87 1,2-Dibromo-3-chlo	50.0	39.7	79.45	39-140
89 Hexachlorobutadien	50.0	41.2	82.44	30-145
90 Naphthalene	50.0	33.5	67.07	44-138
92 2,methyl-naphthale	50.0	30.1	60.22	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.4	98.88	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	51.0	101.92	80-116
$ 70 4-Bromofluorobenze	50.0	48.9	97.81	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287808
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: ms036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	40.9	
74-87-3	Chloromethane	49.0	
75-01-4	Vinyl Chloride	46.8	
74-83-9	Bromomethane	53.7	
79-20-9	Methyl Acetate	40.0	
75-00-3	Chloroethane	51.4	
75-69-4	Trichlorofluoromethane	51.6	
60-29-7	Diethyl ether	46.4	
107-02-8	Acrolein	1430	
75-35-4	1,1-Dichloroethene	46.3	
76-13-1	1,1,2trichlorotrifluoroethan	55.0	
67-64-1	Acetone	187	
	Iodomethane	102	
75-15-0	Carbon Disulfide	87.8	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	89.3	
75-09-2	Methylene Chloride	51.9	
107-13-1	Acrylonitrile	884	
75-65-0	tert-Butyl Alcohol	95.6	
156-60-5	1,2-Dichloroethene (trans)	49.2	
1634-04-4	Methyl-tert-butyl ether	80.2	
	n-Hexane	48.2	
75-34-3	1,1-Dichloroethane	45.2	
108-05-4	Vinyl Acetate	86.9	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	36.3	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	52.1	
78-93-3	2-Butanone	214	
354-23-4	1,2-dichlorotrifluoroethane	49.7	
74-97-5	Bromochloromethane	50.1	
67-66-3	Chloroform	47.4	
71-55-6	1,1,1-Trichloroethane	44.2	
56-23-5	Carbon Tetrachloride	44.3	
563-58-6	1,1-Dichloropropene	48.4	
78-83-1	Isobutyl alcohol	42.7	
110-82-7	Cyclohexane	49.4	
71-43-2	Benzene	50.4	
107-06-2	1,2-Dichloroethane	49.2	
540-84-1	2,2,4-Trimethylpentane	47.5	
108-87-2	Methylcyclohexane	45.9	
79-01-6	Trichloroethene	47.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287808
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: ms036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	52.1	
74-95-3	Dibromomethane	50.7	
80-62-6	Methyl methacrylate	38.0	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	52.7	
10061-01-5	cis-1,3-Dichloropropene	39.9	
108-10-1	4-Methyl-2-Pentanone	205	
108-88-3	Toluene	47.7	
10061-02-6	trans-1,3-Dichloropropene	39.4	
	Ethyl Methacrylate	36.9	
79-00-5	1,1,2-Trichloroethane	53.7	
127-18-4	Tetrachloroethene	41.8	
142-28-9	1,3-Dichloropropane	52.4	
591-78-6	2-Hexanone	201	
124-48-1	Dibromochloromethane	48.4	
106-93-4	1,2-Dibromoethane	46.8	
108-90-7	Chlorobenzene	50.7	
630-20-6	1,1,1,2-Tetrachloroethane	47.7	
100-41-4	Ethylbenzene	51.0	
7816-60-0	m&p-Xylene	95.4	
95-47-6	o-Xylene	50.4	
100-42-5	Styrene	38.6	
75-25-2	Bromoform	44.5	
98-82-8	Isopropylbenzene	39.7	
	trans-1,4-Dichloro-2-butene	36.9	
108-86-1	Bromobenzene	48.8	
79-34-5	1,1,2,2-Tetrachloroethane	49.3	
96-18-4	1,2,3-Trichloropropane	44.8	
103-65-1	n-Propylbenzene	49.0	
95-49-8	2-Chlorotoluene	49.6	
106-43-4	4-Chlorotoluene	47.2	
108-67-8	1,3,5-Trimethylbenzene	40.4	
98-06-6	tert-Butylbenzene	46.6	
95-63-6	1,2,4-Trimethylbenzene	40.2	
135-98-8	sec-Butylbenzene	50.8	
541-73-1	1,3-Dichlorobenzene	49.3	
99-87-6	p-Isopropyltoluene	46.6	
106-46-7	1,4-Dichlorobenzene	42.1	
95-50-1	1,2-Dichlorobenzene	49.1	
104-51-8	n-Butylbenzene	37.9	
96-12-8	1,2-Dibromo-3-chloropropane	39.7	
120-82-1	1,2,4-Trichlorobenzene	37.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

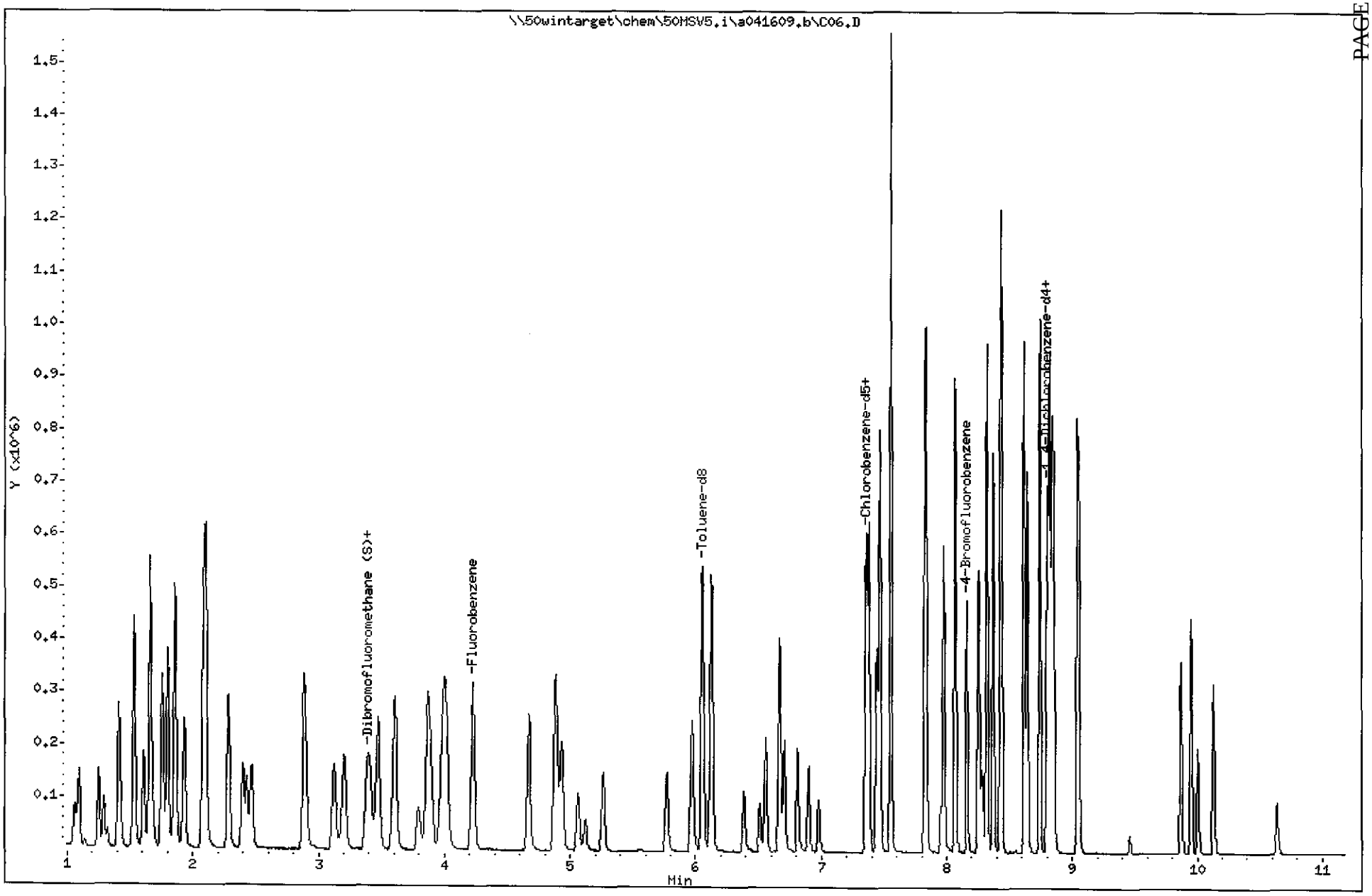
Client Name:
Lab Smp Id: 287808
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: ms036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	41.2	
91-20-3	Naphthalene	33.5	
87-61-6	1,2,3-Trichlorobenzene	42.8	
	2,methyl-naphthalene	30.1	
1868-53-7	Dibromofluoromethane (S)	49.4	
2037-26-5	Toluene-d8	51.0	
460-00-4	4-Bromofluorobenzene	48.9	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C06.D
Date : 17-APR-2009 00:43
Client ID: ms036
Sample Info: ms036
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C06.D

Date : 17-APR-2009 00:43

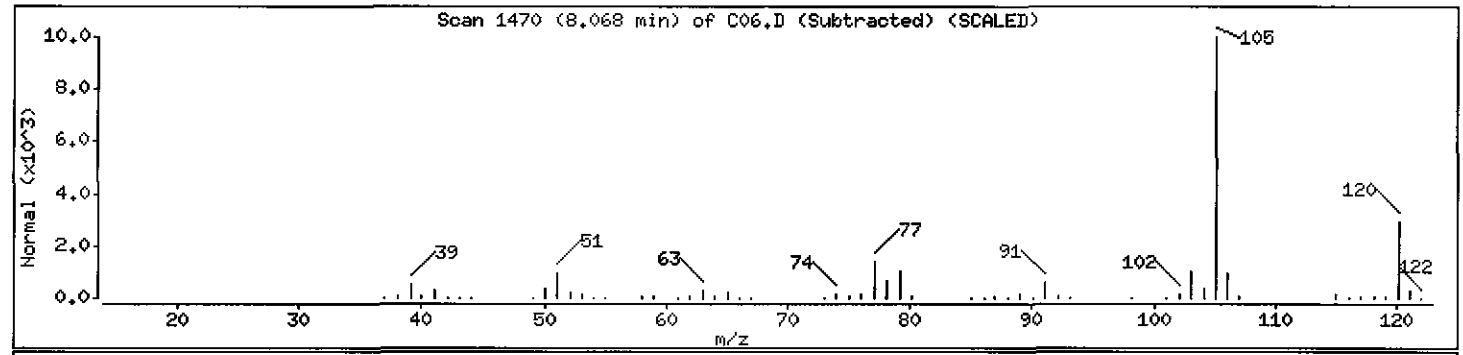
Client ID: ms036 | Instrument: 50MSV5.i

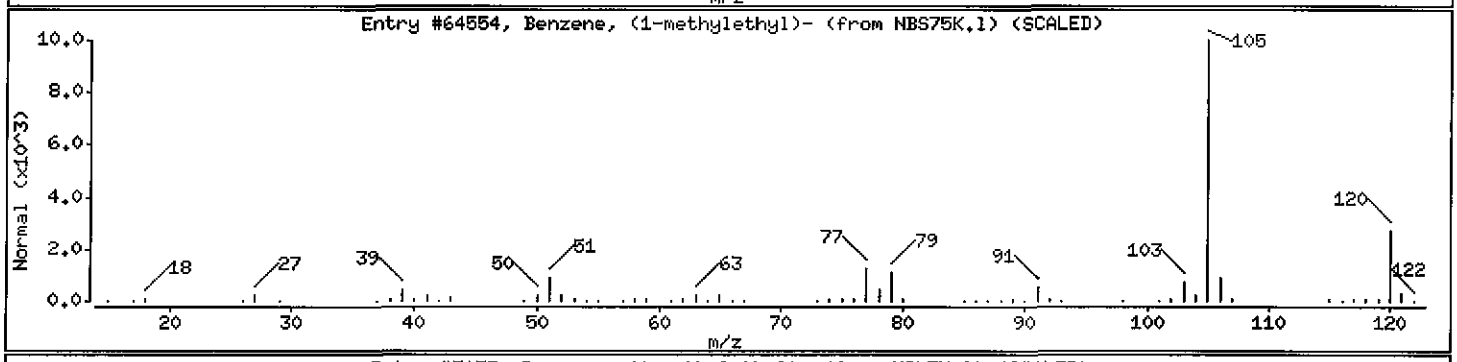
Sample Info: ms036

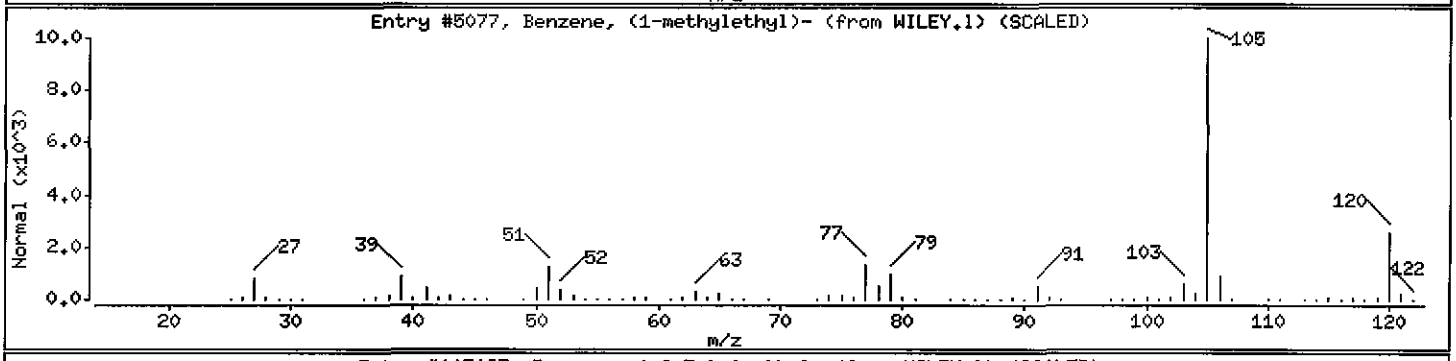
Purge Volume: 5.0 | Operator: ala

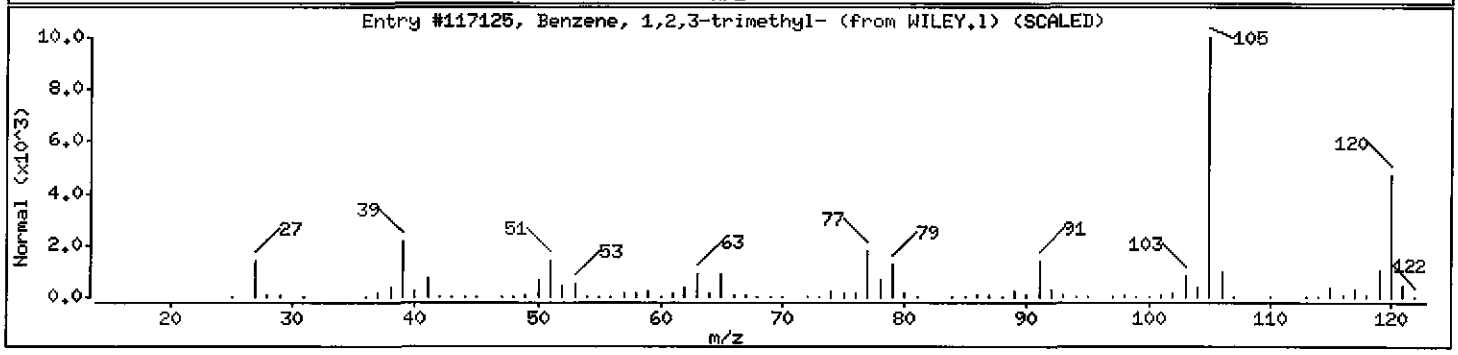
Column phase: DB-624 | Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64554	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	5077	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120









Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C07.D
Lab Smp Id: 287809 Client Smp ID: msd036
Inj Date : 17-APR-2009 01:19
Operator : ala Inst ID: 50MSV5.i
Smp Info : msd036
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 53 QC Sample: MSD
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	0.965	0.965	(0.228)	72093	41.8660	41.9
2 Chloromethane	50	1.059	1.059	(0.251)	92550	49.5288	49.5
3 Vinyl Chloride	62	1.101	1.101	(0.260)	85069	46.9643	47.0
4 Bromomethane	94	1.253	1.253	(0.296)	68107	54.0534	54.0
139 Methyl Acetate	43	2.100	2.100	(0.497)	35568	42.3683	42.4
5 Chloroethane	64	1.295	1.295	(0.306)	52557	52.7592	52.8
6 Trichlorofluoromethane	101	1.415	1.410	(0.335)	183733	50.4242	50.4
7 Diethyl ether	74	1.540	1.541	(0.364)	29221	46.7189	46.7
8 Acrolein	56	1.608	1.609	(0.380)	116901	1454.92	1450
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	76963	46.6759	46.7
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	98214	54.0410	54.0
11 Acetone	43	1.687	1.687	(0.399)	56728	188.658	189
12 Iodomethane	142	1.760	1.760	(0.416)	303188	101.817	102
13 Carbon Disulfide	76	1.802	1.802	(0.426)	386226	87.4561	87.4
142 Acetonitrile	41	1.859	1.860	(0.440)	231787		
14 allyl chloride	41	1.859	1.860	(0.440)	231787	90.1323	90.1
15 Methylene Chloride	84	1.933	1.933	(0.457)	80928	51.3770	51.4
16 Acrylonitrile	53	2.084	2.085	(0.493)	275831	870.661	871
17 tert-Butyl Alcohol	59	1.540	1.541	(0.364)	45575	94.3394	94.3
18 1,2-Dichloroethene (trans)	96	2.105	2.100	(0.498)	87655	48.6540	48.6
19 Methyl-tert-butyl ether	73	2.100	2.100	(0.497)	159640	87.5991	87.6
20 n-Hexane	57	2.288	2.289	(0.541)	122969	48.7459	48.7
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	140095	45.5296	45.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 Vinyl Acetate	43	2.430	2.430	(0.575)	180278	91.7833	91.8
	143 Chloroprene	53	2.471	2.472	(0.584)	82628		
	24 2,2-Dichloropropane	77	2.890	2.885	(0.683)	39664	39.7472	39.7
	144 Methacrylonitrile	41	3.177	3.178	(0.751)	15351		
	25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	97135	52.3255	52.3
	26 2-Butanone	43	2.906	2.906	(0.687)	88241	214.438	214
	28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	106529	49.7067	49.7
	29 Bromochloromethane	49	3.125	3.120	(0.739)	67104	49.7009	49.7
	31 Chloroform	83	3.209	3.209	(0.759)	144463	47.3627	47.4
$	32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	92015	49.5266	49.5
	33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	95955	45.2985	45.3
	35 Carbon Tetrachloride	117	3.606	3.607	(0.853)	86630	45.4088	45.4
	36 1,1-Dichloropropene	75	3.606	3.607	(0.853)	101540	48.3837	48.4
	37 Isobutyl alcohol	43	2.906	2.906	(0.687)	88241	42.8882	42.9
	140 Cyclohexane	56	3.470	3.471	(0.821)	133459	48.9076	48.9
	38 Benzene	78	3.868	3.873	(0.915)	310103	50.6711	50.7
	39 1,2-Dichloroethane	62	3.899	3.899	(0.922)	87381	49.5175	49.5
	138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	301922	48.1374	48.1
	141 Methylcyclohexane	55	4.888	4.888	(1.156)	111286	46.4103	46.4
*	40 Fluorobenzene	96	4.229	4.229	(1.000)	342697	50.0000	
	41 Trichloroethene	95	4.673	4.674	(1.105)	88581	48.5653	48.6
	42 1,2-Dichloropropane	63	4.935	4.935	(1.167)	83204	53.3816	53.4
	43 Dibromomethane	93	5.066	5.066	(1.198)	40130	51.3973	51.4
	44 Methyl methacrylate	69	5.128	5.123	(1.213)	19822	38.8714	38.9
	147 1,4-Dioxane	88	5.118	5.118	(1.210)	7783		
	45 Bromodichloromethane	83	5.264	5.265	(1.245)	94308	52.8280	52.8
	47 cis-1,3-Dichloropropene	75	5.777	5.777	(0.785)	76476	41.2964	41.3
	48 4-Methyl-2-Pentanone	43	5.976	5.971	(0.812)	180614	212.154	212
$	49 Toluene-d8	98	6.059	6.060	(0.824)	342345	50.6414	50.6
	50 Toluene	91	6.127	6.128	(0.833)	357371	47.3859	47.4
	51 trans-1,3-Dichloropropene	75	6.389	6.389	(0.868)	48891	40.1052	40.1
	52 Ethyl Methacrylate	69	6.514	6.515	(0.886)	39849	38.6375	38.6
	53 1,1,2-Trichloroethane	83	6.561	6.562	(0.892)	46568	54.7462	54.7
	54 Tetrachloroethene	166	6.671	6.671	(0.907)	101017	41.7890	41.8
	55 1,3-Dichloropropane	76	6.708	6.708	(0.912)	88770	53.4167	53.4
	56 2-Hexanone	43	6.812	6.813	(0.926)	115558	212.208	212
	57 Dibromochloromethane	129	6.901	6.902	(0.938)	65819	48.6281	48.6
	58 1,2-Dibromoethane	107	6.980	6.980	(0.949)	51795	47.6375	47.6
*	59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	235006	50.0000	
	60 Chlorobenzene	112	7.377	7.378	(1.003)	253315	51.6740	51.7
	61 1,1,1,2-Tetrachloroethane	131	7.445	7.446	(1.012)	70753	48.2042	48.2
	62 Ethylbenzene	106	7.466	7.466	(1.015)	135600	51.4458	51.4
	63 m&p-Xylene	106	7.555	7.555	(1.027)	335063	96.2830	96.3
	65 o-Xylene	106	7.827	7.827	(1.064)	160352	50.9046	50.9
	66 Styrene	104	7.838	7.838	(1.065)	184349	36.5224	36.5
	67 Bromoform	173	7.953	7.953	(0.899)	27766	44.2777	44.3
	68 Isopropylbenzene	105	8.429	8.429	(1.146)	271232	39.1595	39.2
	69 trans-1,4-Dichloro-2-butene	53	8.293	8.293	(1.127)	7743	38.2274	38.2(Q)
$	70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	100685	50.1769	50.2
	71 Bromobenzene	77	8.251	8.251	(1.122)	118330	49.3587	49.4
	72 1,1,2,2-Tetrachloroethane	83	8.261	8.261	(0.934)	53558	48.3967	48.4
	73 1,2,3-Trichloropropane	75	8.282	8.282	(0.937)	43222	45.7956	45.8
	74 n-Propylbenzene	91	8.324	8.324	(0.941)	466592	49.3409	49.3
	75 2-Chlorotoluene	91	8.371	8.371	(0.947)	266530	49.3183	49.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
76 4-Chlorotoluene	126	8.439	8.439	(0.954)	106488	48.4612	48.5
77 1,3,5-Trimethylbenzene	105	8.429	8.429	(0.953)	271232	39.6357	39.6
78 tert-Butylbenzene	119	8.617	8.617	(0.975)	367116	47.3527	47.4
79 1,2,4-Trimethylbenzene	105	8.643	8.643	(0.978)	254702	39.1933	39.2
80 sec-Butylbenzene	105	8.742	8.743	(0.989)	453688	51.4410	51.4
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	193844	48.7125	48.7
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	129789	50.0000	
83 p-Isopropyltoluene	119	8.617	8.617	(0.975)	367116	47.3527	47.4
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	179486	43.1245	43.1
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	175601	50.3043	50.3
86 n-Butylbenzene	91	9.041	9.041	(1.022)	274688	38.2054	38.2
87 1,2-Dibromo-3-chloropropane	155	9.459	9.459	(1.070)	4988	41.9198	41.9
88 1,2,4-Trichlorobenzene	180	9.872	9.872	(1.117)	83461	37.9101	37.9
89 Hexachlorobutadiene	225	9.951	9.951	(1.125)	63280	41.2980	41.3
90 Naphthalene	128	10.008	10.008	(1.132)	122688	34.8533	34.8
91 1,2,3-Trichlorobenzene	180	10.134	10.134	(1.146)	80272	43.5480	43.5
92 2,methyl-naphthalene	142	10.641	10.641	(1.203)	44042	31.0622	31.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C07.D
Lab Smp Id: 287809
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: msd036
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	342697	-8.30
59 Chlorobenzene-d5	255255	127628	510510	235006	-7.93
82 1,4-Dichlorobenze	136223	68112	272446	129789	-4.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287809
Level: LOW
Data Type: MS DATA
SpikeList File: 8260MS-w.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: msd036
Operator: ala
SampleType: MSD
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	41.9	83.73	30-163
2 Chloromethane	50.0	49.5	99.06	36-136
3 Vinyl Chloride	50.0	47.0	93.93	51-144
4 Bromomethane	50.0	54.0	108.11	30-170
5 Chloroethane	50.0	52.8	105.52	54-157
6 Trichlorofluoromet	50.0	50.4	100.85	53-162
28 1,2-dichlorotriflu	50.0	49.7	99.41	50-150
7 Diethyl ether	50.0	46.7	93.44	70-130
8 Acrolein	1000	1450	145.49	30-170
9 1,1-Dichloroethene	50.0	46.7	93.35	55-140
10 1,1,2trichlorotrif	50.0	54.0	108.08	50-150
11 Acetone	250	189	75.46	30-170
12 Iodomethane	100	102	101.82	28-168
13 Carbon Disulfide	100	87.4	87.46	46-162
139 Methyl Acetate	50.0	42.4	84.74	40-182
14 allyl chloride	100	90.1	90.13	39-155
15 Methylene Chloride	50.0	51.4	102.75	46-154
16 Acrylonitrile	1000	871	87.07	66-137
27 Propionitrile	50.0	0.000	*	50-150
17 tert-Butyl Alcohol	100	94.3	94.34	50-150
18 1,2-Dichloroethene	50.0	48.6	97.31	60-137
19 Methyl-tert-butyl	100	87.6	87.60	52-156
20 n-Hexane	50.0	48.7	97.49	32-176
21 1,1-Dichloroethane	50.0	45.5	91.06	68-139
23 Vinyl Acetate	200	91.8	45.89	24-132
25 1,2-Dichloroethene	50.0	52.3	104.65	65-132
24 2,2-Dichloropropan	50.0	39.7	79.49	35-157
26 2-Butanone	250	214	85.78	62-132
29 Bromochloromethane	50.0	49.7	99.40	65-157
30 Tetrahydrofuran	50.0	0.000	*	50-150
31 Chloroform	50.0	47.4	94.73	67-134
33 1,1,1-Trichloroeth	50.0	45.3	90.60	64-143
140 Cyclohexane	50.0	48.9	97.82	39-167
37 Isobutyl alcohol	50.0	42.9	85.78	50-150
36 1,1-Dichloropropen	50.0	48.4	96.77	66-140
35 Carbon Tetrachlori	50.0	45.4	90.82	54-145
38 Benzene	50.0	50.7	101.34	63-141
39 1,2-Dichloroethane	50.0	49.5	99.04	63-148
41 Trichloroethene	50.0	48.6	97.13	61-137
141 Methylcyclohexane	50.0	46.4	92.82	44-158

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
42 1,2-Dichloropropan	50.0	53.4	106.76	70-136
43 Dibromomethane	50.0	51.4	102.79	67-144
44 Methyl methacrylat	50.0	38.9	77.74	50-150
45 Bromodichlorometha	50.0	52.8	105.66	63-135
46 2-Chloroethyl vin	100	0.000	*	50-150
47 cis-1,3-Dichloropr	50.0	41.3	82.59	46-121
48 4-Methyl-2-Pentano	250	212	84.86	57-135
50 Toluene	50.0	47.4	94.77	59-142
51 trans-1,3-Dichloro	50.0	40.1	80.21	43-117
52 Ethyl Methacrylate	50.0	38.6	77.27	52-140
53 1,1,2-Trichloroeth	50.0	54.7	109.49	71-143
54 Tetrachloroethene	50.0	41.8	83.58	25-146
55 1,3-Dichloropropan	50.0	53.4	106.83	65-133
56 2-Hexanone	250	212	84.88	61-141
57 Dibromochlorometha	50.0	48.6	97.26	64-124
58 1,2-Dibromoethane	50.0	47.6	95.28	67-134
60 Chlorobenzene	50.0	51.7	103.35	56-133
61 1,1,1,2-Tetrachlor	50.0	48.2	96.41	55-131
62 Ethylbenzene	50.0	51.4	102.89	44-151
63 m&p-Xylene	100	96.3	96.28	41-153
65 o-Xylene	50.0	50.9	101.81	52-139
66 Styrene	50.0	36.5	73.04	38-141
67 Bromoform	50.0	44.3	88.56	58-124
68 Isopropylbenzene	50.0	39.2	78.32	40-148
69 trans-1,4-Dichloro	50.0	38.2	76.45	44-139
72 1,1,2,2-Tetrachlor	50.0	48.4	96.79	64-142
71 Bromobenzene	50.0	49.4	98.72	57-128
73 1,2,3-Trichloropro	50.0	45.8	91.59	33-140
74 n-Propylbenzene	50.0	49.3	98.68	40-148
75 2-Chlorotoluene	50.0	49.3	98.64	44-143
76 4-Chlorotoluene	50.0	48.5	96.92	43-140
77 1,3,5-Trimethylben	50.0	39.6	79.27	39-145
78 tert-Butylbenzene	50.0	47.4	94.71	32-133
79 1,2,4-Trimethylben	50.0	39.2	78.39	39-146
80 sec-Butylbenzene	50.0	51.4	102.88	38-150
81 1,3-Dichlorobenzen	50.0	48.7	97.43	40-143
83 p-Isopropyltoluene	50.0	47.4	94.71	34-146
84 1,4-Dichlorobenzen	50.0	43.1	86.25	38-142
86 n-Butylbenzene	50.0	38.2	76.41	27-153
85 1,2-Dichlorobenzen	50.0	50.3	100.61	48-137
88 1,2,4-Trichloroben	50.0	37.9	75.82	39-146
91 1,2,3-Trichloroben	50.0	43.5	87.10	33-140
87 1,2-Dibromo-3-chlo	50.0	41.9	83.84	39-140
89 Hexachlorobutadien	50.0	41.3	82.60	30-145
90 Naphthalene	50.0	34.8	69.71	44-138
92 2,methyl-naphthale	50.0	31.1	62.12	50-150

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	49.5	99.05	80-123

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 49 Toluene-d8	50.0	50.6	101.28	80-116
$ 70 4-Bromofluorobenze	50.0	50.2	100.35	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287809
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: msd036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	41.9	
74-87-3	Chloromethane	49.5	
75-01-4	Vinyl Chloride	47.0	
74-83-9	Bromomethane	54.0	
79-20-9	Methyl Acetate	42.4	
75-00-3	Chloroethane	52.8	
75-69-4	Trichlorofluoromethane	50.4	
60-29-7	Diethyl ether	46.7	
107-02-8	Acrolein	1450	
75-35-4	1,1-Dichloroethene	46.7	
76-13-1	1,1,2trichlorotrifluoroethan	54.0	
67-64-1	Acetone	189	
	Iodomethane	102	
75-15-0	Carbon Disulfide	87.4	
75-05-8	Acetonitrile	0.000	
107-05-1	allyl chloride	90.1	
75-09-2	Methylene Chloride	51.4	
107-13-1	Acrylonitrile	871	
75-65-0	tert-Butyl Alcohol	94.3	
156-60-5	1,2-Dichloroethene (trans)	48.6	
1634-04-4	Methyl-tert-butyl ether	87.6	
	n-Hexane	48.7	
75-34-3	1,1-Dichloroethane	45.5	
108-05-4	Vinyl Acetate	91.8	
126-99-8	Chloroprene	0.000	
594-20-7	2,2-Dichloropropane	39.7	
126-98-7	Methacrylonitrile	0.000	
156-59-2	1,2-Dichloroethene (cis)	52.3	
78-93-3	2-Butanone	214	
354-23-4	1,2-dichlorotrifluoroethane	49.7	
74-97-5	Bromochloromethane	49.7	
67-66-3	Chloroform	47.4	
71-55-6	1,1,1-Trichloroethane	45.3	
56-23-5	Carbon Tetrachloride	45.4	
563-58-6	1,1-Dichloropropene	48.4	
78-83-1	Isobutyl alcohol	42.9	
110-82-7	Cyclohexane	48.9	
71-43-2	Benzene	50.7	
107-06-2	1,2-Dichloroethane	49.5	
540-84-1	2,2,4-Trimethylpentane	48.1	
108-87-2	Methylcyclohexane	46.4	
79-01-6	Trichloroethene	48.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287809
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: msd036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	53.4	
74-95-3	Dibromomethane	51.4	
80-62-6	Methyl methacrylate	38.9	
	1,4-Dioxane	0.000	
75-27-4	Bromodichloromethane	52.8	
10061-01-5	cis-1,3-Dichloropropene	41.3	
108-10-1	4-Methyl-2-Pentanone	212	
108-88-3	Toluene	47.4	
10061-02-6	trans-1,3-Dichloropropene	40.1	
	Ethyl Methacrylate	38.6	
79-00-5	1,1,2-Trichloroethane	54.7	
127-18-4	Tetrachloroethene	41.8	
142-28-9	1,3-Dichloropropane	53.4	
591-78-6	2-Hexanone	212	
124-48-1	Dibromochloromethane	48.6	
106-93-4	1,2-Dibromoethane	47.6	
108-90-7	Chlorobenzene	51.7	
630-20-6	1,1,1,2-Tetrachloroethane	48.2	
100-41-4	Ethylbenzene	51.4	
7816-60-0	m&p-Xylene	96.3	
95-47-6	o-Xylene	50.9	
100-42-5	Styrene	36.5	
75-25-2	Bromoform	44.3	
98-82-8	Isopropylbenzene	39.2	
	trans-1,4-Dichloro-2-butene	38.2	
108-86-1	Bromobenzene	49.4	
79-34-5	1,1,2,2-Tetrachloroethane	48.4	
96-18-4	1,2,3-Trichloropropane	45.8	
103-65-1	n-Propylbenzene	49.3	
95-49-8	2-Chlorotoluene	49.3	
106-43-4	4-Chlorotoluene	48.5	
108-67-8	1,3,5-Trimethylbenzene	39.6	
98-06-6	tert-Butylbenzene	47.4	
95-63-6	1,2,4-Trimethylbenzene	39.2	
135-98-8	sec-Butylbenzene	51.4	
541-73-1	1,3-Dichlorobenzene	48.7	
99-87-6	p-Isopropyltoluene	47.4	
106-46-7	1,4-Dichlorobenzene	43.1	
95-50-1	1,2-Dichlorobenzene	50.3	
104-51-8	n-Butylbenzene	38.2	
96-12-8	1,2-Dibromo-3-chloropropane	41.9	
120-82-1	1,2,4-Trichlorobenzene	37.9	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

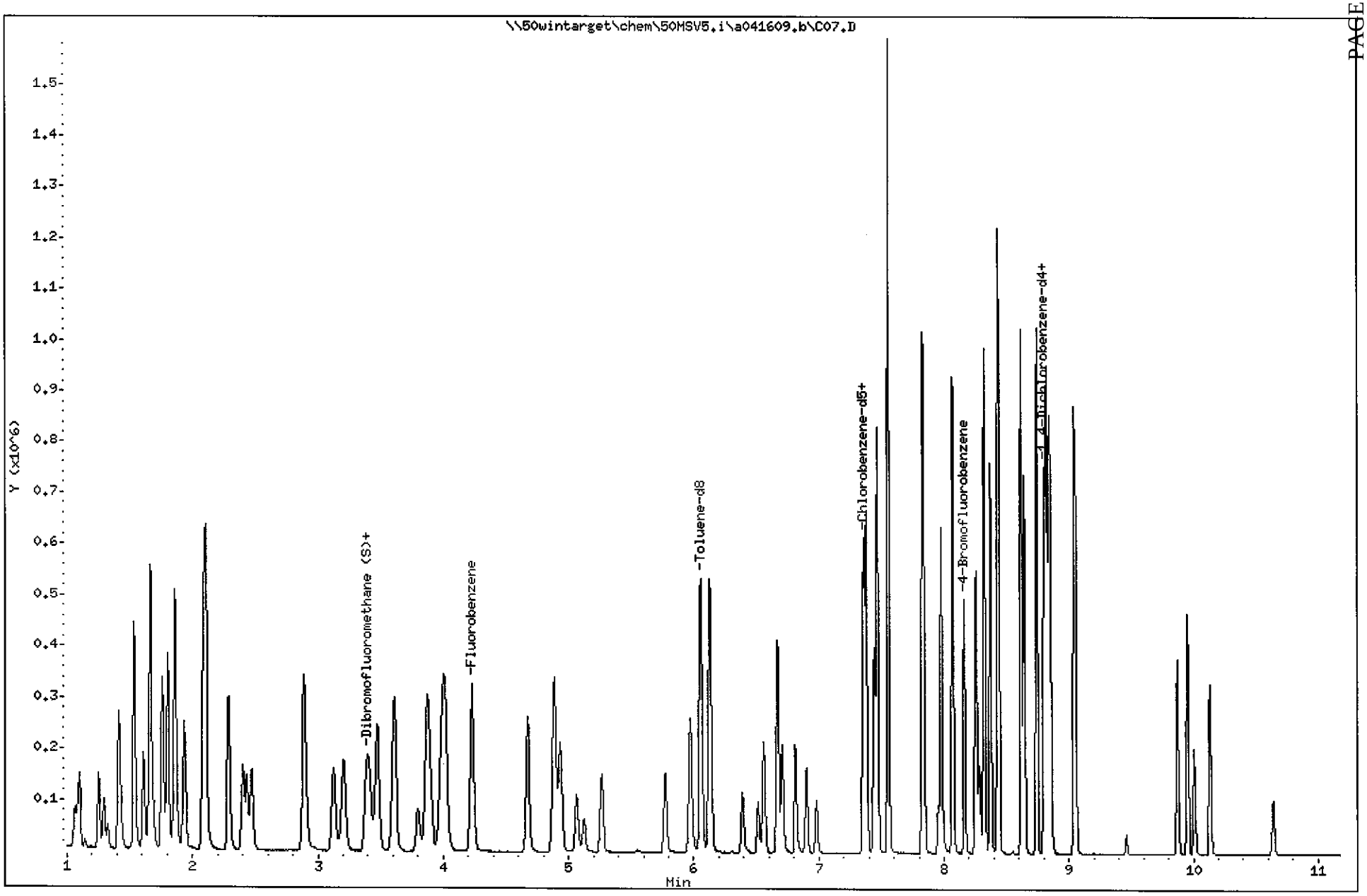
Client Name:
Lab Smp Id: 287809
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: msd036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	41.3	
91-20-3	Naphthalene	34.8	
87-61-6	1,2,3-Trichlorobenzene	43.5	
	2,methyl-naphthalene	31.1	
1868-53-7	Dibromofluoromethane (S)	49.5	
2037-26-5	Toluene-d8	50.6	
460-00-4	4-Bromofluorobenzene	50.2	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C07.D
Date : 17-APR-2009 01:19
Client ID: msd036
Sample Info: msd036
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C07.D

Date : 17-APR-2009 01:19

Client ID: msd036

Instrument: 50MSV5.i

Sample Info: msd036

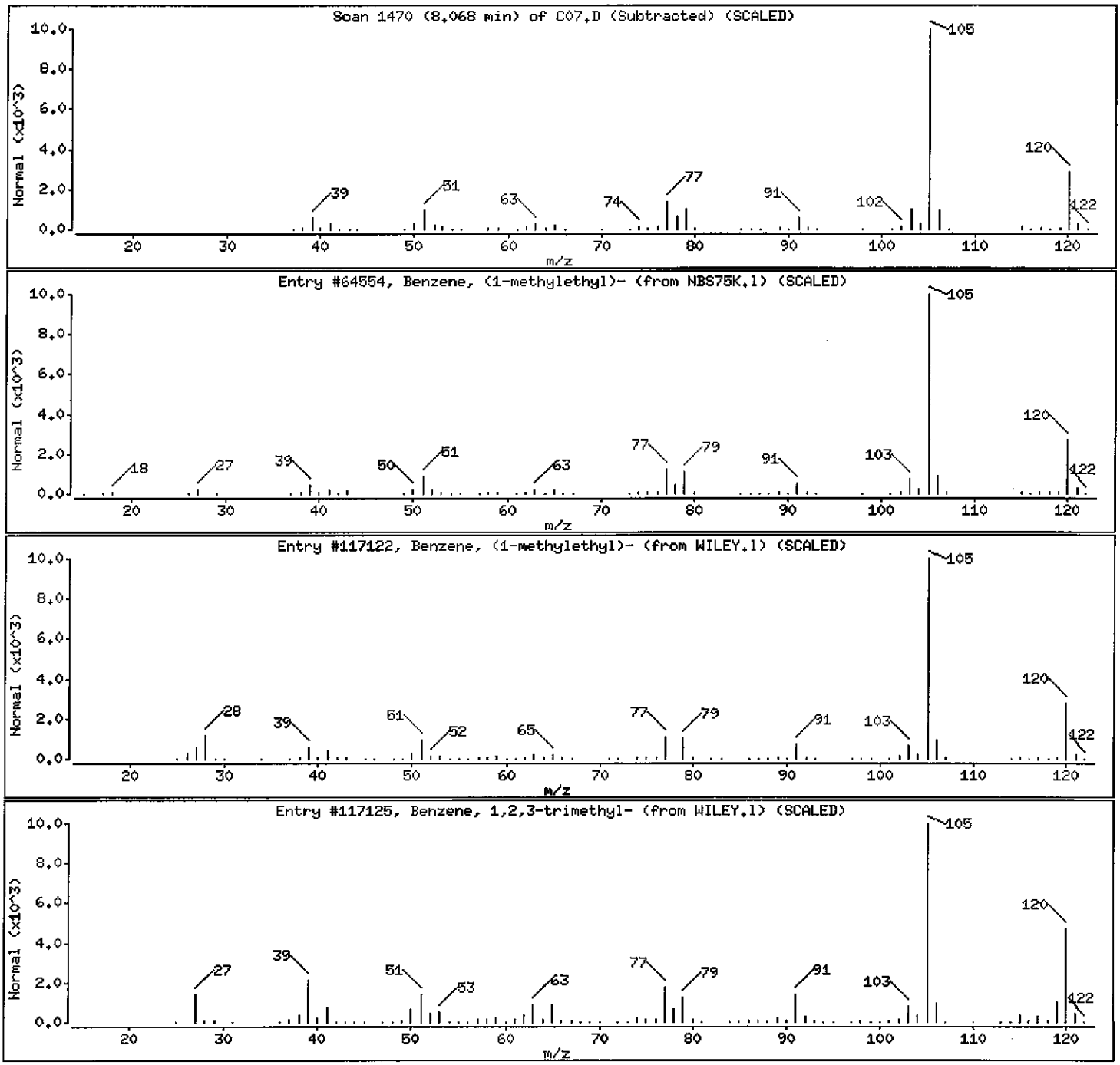
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, (1-methylethyl)-	98-82-8	NBS75K.l	64554	95	C9H12	120
Benzene, (1-methylethyl)-	98-82-8	WILEY.l	117122	91	C9H12	120
Benzene, 1,2,3-trimethyl-	526-73-8	WILEY.l	117125	91	C9H12	120



VOA 8260B
GC/MS Volatiles

Section 5: Method Blank Data

**** Method Blanks***

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A03MB.D
Lab Smp Id: 287386 Client Smp ID: mb
Inj Date : 15-APR-2009 12:20
Operator : ala Inst ID: 50MSV5.i
Smp Info : mb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 7 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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	1436	0.86288	0.863(M)
6 Trichlorofluoromethane	101	1.410	1.415	(0.333)	2800	0.83639	0.836
16 Acrylonitrile	53	2.095	2.090	(0.494)	3145	10.8050	10.8
$ 32 Dibromofluoromethane (S)	113	3.397	3.397	(0.801)	93109	54.5469	54.5
* 40 Fluorobenzene	96	4.239	4.239	(1.000)	314856	50.0000	
$ 49 Toluene-d8	98	6.070	6.070	(0.825)	317108	48.6745	48.7
50 Toluene	91	6.143	6.138	(0.834)	3735	0.51389	0.514
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	226478	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	93727	48.4682	48.5
81 1,3-Dichlorobenzene	146	8.810	8.810	(0.996)	1602	0.45993	0.460(M)
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	113605	50.0000	
84 1,4-Dichlorobenzene	146	8.857	8.857	(1.001)	2167	0.59483	0.595(Q)
85 1,2-Dichlorobenzene	146	9.061	9.061	(1.024)	1528	0.50008	0.500(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A03MB.D
Lab Smp Id: 287386
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	314856	-15.75
59 Chlorobenzene-d5	255255	127628	510510	226478	-11.27
82 1,4-Dichlorobenze	136223	68112	272446	113605	-16.60

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287386
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: mb
Operator: ala
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.5	109.09	80-123
$ 49 Toluene-d8	50.0	48.7	97.35	80-116
$ 70 4-Bromofluorobenze	50.0	48.5	96.94	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

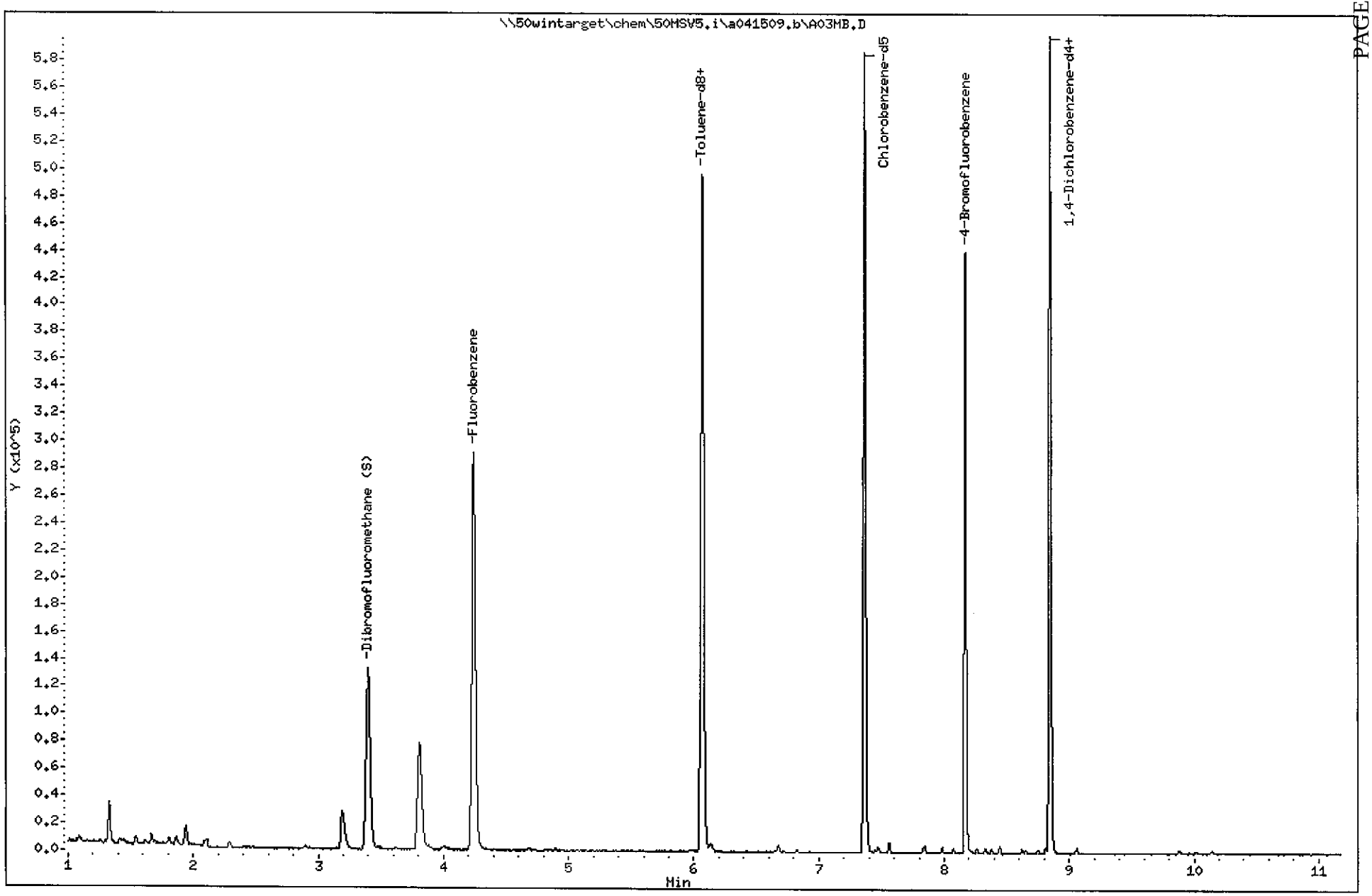
Client Name:
Lab Smp Id: 287386
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	0.863	
75-69-4	Trichlorofluoromethane	0.836	
107-13-1	Acrylonitrile	10.8	
108-88-3	Toluene	0.514	
541-73-1	1,3-Dichlorobenzene	0.460	
106-46-7	1,4-Dichlorobenzene	0.595	
95-50-1	1,2-Dichlorobenzene	0.500	
1868-53-7	Dibromofluoromethane (S)	54.5	
2037-26-5	Toluene-d8	48.7	
460-00-4	4-Bromofluorobenzene	48.5	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A03MB.D
Date : 15-APR-2009 12:20
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A03MB.D

Date : 15-APR-2009 12:20

Client ID: mb

Instrument: 50MSV5.i

Sample Info: mb

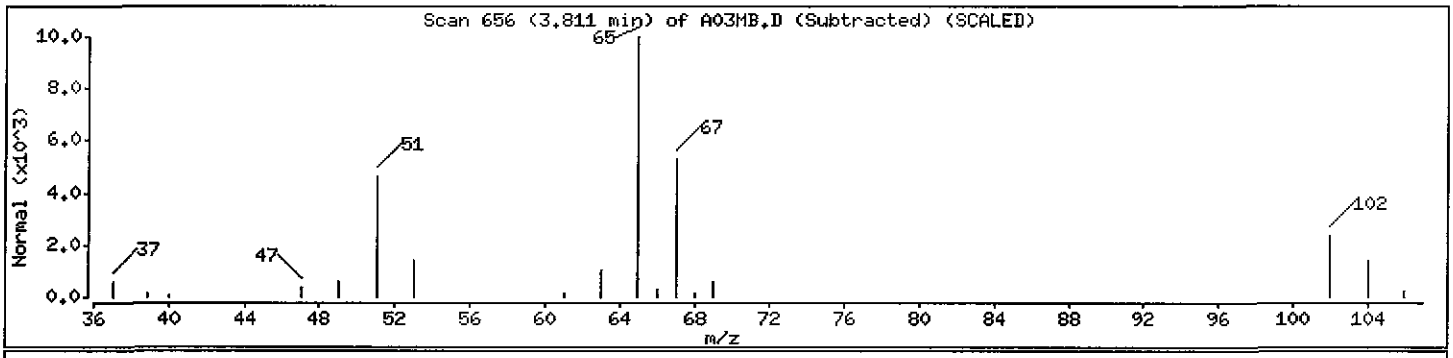
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B03MB.D
Lab Smp Id: 287392 Client Smp ID: mb
Inj Date : 15-APR-2009 12:39
Operator : ala Inst ID: 50MSV5.i
Smp Info : mb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 8 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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	69831	53.4411	53.4
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	263792	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	254491	48.8903	48.9
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	170150	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	60976	43.5997	43.6
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	66424	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B03MB.D
Lab Smp Id: 287392
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	263792	-23.43
59 Chlorobenzene-d5	214804	107402	429608	170150	-20.79
82 1,4-Dichlorobenze	110737	55369	221474	66424	-40.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287392
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: mb
Operator: ala
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.4	106.88	80-123
$ 49 Toluene-d8	50.0	48.9	97.78	80-116
$ 70 4-Bromofluorobenze	50.0	43.6	87.20	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

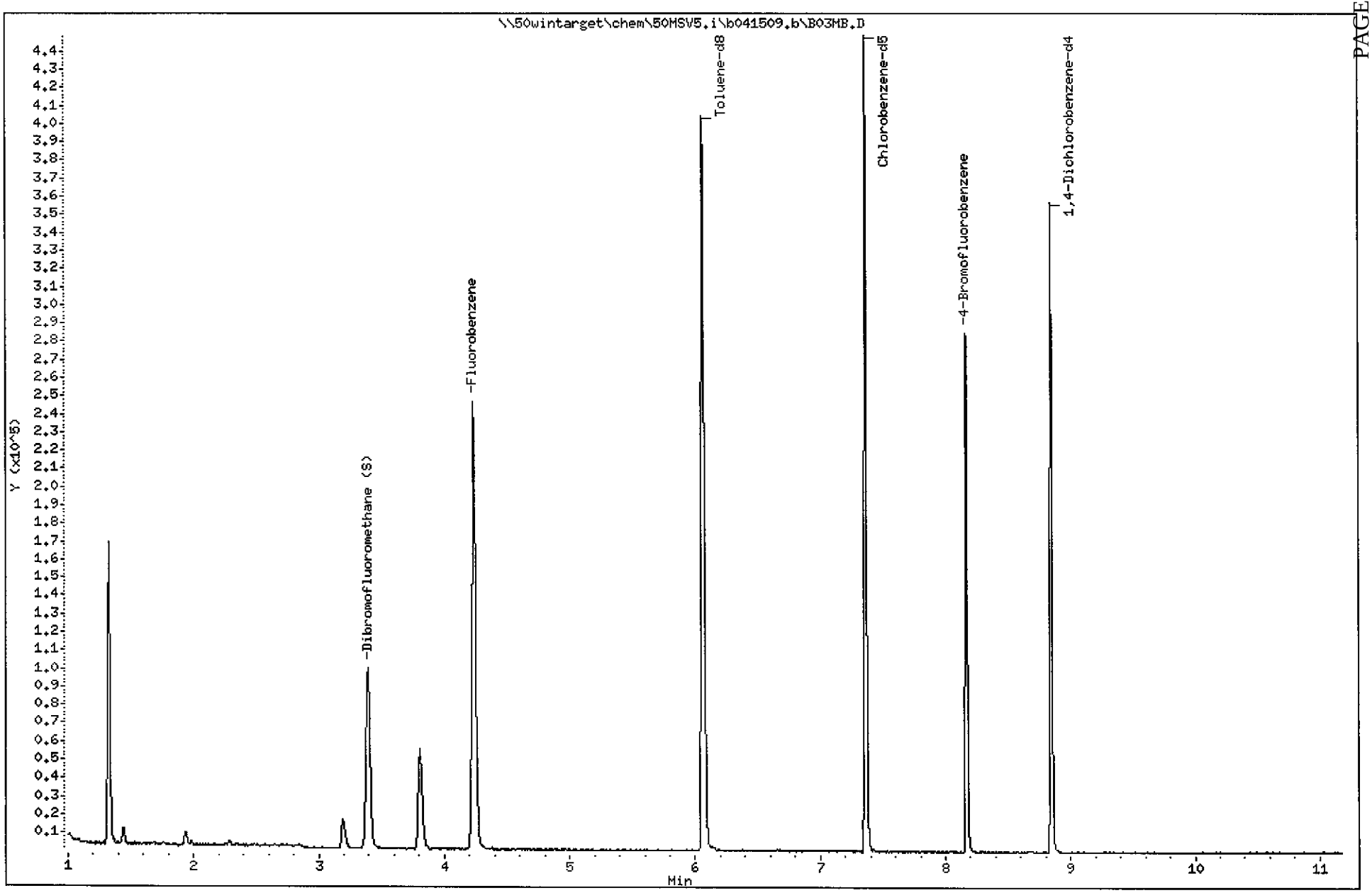
Client Name:
Lab Smp Id: 287392
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.4	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	43.6	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B03MB.D
Date : 15-APR-2009 12:39
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B03MB.D

Date : 15-APR-2009 12:39

Client ID: mb

Instrument: 50MSV5.i

Sample Info: mb

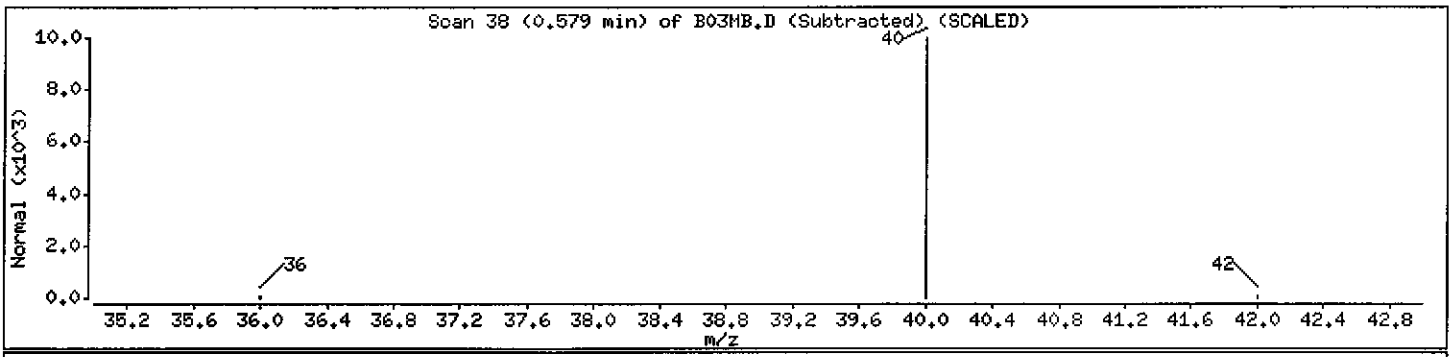
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A03MB.D
Lab Smp Id: 287802 Client Smp ID: mb
Inj Date : 16-APR-2009 12:08
Operator : ala Inst ID: 50MSV5.i
Smp Info : mb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 7 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)
3 Vinyl Chloride	62	1.096	1.101	(0.259)	1078	0.64785	0.648(M)
6 Trichlorofluoromethane	101	1.405	1.410	(0.332)	1792	0.53536	0.535
16 Acrylonitrile	53	2.084	2.085	(0.493)	2916	10.0196	10.0
$ 32 Dibromofluoromethane (S)	113	3.382	3.387	(0.800)	89856	52.6483	52.6
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	314813	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	317359	49.5793	49.6
50 Toluene	91	6.127	6.128	(0.833)	3436	0.48116	0.481
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	222521	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	94042	49.4958	49.5
81 1,3-Dichlorobenzene	146	8.800	8.805	(0.995)	1632	0.48617	0.486(M)
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	109486	50.0000	
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	1832	0.52179	0.522(Q)
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	1545	0.52467	0.525(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A03MB.D
Lab Smp Id: 287802
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	314813	-15.76
59 Chlorobenzene-d5	255255	127628	510510	222521	-12.82
82 1,4-Dichlorobenze	136223	68112	272446	109486	-19.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287802
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: mb
Operator: ala
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.6	105.30	80-123
$ 49 Toluene-d8	50.0	49.6	99.16	80-116
$ 70 4-Bromofluorobenze	50.0	49.5	98.99	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

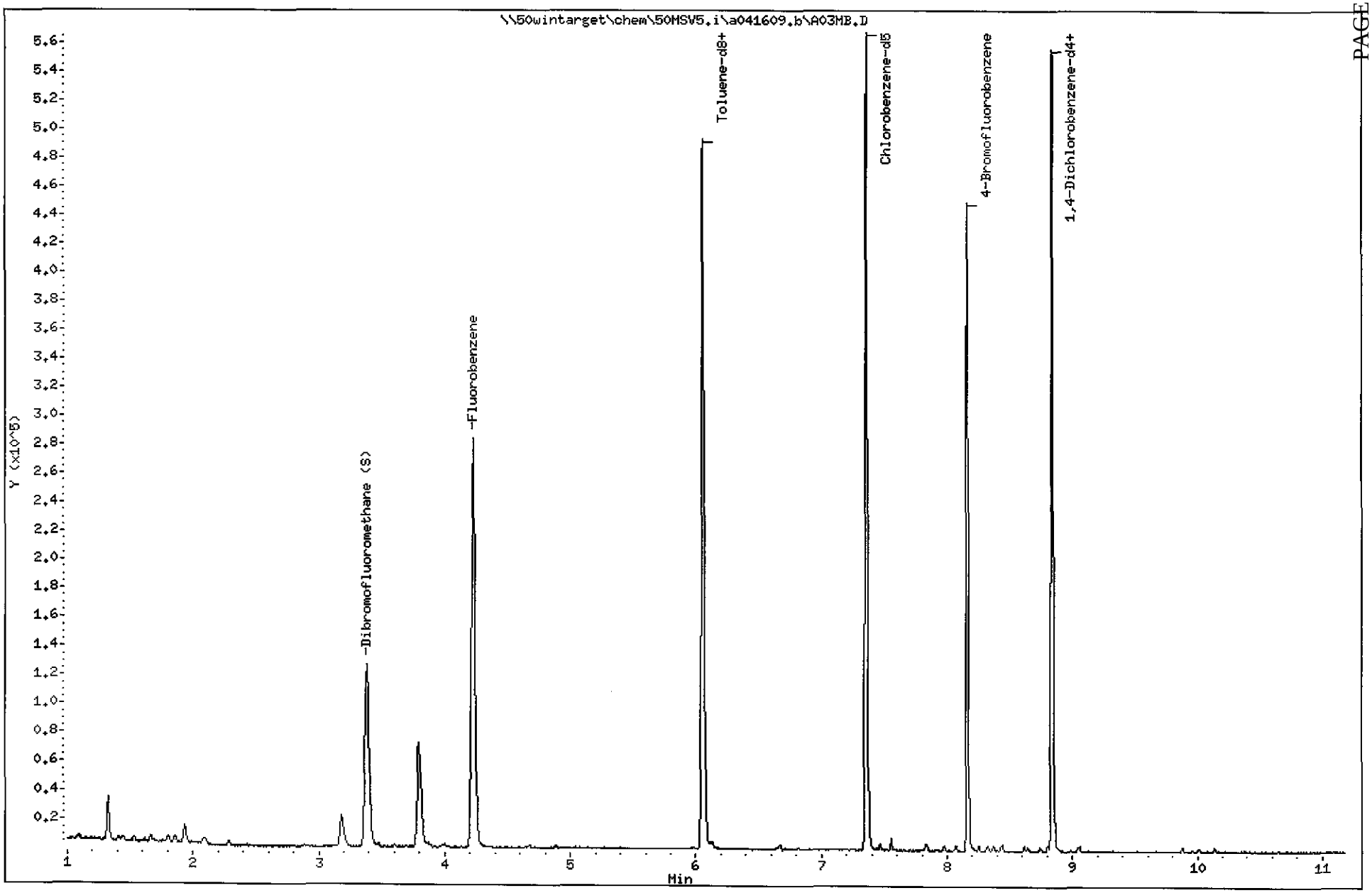
Client Name:
Lab Smp Id: 287802
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	0.648	
75-69-4	Trichlorofluoromethane	0.535	
107-13-1	Acrylonitrile	10.0	
108-88-3	Toluene	0.481	
541-73-1	1,3-Dichlorobenzene	0.486	
106-46-7	1,4-Dichlorobenzene	0.522	
95-50-1	1,2-Dichlorobenzene	0.525	
1868-53-7	Dibromofluoromethane (S)	52.6	
2037-26-5	Toluene-d8	49.6	
460-00-4	4-Bromofluorobenzene	49.5	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A03MB.D
Date : 16-APR-2009 12:08
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A03MB.D

Date : 16-APR-2009 12:08

Client ID: mb

Instrument: 50MSV5.i

Sample Info: mb

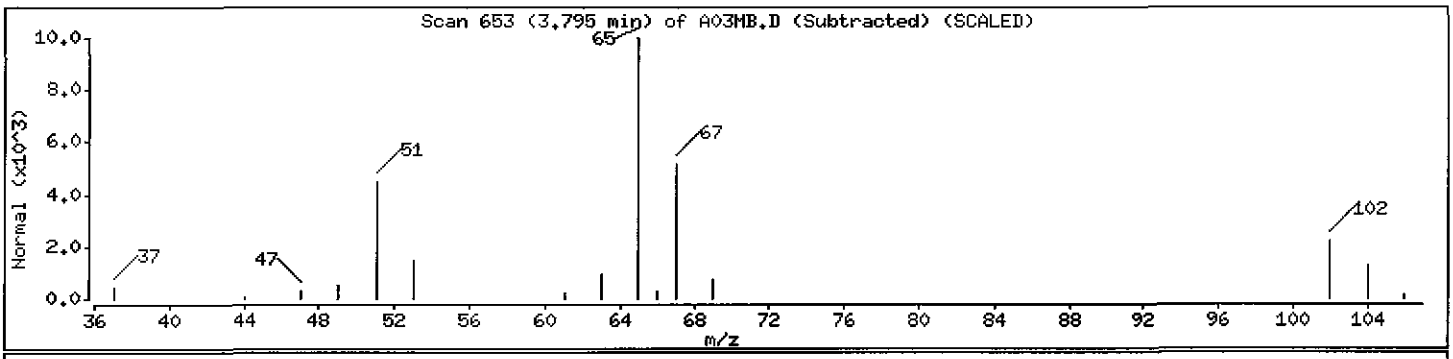
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C04MB.D
Lab Smp Id: 287806 Client Smp ID: mb
Inj Date : 16-APR-2009 23:31
Operator : ala Inst ID: 50MSV5.i
Smp Info : mb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 47 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)
6 Trichlorofluoromethane	101	1.405	1.410	(0.332)	2876	0.89202	0.892
16 Acrylonitrile	53	2.090	2.085	(0.494)	2499	8.91466	8.91
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	89149	54.2286	54.2
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	303234	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	317932	48.6740	48.7
50 Toluene	91	6.127	6.128	(0.833)	5458	0.74900	0.749
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	227069	50.0000	
62 Ethylbenzene	106	7.466	7.466	(1.015)	1204	0.47276	0.473
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	89730	46.2805	46.3
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	1598	0.49244	0.492(M)
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	105841	50.0000	
84 1,4-Dichlorobenzene	146	8.852	8.852	(1.001)	1965	0.57895	0.579(Q)
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	1550	0.54449	0.544(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C04MB.D
Lab Smp Id: 287806
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	303234	-18.86
59 Chlorobenzene-d5	255255	127628	510510	227069	-11.04
82 1,4-Dichlorobenze	136223	68112	272446	105841	-22.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287806
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: mb
Operator: ala
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.2	108.46	80-123
$ 49 Toluene-d8	50.0	48.7	97.35	80-116
$ 70 4-Bromofluorobenze	50.0	46.3	92.56	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

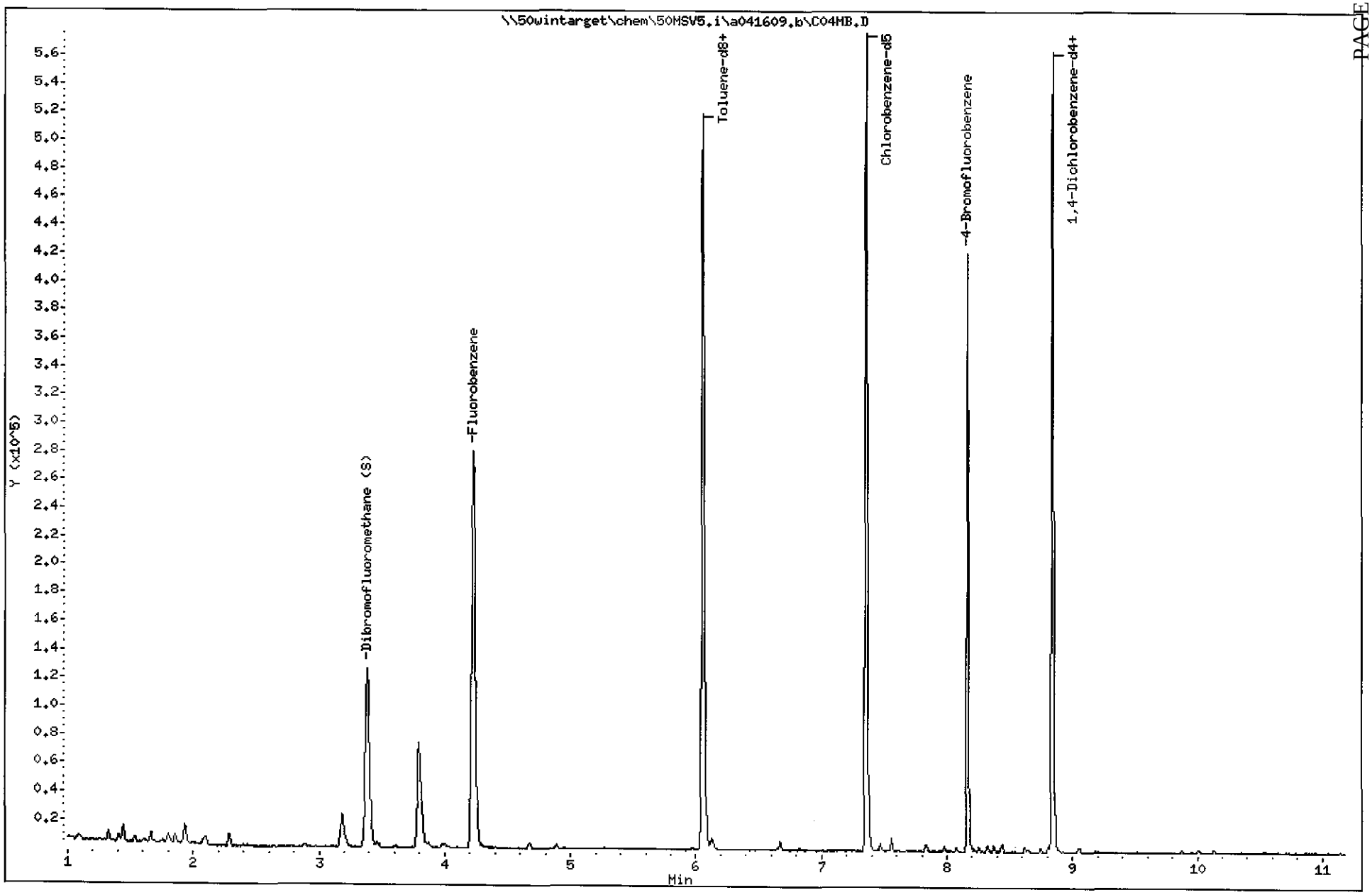
Client Name:
Lab Smp Id: 287806
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-69-4	Trichlorofluoromethane	0.892	
107-13-1	Acrylonitrile	8.91	
108-88-3	Toluene	0.749	
100-41-4	Ethylbenzene	0.473	
541-73-1	1,3-Dichlorobenzene	0.492	
106-46-7	1,4-Dichlorobenzene	0.579	
95-50-1	1,2-Dichlorobenzene	0.544	
1868-53-7	Dibromofluoromethane (S)	54.2	
2037-26-5	Toluene-d8	48.7	
460-00-4	4-Bromofluorobenzene	46.3	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C04MB.D
Date : 16-APR-2009 23:31
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C04MB.D

Date : 16-APR-2009 23:31

Client ID: mb

Instrument: 50MSV5.i

Sample Info: mb

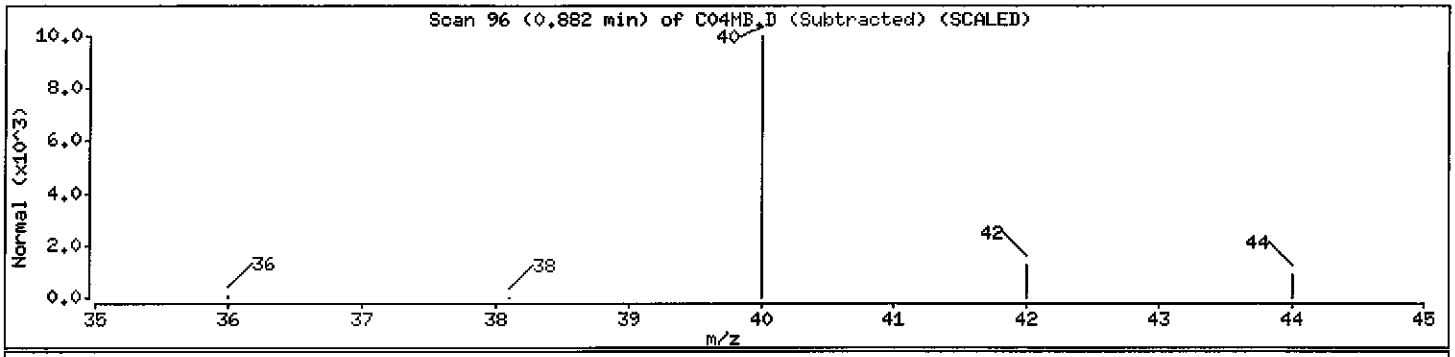
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041709.b\A03MB.D
Lab Smp Id: 288769 Client Smp ID: mb
Inj Date : 17-APR-2009 12:18
Operator : ala Inst ID: 50MSV5.i
Smp Info : mb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Meth Date : 20-Apr-2009 13:02 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 7 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)
3 Vinyl Chloride	62	1.096	1.101	(0.260)	1197	0.76729	0.767(M)
6 Trichlorofluoromethane	101	1.405	1.415	(0.333)	2355	0.75043	0.750
16 Acrylonitrile	53	2.084	2.084	(0.494)	2548	9.33841	9.34
$ 32 Dibromofluoromethane (S)	113	3.382	3.392	(0.801)	86826	54.2622	54.3
* 40 Fluorobenzene	96	4.224	4.234	(1.000)	295150	50.0000	
$ 49 Toluene-d8	98	6.054	6.059	(0.823)	293038	49.0002	49.0
50 Toluene	91	6.127	6.133	(0.833)	4303	0.64496	0.645
54 Tetrachloroethene	166	6.671	6.677	(0.907)	3499	1.63623	1.64
* 59 Chlorobenzene-d5	117	7.357	7.362	(1.000)	207896	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.167	(1.109)	84927	47.8429	47.8
81 1,3-Dichlorobenzene	146	8.805	8.805	(0.996)	1390	0.43863	0.439(M)
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	103357	50.0000	
84 1,4-Dichlorobenzene	146	8.852	8.858	(1.001)	1797	0.54218	0.542(Q)
85 1,2-Dichlorobenzene	146	9.056	9.056	(1.024)	1416	0.50938	0.509(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A03MB.D
Lab Smp Id: 288769
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info:

Calibration Date: 17-APR-2009
Calibration Time: 22:30
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	295150	-21.02
59 Chlorobenzene-d5	255255	127628	510510	207896	-18.55
82 1,4-Dichlorobenze	136223	68112	272446	103357	-24.13

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.22	-0.25
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.07
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 288769
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info:

Client SDG: a041709.b
Fraction: VOA
Client Smp ID: mb
Operator: ala
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.3	108.52	80-123
$ 49 Toluene-d8	50.0	49.0	98.00	80-116
$ 70 4-Bromofluorobenze	50.0	47.8	95.69	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

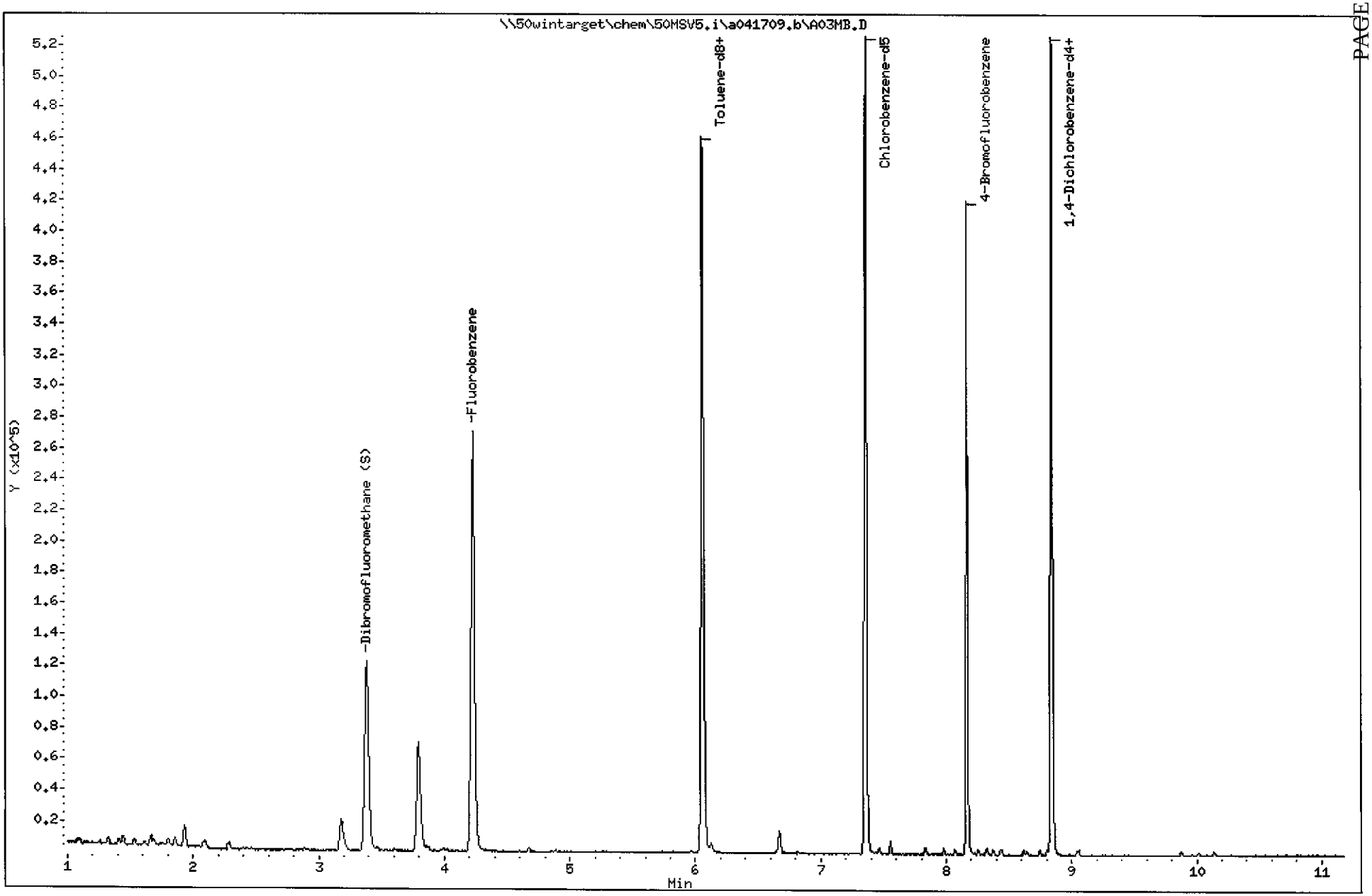
Client Name:
Lab Smp Id: 288769
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041709.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	0.767	
75-69-4	Trichlorofluoromethane	0.750	
107-13-1	Acrylonitrile	9.34	
108-88-3	Toluene	0.645	
127-18-4	Tetrachloroethene	1.64	
541-73-1	1,3-Dichlorobenzene	0.439	
106-46-7	1,4-Dichlorobenzene	0.542	
95-50-1	1,2-Dichlorobenzene	0.509	
1868-53-7	Dibromofluoromethane (S)	54.3	
2037-26-5	Toluene-d8	49.0	
460-00-4	4-Bromofluorobenzene	47.8	

Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A03MB.D
Date : 17-APR-2009 12:18
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A03MB.D

Date : 17-APR-2009 12:18

Client ID: mb

Instrument: 50MSV5.i

Sample Info: mb

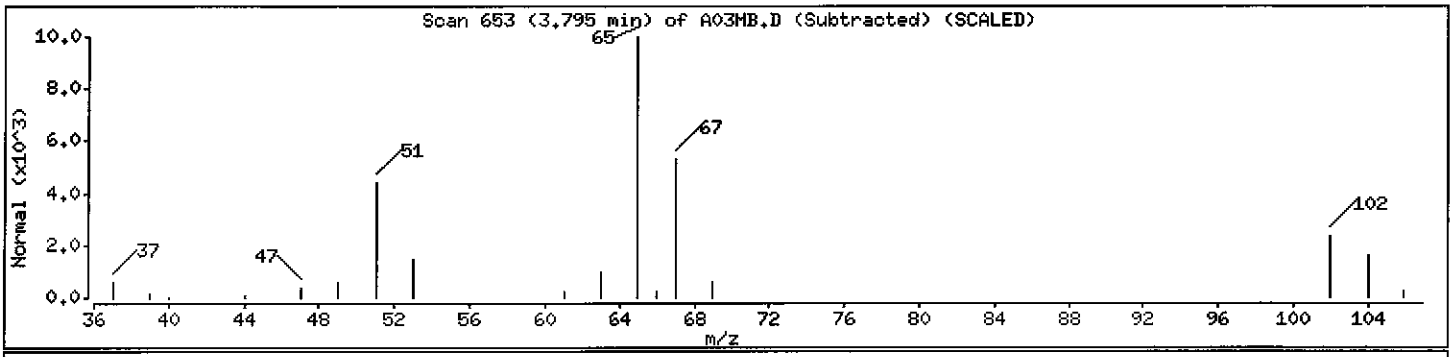
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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VOA 8260B
GC/MS Volatiles

Section 6: Client Sample Data

**** Client Sample Raw Data***
**** Dilutions or Reruns of Client Samples***
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B04.D
Lab Smp Id: 5025166001 Client Smp ID: 66001
Inj Date : 15-APR-2009 13:16
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166001tb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 10
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	66083	54.1756	54.2
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	246249	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	243108	48.9217	48.9
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	162435	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	57559	43.1112	43.1
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	63470	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B04.D
Lab Smp Id: 5025166001
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66001
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	246249	-28.53
59 Chlorobenzene-d5	214804	107402	429608	162435	-24.38
82 1,4-Dichlorobenze	110737	55369	221474	63470	-42.68

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166001
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66001
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.2	108.35	80-123
$ 49 Toluene-d8	50.0	48.9	97.84	80-116
$ 70 4-Bromofluorobenze	50.0	43.1	86.22	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

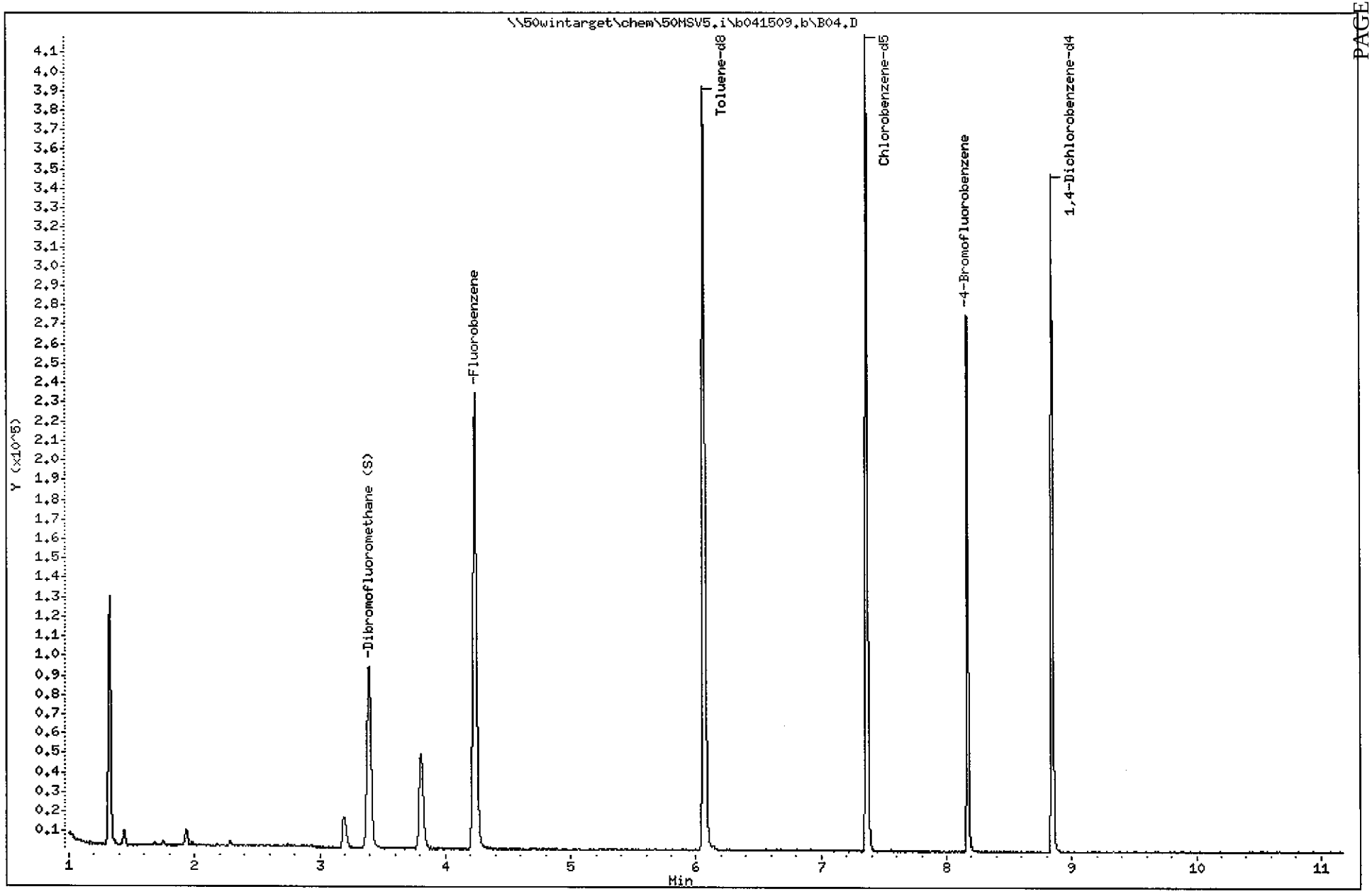
Client Name:
Lab Smp Id: 5025166001
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	54.2	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	43.1	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B04.D
Date : 15-APR-2009 13:16
Client ID: 66001
Sample Info: 5025166001tb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



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Date : 15-APR-2009 13:16

Client ID: 66001

Instrument: 50MSV5.i

Sample Info: 5025166001tb

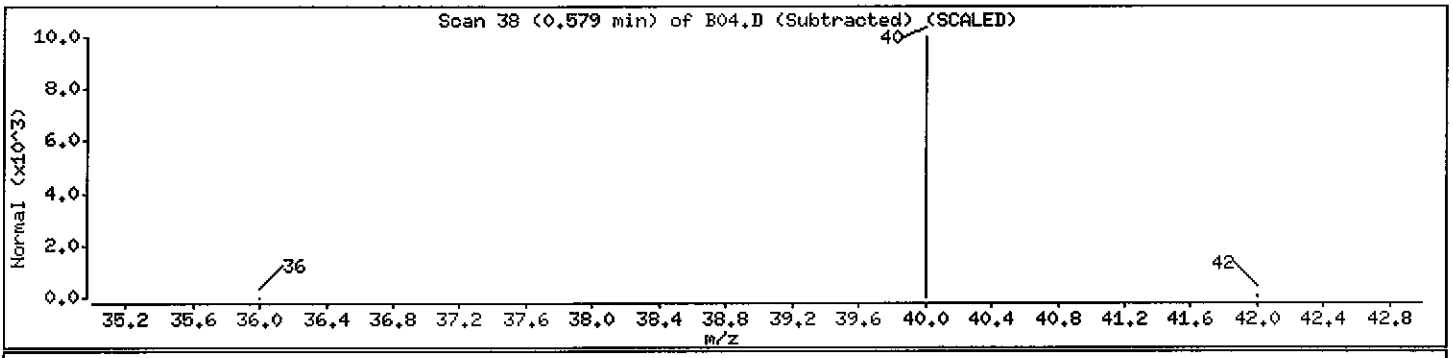
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B05.D
Lab Smp Id: 5025166002 Client Smp ID: 66002
Inj Date : 15-APR-2009 13:53
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166002
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 12
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	69222	57.5836	57.6
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	242680	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	257341	48.2610	48.3
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	174299	50.0000	
68 Isopropylbenzene	105	8.078	8.073	(1.097)	19122	4.18888	4.19
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	69117	48.2444	48.2
80 sec-Butylbenzene	105	8.748	8.748	(0.989)	17882	1.07837	1.08
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	83778	50.0000	
86 n-Butylbenzene	91	9.041	9.046	(1.022)	12605	2.71723	2.72(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B05.D
Lab Smp Id: 5025166002
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66002
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	242680	-29.56
59 Chlorobenzene-d5	214804	107402	429608	174299	-18.86
82 1,4-Dichlorobenze	110737	55369	221474	83778	-24.35

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166002
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66002
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	57.6	115.17	80-123
$ 49 Toluene-d8	50.0	48.3	96.52	80-116
$ 70 4-Bromofluorobenze	50.0	48.2	96.49	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

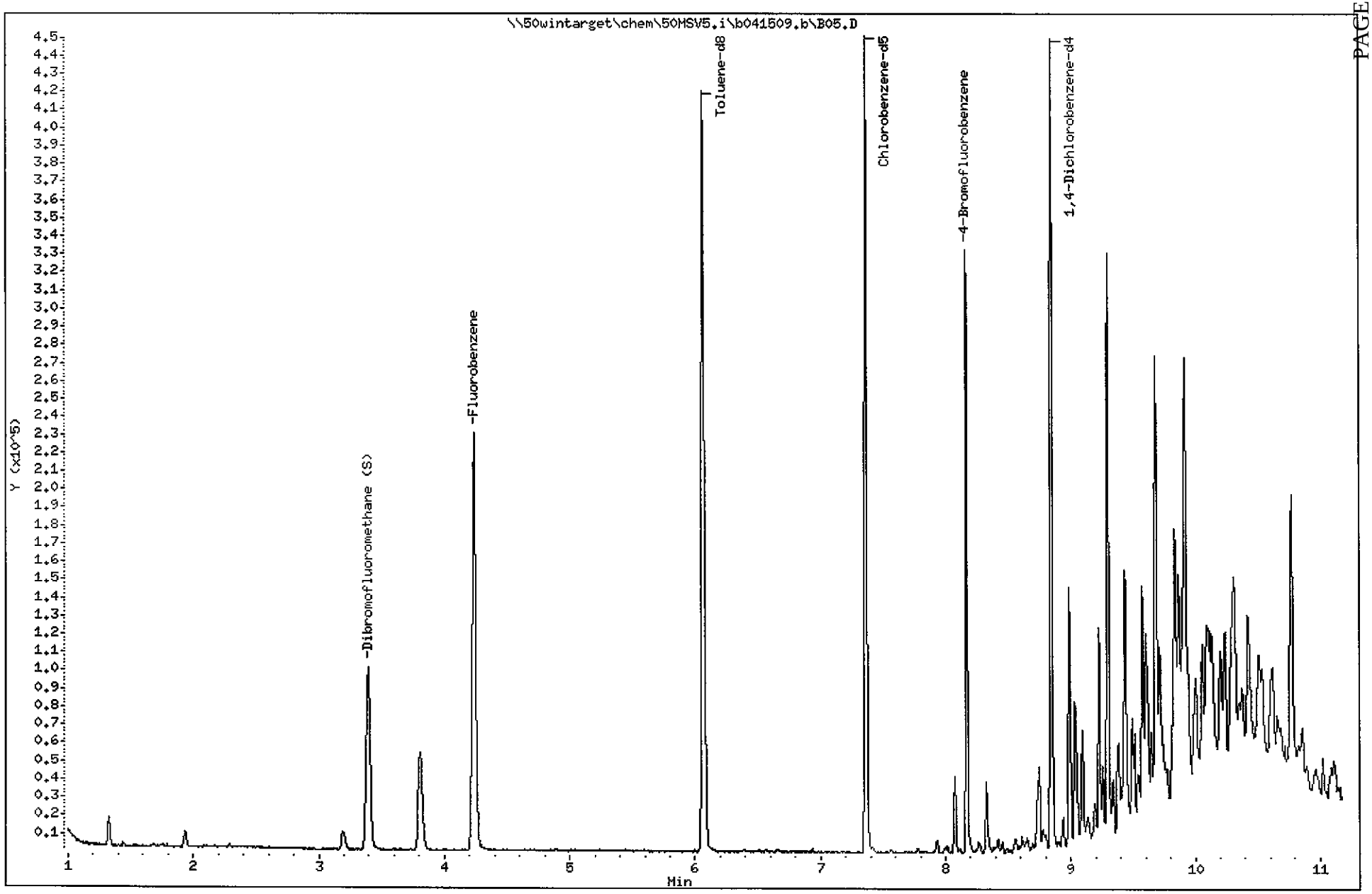
Client Name:
Lab Smp Id: 5025166002
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66002
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
98-82-8	Isopropylbenzene	4.19	
135-98-8	sec-Butylbenzene	1.08	
104-51-8	n-Butylbenzene	2.72	
1868-53-7	Dibromofluoromethane (S)	57.6	
2037-26-5	Toluene-d8	48.3	
460-00-4	4-Bromofluorobenzene	48.2	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B05.D
Date : 15-APR-2009 13:53
Client ID: 66002
Sample Info: 5025166002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B05.D

Date : 15-APR-2009 13:53

Client ID: 66002

Instrument: 50MSV5.i

Sample Info: 5025166002

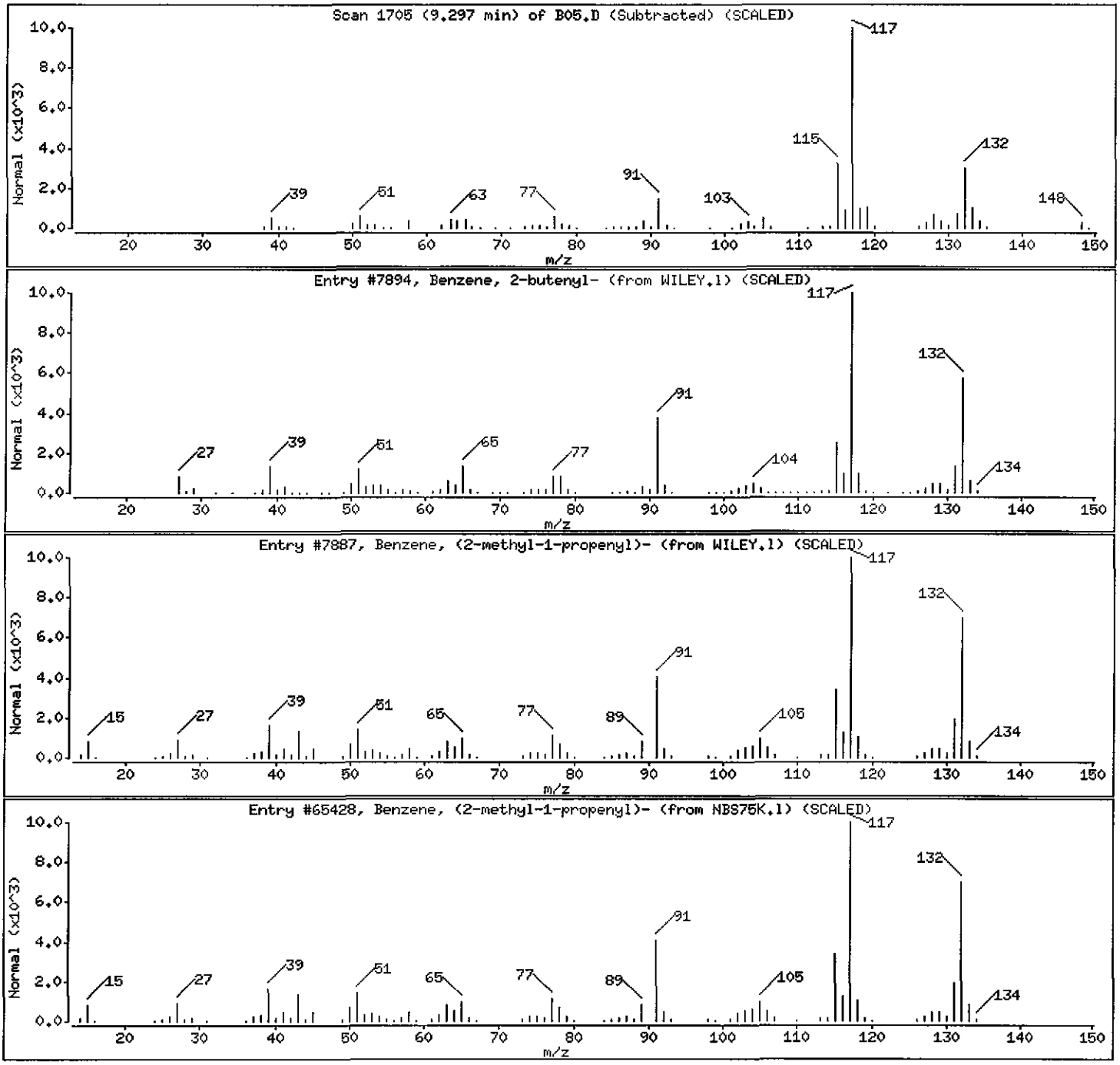
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Benzene, 2-butenyl-	1560-06-1	WILEY.l	7894	83	C10H12	132
Benzene, (2-methyl-1-propenyl)-	768-49-0	WILEY.l	7887	83	C10H12	132
Benzene, (2-methyl-1-propenyl)-	768-49-0	NBS75K.l	65428	83	C10H12	132



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B06.D
Lab Smp Id: 5025166003 Client Smp ID: 66003
Inj Date : 15-APR-2009 14:29
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166003
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 14
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)
25 1,2-Dichloroethene (cis)	96	2.890	2.890	(0.683)	1576	0.92567	0.926
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	74248	51.1155	51.1
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	293238	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	299769	46.4825	46.5
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	210804	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	88319	50.9720	51.0
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	100855	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B06.D
Lab Smp Id: 5025166003
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66003
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	293238	-14.89
59 Chlorobenzene-d5	214804	107402	429608	210804	-1.86
82 1,4-Dichlorobenze	110737	55369	221474	100855	-8.92

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166003
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66003
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	51.1	102.23	80-123
$ 49 Toluene-d8	50.0	46.5	92.97	80-116
$ 70 4-Bromofluorobenze	50.0	51.0	101.94	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025166003
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

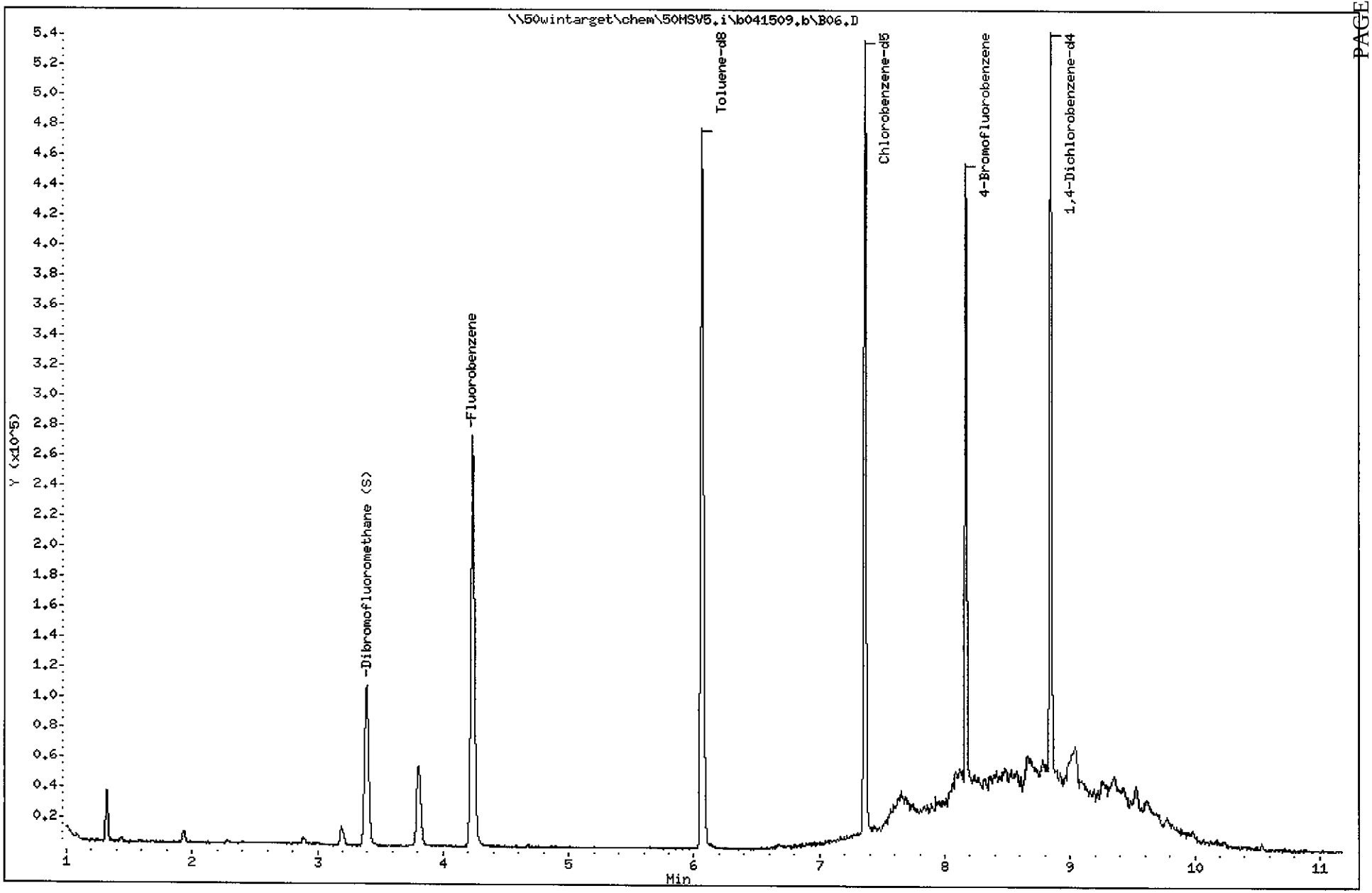
Client SDG: b041509.b
Client Smp ID: 66003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	0.926	
1868-53-7	Dibromofluoromethane (S)	51.1	
2037-26-5	Toluene-d8	46.5	
460-00-4	4-Bromofluorobenzene	51.0	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B06.D
Date : 15-APR-2009 14:29
Client ID: 66003
Sample Info: 5025166003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B06.D

Date : 15-APR-2009 14:29

Client ID: 66003

Instrument: 50MSV5.i

Sample Info: 5025166003

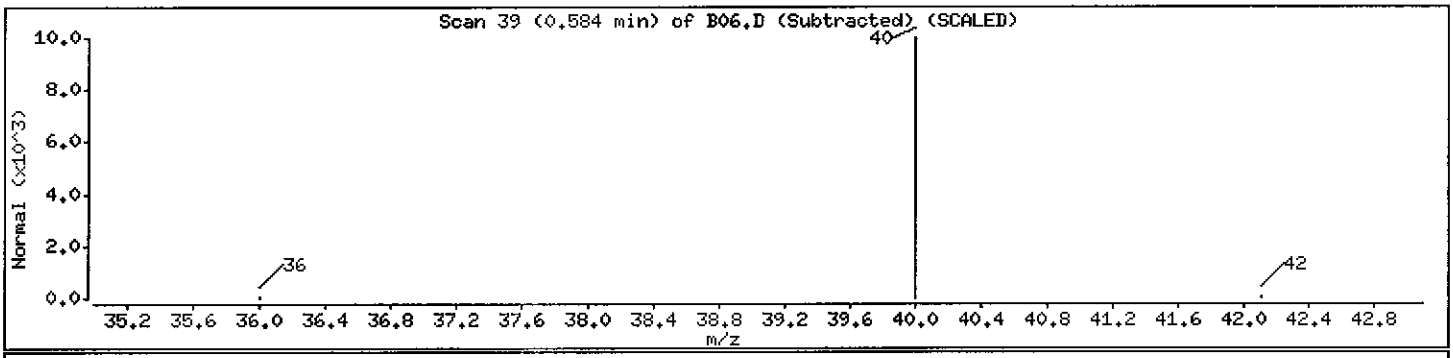
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B07.D
Lab Smp Id: 5025166004 Client Smp ID: 66004
Inj Date : 15-APR-2009 15:06
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166004
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 16
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	76936	53.8173	53.8
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	288600	50.0000	
$ 49 Toluene-d8	98	6.064	6.064	(0.824)	296570	48.8648	48.9
* 59 Chlorobenzene-d5	117	7.361	7.362	(1.000)	198387	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	75612	46.3697	46.4
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	81640	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B07.D
Lab Smp Id: 5025166004
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66004
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	288600	-16.23
59 Chlorobenzene-d5	214804	107402	429608	198387	-7.64
82 1,4-Dichlorobenze	110737	55369	221474	81640	-26.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.13
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166004
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66004
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.63	80-123
$ 49 Toluene-d8	50.0	48.9	97.73	80-116
$ 70 4-Bromofluorobenze	50.0	46.4	92.74	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

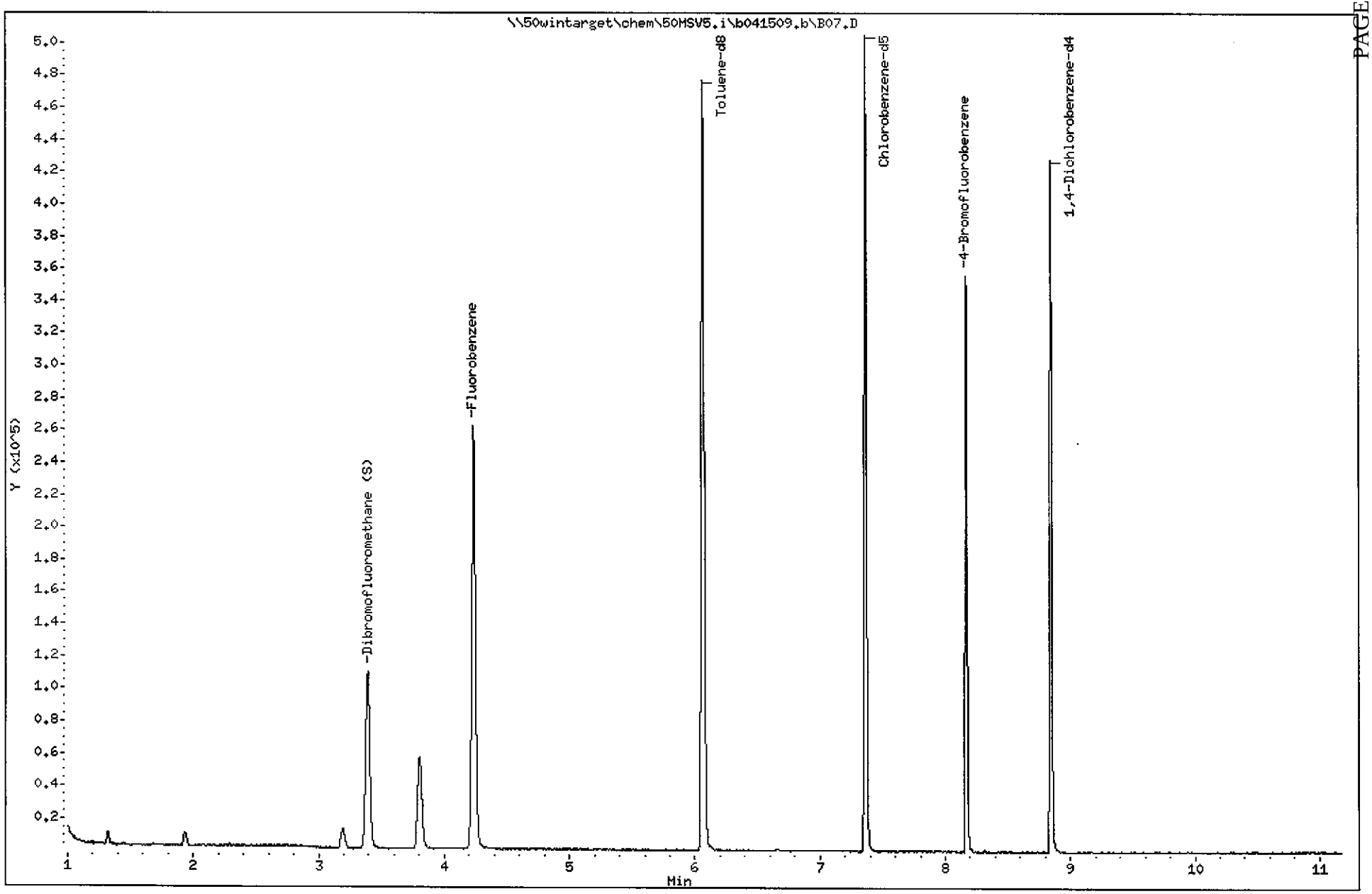
Client Name:
Lab Smp Id: 5025166004
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66004
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	46.4	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B07.D
Date : 15-APR-2009 15:06
Client ID: 66004
Sample Info: 5025166004
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B07.D

Date : 15-APR-2009 15:06

Client ID: 66004

Instrument: 50MSV5.i

Sample Info: 5025166004

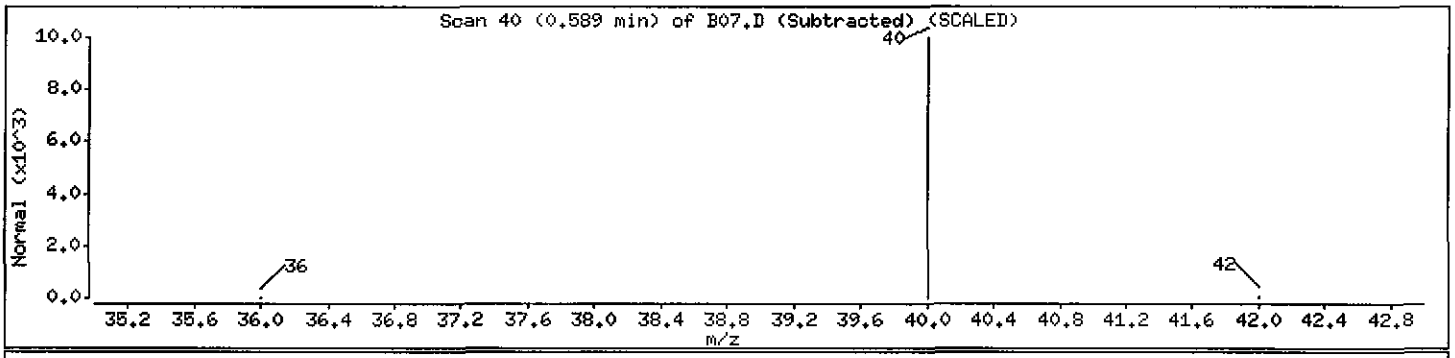
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B08.D
Lab Smp Id: 5025166005 Client Smp ID: 66005
Inj Date : 15-APR-2009 15:43
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166005
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 18
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	73030	52.8365	52.8
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	279033	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	271817	49.0885	49.1
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	181000	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	67191	45.1637	45.2
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	71891	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B08.D
Lab Smp Id: 5025166005
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66005
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	279033	-19.01
59 Chlorobenzene-d5	214804	107402	429608	181000	-15.74
82 1,4-Dichlorobenze	110737	55369	221474	71891	-35.08

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041509.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166005
Client Smp ID: 66005
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.8	105.67	80-123
$ 49 Toluene-d8	50.0	49.1	98.18	80-116
$ 70 4-Bromofluorobenze	50.0	45.2	90.33	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

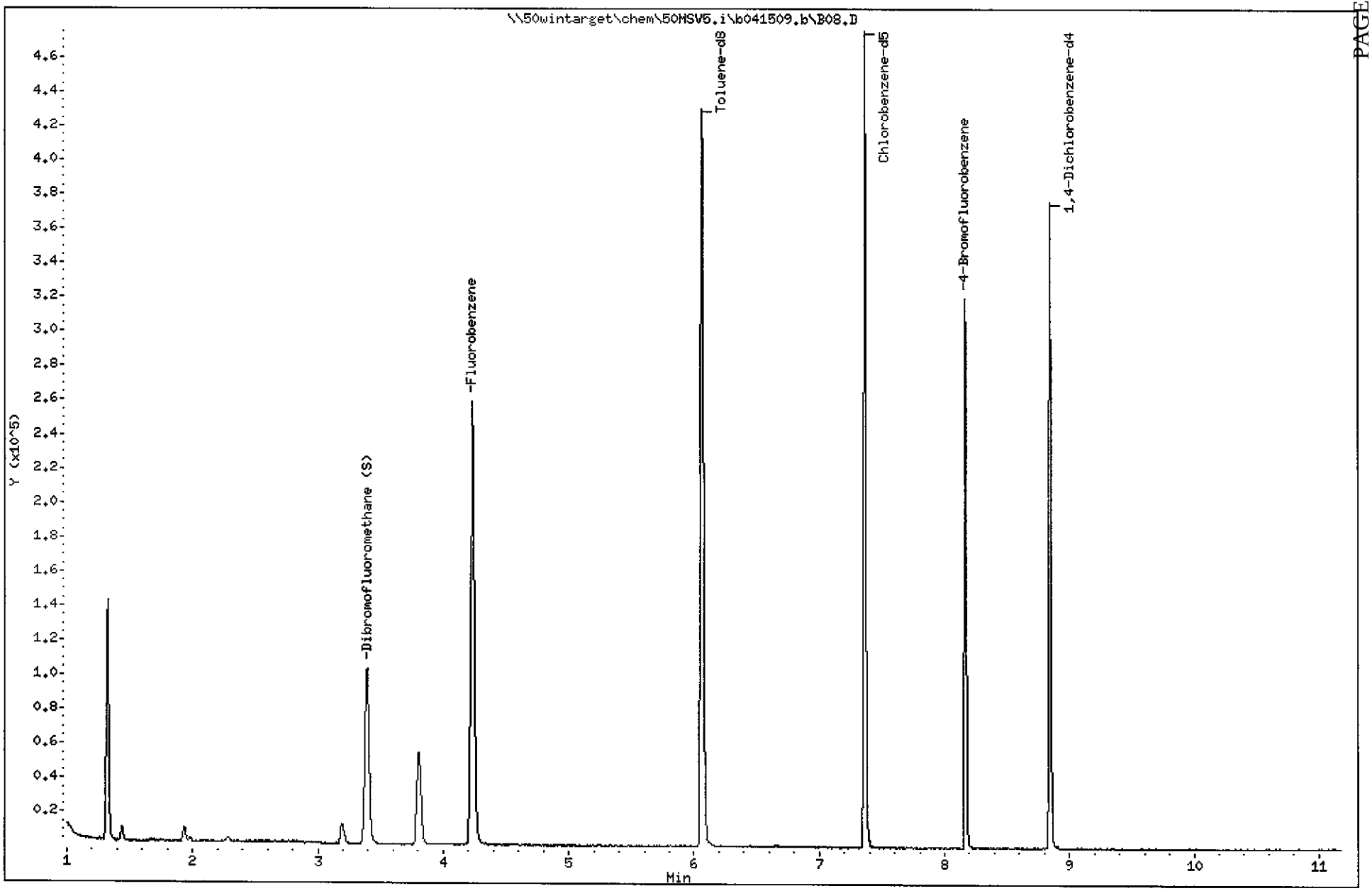
Client Name:
Lab Smp Id: 5025166005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	52.8	
2037-26-5	Toluene-d8	49.1	
460-00-4	4-Bromofluorobenzene	45.2	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B08.D
Date : 15-APR-2009 15:43
Client ID: 66005
Sample Info: 5025166005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B08.D

Date : 15-APR-2009 15:43

Client ID: 66005

Instrument: 50MSV5.i

Sample Info: 5025166005

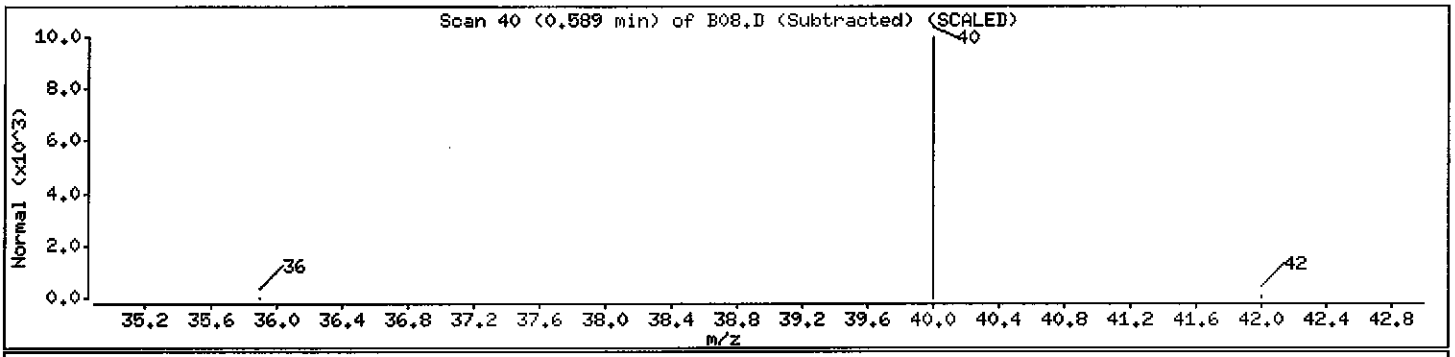
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B09.D
Lab Smp Id: 5025166006 Client Smp ID: 66006
Inj Date : 15-APR-2009 16:19
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166006
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 20
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)
3 Vinyl Chloride	62	1.096	1.096	(0.259)	2609	3.42430	3.42
18 1,2-Dichloroethene (trans)	96	2.105	2.105	(0.497)	2008	1.25566	1.26
21 1,1-Dichloroethane	63	2.398	2.398	(0.566)	27631	9.89251	9.89
25 1,2-Dichloroethene (cis)	96	2.884	2.890	(0.681)	15134	9.97446	9.97
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	69242	53.4899	53.5
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	261328	50.0000	
$ 49 Toluene-d8	98	6.064	6.064	(0.824)	253259	49.4165	49.4
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	167523	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	61927	44.9741	45.0
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	66633	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B09.D
Lab Smp Id: 5025166006
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66006
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	261328	-24.15
59 Chlorobenzene-d5	214804	107402	429608	167523	-22.01
82 1,4-Dichlorobenze	110737	55369	221474	66633	-39.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166006
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66006
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.5	106.98	80-123
$ 49 Toluene-d8	50.0	49.4	98.83	80-116
$ 70 4-Bromofluorobenze	50.0	45.0	89.95	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

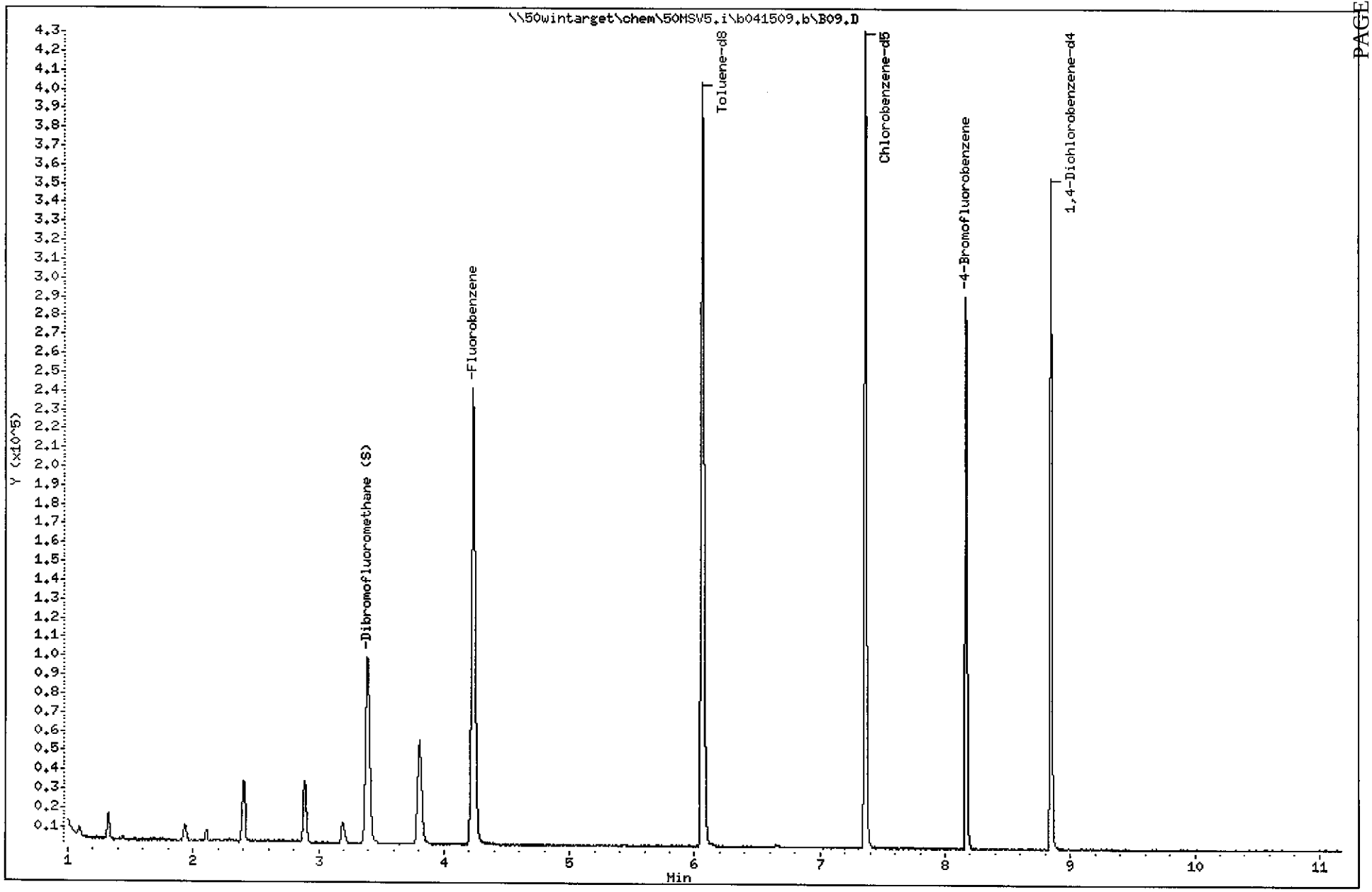
Client Name:
Lab Smp Id: 5025166006
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	3.42	
156-60-5	1,2-Dichloroethene (trans)	1.26	
75-34-3	1,1-Dichloroethane	9.89	
156-59-2	1,2-Dichloroethene (cis)	9.97	
1868-53-7	Dibromofluoromethane (S)	53.5	
2037-26-5	Toluene-d8	49.4	
460-00-4	4-Bromofluorobenzene	45.0	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B09.D
Date : 15-APR-2009 16:19
Client ID: 66006
Sample Info: 5025166006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B09.D

Date : 15-APR-2009 16:19

Client ID: 66006

Instrument: 50MSV5.i

Sample Info: 5025166006

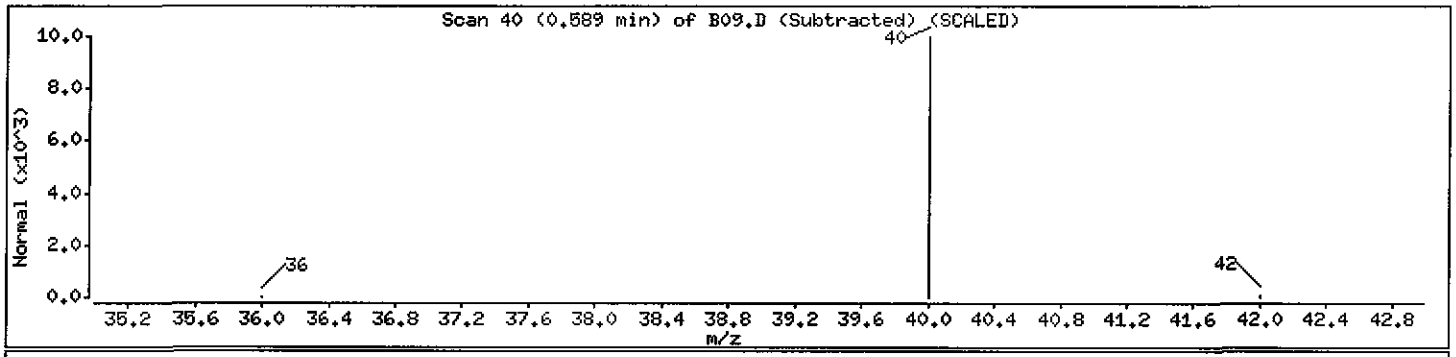
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B10.D
Lab Smp Id: 5025166007 Client Smp ID: 66007
Inj Date : 15-APR-2009 16:56
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166007
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 22
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	70920	53.7692	53.8
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	266271	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	257846	49.1102	49.1
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	171621	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	63809	45.2343	45.2
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	69833	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B10.D
Lab Smp Id: 5025166007
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66007
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	266271	-22.71
59 Chlorobenzene-d5	214804	107402	429608	171621	-20.10
82 1,4-Dichlorobenze	110737	55369	221474	69833	-36.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166007
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66007
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.54	80-123
$ 49 Toluene-d8	50.0	49.1	98.22	80-116
$ 70 4-Bromofluorobenze	50.0	45.2	90.47	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

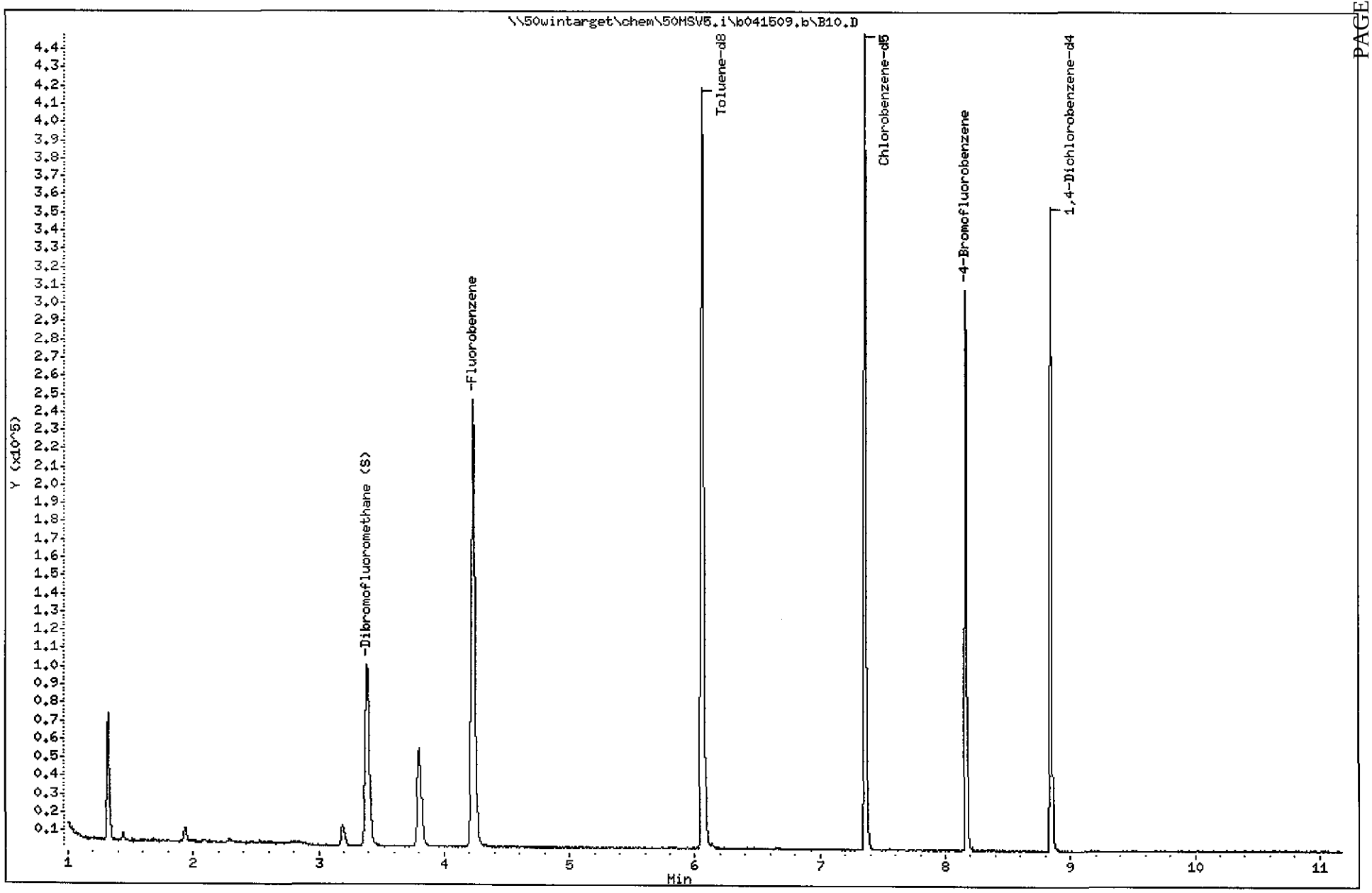
Client Name:
Lab Smp Id: 5025166007
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66007
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	49.1	
460-00-4	4-Bromofluorobenzene	45.2	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B10.D
Date : 15-APR-2009 16:56
Client ID: 66007
Sample Info: 5025166007
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B10.D

Date : 15-APR-2009 16:56

Client ID: 66007

Instrument: 50MSV5.i

Sample Info: 5025166007

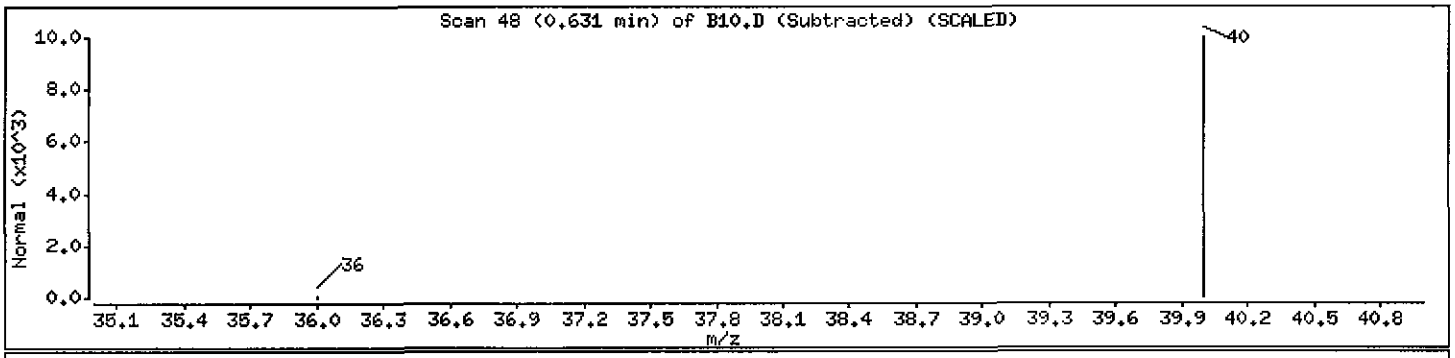
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B11.D
Lab Smp Id: 5025166008 Client Smp ID: 66008
Inj Date : 15-APR-2009 17:32
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166008
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 24
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)
25 1,2-Dichloroethene (cis)	96	2.885	2.890	(0.681)	1608	0.97993	0.980
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	74044	52.8891	52.9
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	282626	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	273433	49.6925	49.7
54 Tetrachloroethene	166	6.682	6.682	(0.908)	7727	7.20888	7.21
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	179863	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	67372	45.5716	45.6
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	73473	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B11.D
Lab Smp Id: 5025166008
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66008
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	282626	-17.97
59 Chlorobenzene-d5	214804	107402	429608	179863	-16.27
82 1,4-Dichlorobenze	110737	55369	221474	73473	-33.65

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041509.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166008
Client Smp ID: 66008
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.9	105.78	80-123
$ 49 Toluene-d8	50.0	49.7	99.39	80-116
$ 70 4-Bromofluorobenze	50.0	45.6	91.14	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

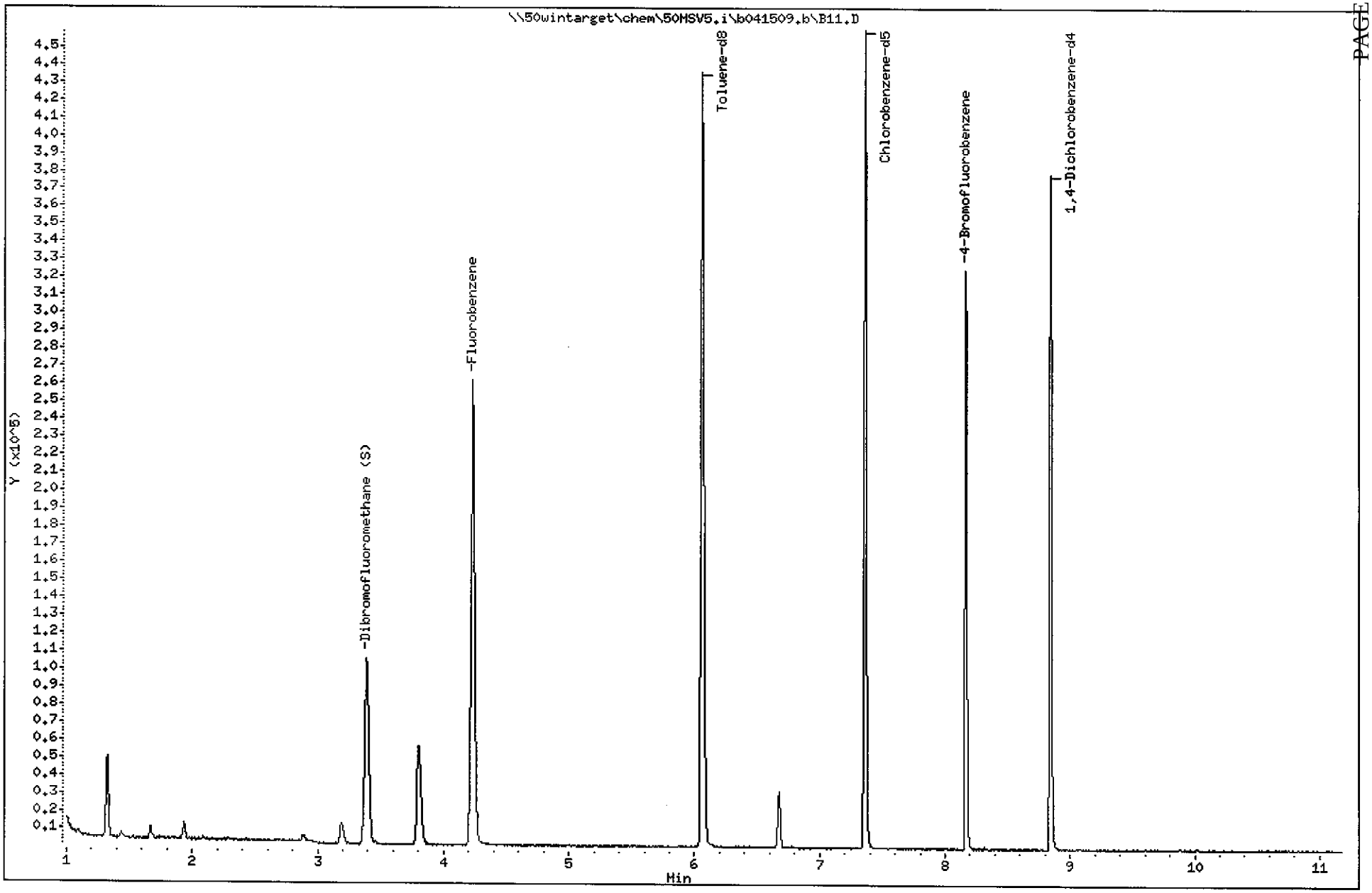
Client Name:
Lab Smp Id: 5025166008
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66008
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	0.980	
127-18-4	Tetrachloroethene	7.21	
1868-53-7	Dibromofluoromethane (S)	52.9	
2037-26-5	Toluene-d8	49.7	
460-00-4	4-Bromofluorobenzene	45.6	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B11.D
Date : 15-APR-2009 17:32
Client ID: 66008
Sample Info: 5025166008
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B11.D

Date : 15-APR-2009 17:32

Client ID: 66008

Instrument: 50MSV5.i

Sample Info: 5025166008

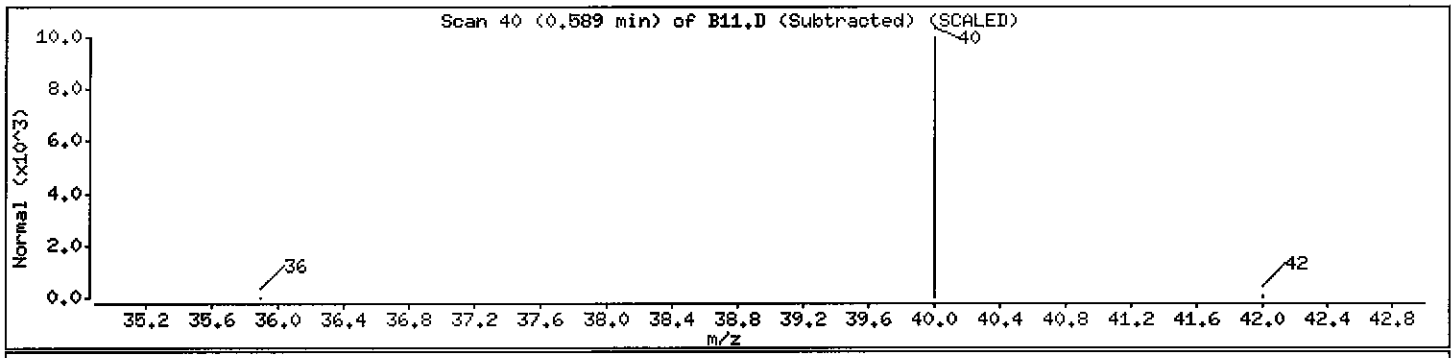
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B12.D
Lab Smp Id: 5025166009 Client Smp ID: 66009
Inj Date : 15-APR-2009 18:09
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166009
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 26
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	68125	57.8773	57.9
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	237622	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	268964	49.7474	49.7
54 Tetrachloroethene	166	6.677	6.682	(0.907)	7723	7.26344	7.26
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	176728	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	63429	43.6656	43.7
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	67212	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B12.D
Lab Smp Id: 5025166009
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66009
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	237622	-31.03
59 Chlorobenzene-d5	214804	107402	429608	176728	-17.73
82 1,4-Dichlorobenze	110737	55369	221474	67212	-39.30

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041509.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166009
Client Smp ID: 66009
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	57.9	115.75	80-123
$ 49 Toluene-d8	50.0	49.7	99.49	80-116
$ 70 4-Bromofluorobenze	50.0	43.7	87.33	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

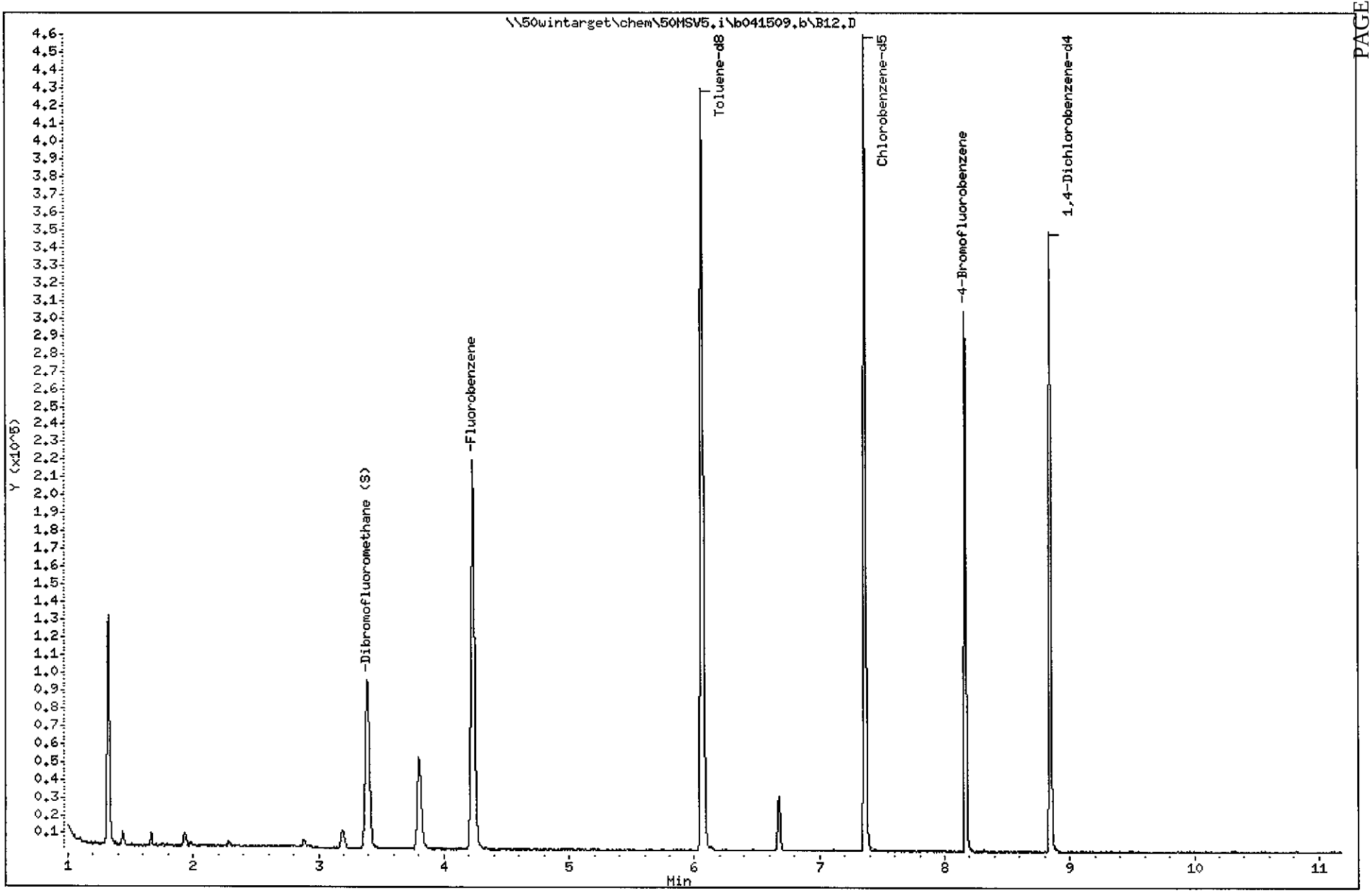
Client Name:
Lab Smp Id: 5025166009
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66009
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
127-18-4	Tetrachloroethene	7.26	
1868-53-7	Dibromofluoromethane (S)	57.9	
2037-26-5	Toluene-d8	49.7	
460-00-4	4-Bromofluorobenzene	43.7	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B12.D
Date : 15-APR-2009 18:09
Client ID: 66009
Sample Info: 5025166009
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B12.D

Date : 15-APR-2009 18:09

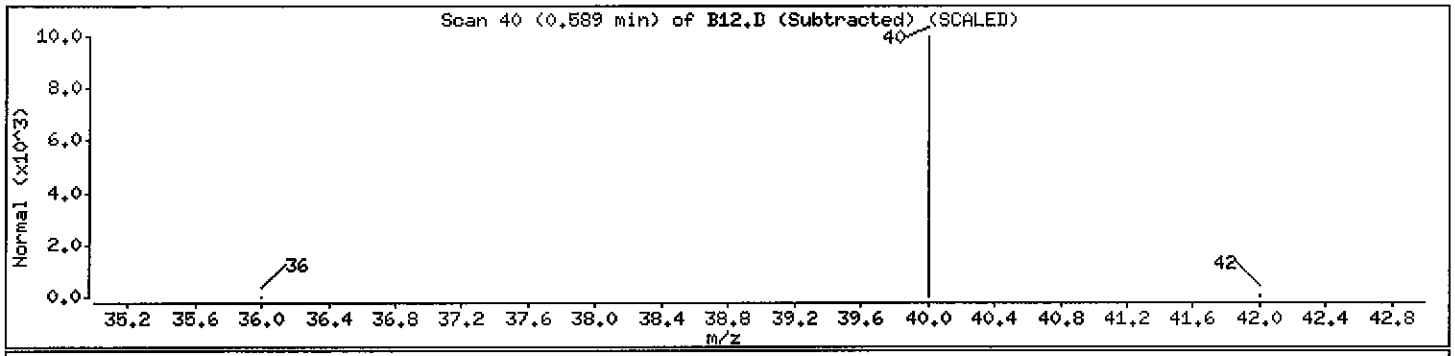
Client ID: 66009 Instrument: 50MSV5.i

Sample Info: 5025166009

Purge Volume: 5.0 Operator: ala

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B13.D
Lab Smp Id: 5025166010 Client Smp ID: 66010
Inj Date : 15-APR-2009 18:46
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166010
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.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)
3 Vinyl Chloride	62	1.096	1.096	(0.259)	2429	3.36070	3.36
25 1,2-Dichloroethene (cis)	96	2.884	2.890	(0.681)	3706	2.51778	2.52
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	66624	53.0530	53.0
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	253518	50.0000	
41 Trichloroethene	95	4.673	4.678	(1.104)	65413	41.8096	41.8
$ 49 Toluene-d8	98	6.064	6.064	(0.824)	241290	48.8070	48.8
54 Tetrachloroethene	166	6.676	6.682	(0.907)	162206	78.0928	78.1
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	161599	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	58162	43.7882	43.8
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	64504	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B13.D
Lab Smp Id: 5025166010
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66010
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	253518	-26.42
59 Chlorobenzene-d5	214804	107402	429608	161599	-24.77
82 1,4-Dichlorobenze	110737	55369	221474	64504	-41.75

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041509.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166010
Client Smp ID: 66010
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.0	106.11	80-123
$ 49 Toluene-d8	50.0	48.8	97.61	80-116
$ 70 4-Bromofluorobenze	50.0	43.8	87.58	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

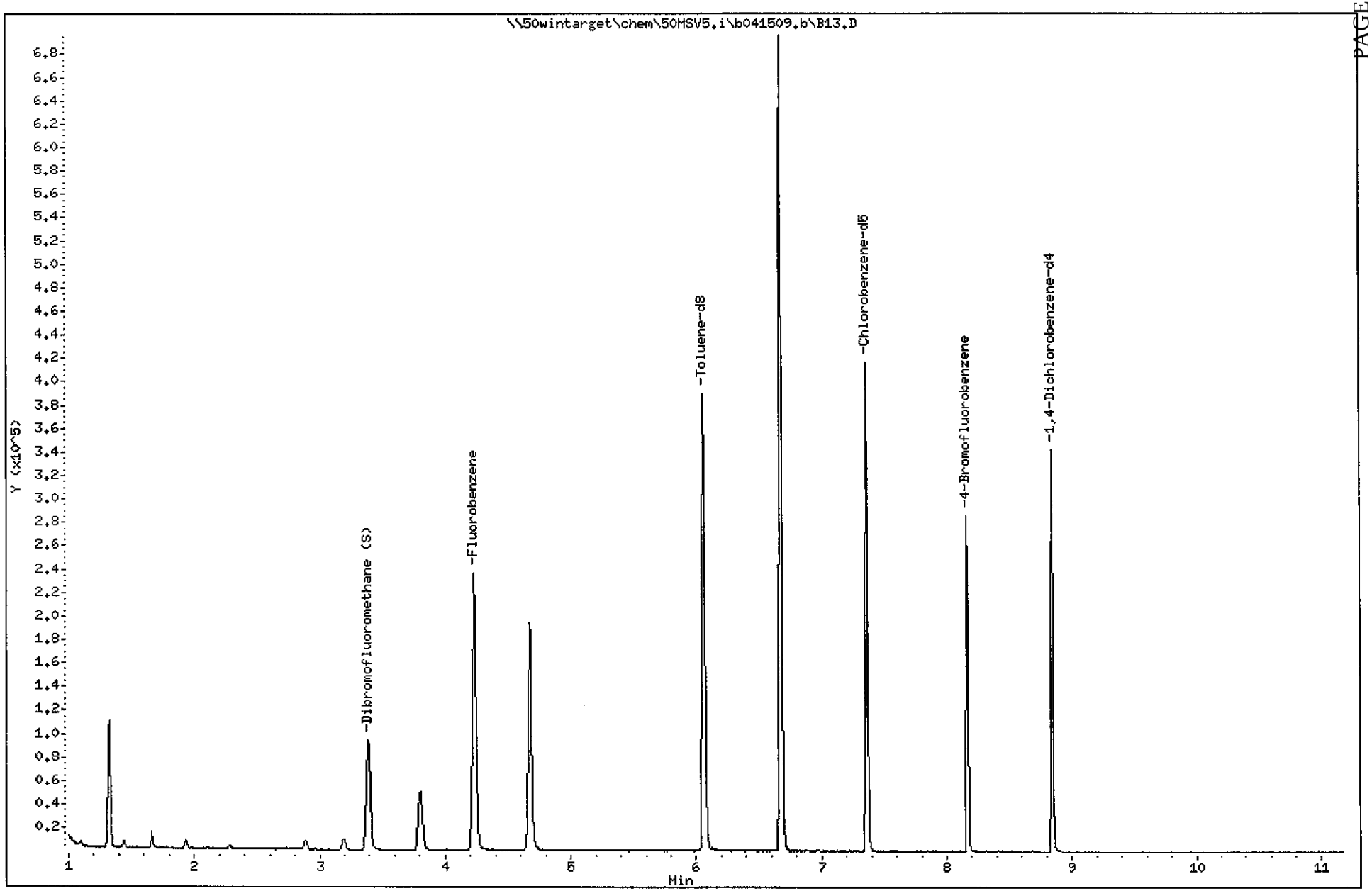
Client Name:
Lab Smp Id: 5025166010
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66010
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	3.36	
156-59-2	1,2-Dichloroethene (cis)	2.52	
79-01-6	Trichloroethene	41.8	
127-18-4	Tetrachloroethene	78.1	
1868-53-7	Dibromofluoromethane (S)	53.0	
2037-26-5	Toluene-d8	48.8	
460-00-4	4-Bromofluorobenzene	43.8	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B13.D
Date : 15-APR-2009 18:46
Client ID: 66010
Sample Info: 5025166010
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B13.D

Date : 15-APR-2009 18:46

Client ID: 66010

Instrument: 50MSV5.i

Sample Info: 5025166010

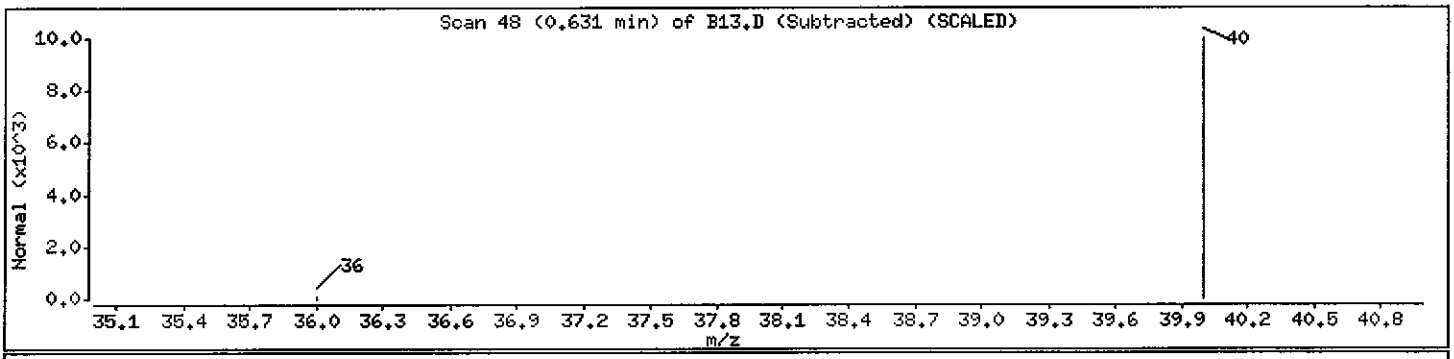
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B14.D
Lab Smp Id: 5025166011 Client Smp ID: 66011
Inj Date : 15-APR-2009 19:22
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166011
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.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)
3 Vinyl Chloride	62	1.096	1.096	(0.259)	3432	4.16374	4.16
18 1,2-Dichloroethene (trans)	96	2.100	2.105	(0.496)	14186	9.90306	9.90
21 1,1-Dichloroethane	63	2.398	2.398	(0.566)	41617	16.6334	16.6
25 1,2-Dichloroethene (cis)	96	2.885	2.890	(0.681)	250237	184.114	184
$ 32 Dibromofluoromethane (S)	113	3.392	3.392	(0.801)	64705	55.8007	55.8
33 1,1,1-Trichloroethane	97	3.413	3.413	(0.806)	5866	8.02107	8.02
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	234092	50.0000	
41 Trichloroethene	95	4.673	4.678	(1.104)	242588	167.920	168
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	231861	49.5661	49.6
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	152906	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	55980	44.5415	44.5
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	60735	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B14.D
Lab Smp Id: 5025166011
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66011
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	234092	-32.05
59 Chlorobenzene-d5	214804	107402	429608	152906	-28.82
82 1,4-Dichlorobenze	110737	55369	221474	60735	-45.15

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166011
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66011
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	55.8	111.60	80-123
$ 49 Toluene-d8	50.0	49.6	99.13	80-116
$ 70 4-Bromofluorobenze	50.0	44.5	89.08	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

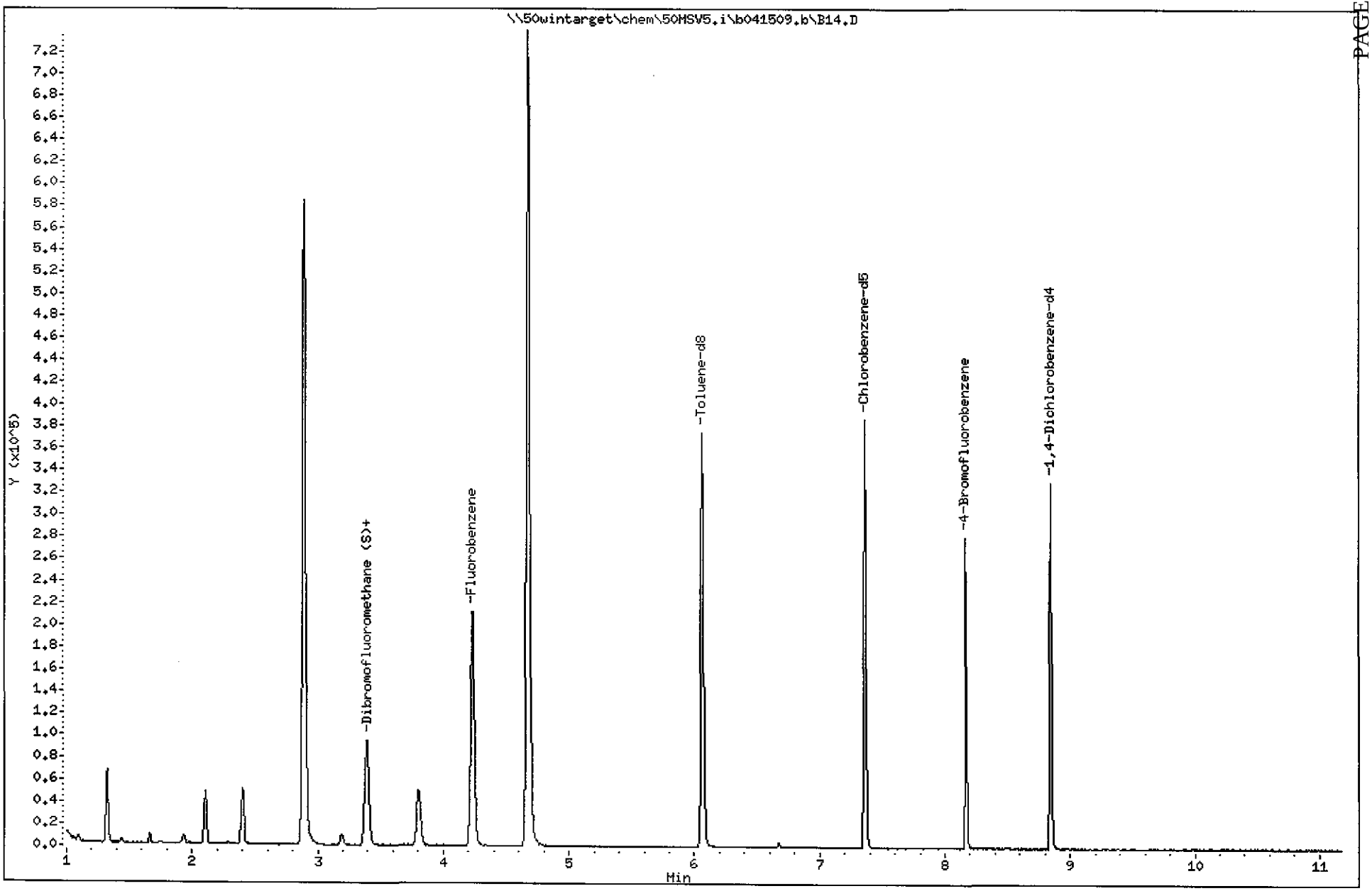
Client Name:
Lab Smp Id: 5025166011
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66011
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	4.16	
156-60-5	1,2-Dichloroethene (trans)	9.90	
75-34-3	1,1-Dichloroethane	16.6	
156-59-2	1,2-Dichloroethene (cis)	184	
71-55-6	1,1,1-Trichloroethane	8.02	
79-01-6	Trichloroethene	168	
1868-53-7	Dibromofluoromethane (S)	55.8	
2037-26-5	Toluene-d8	49.6	
460-00-4	4-Bromofluorobenzene	44.5	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B14.D
Date : 15-APR-2009 19:22
Client ID: 66011
Sample Info: 5025166011
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B14.D

Date : 15-APR-2009 19:22

Client ID: 66011

Instrument: 50MSV5.i

Sample Info: 5025166011

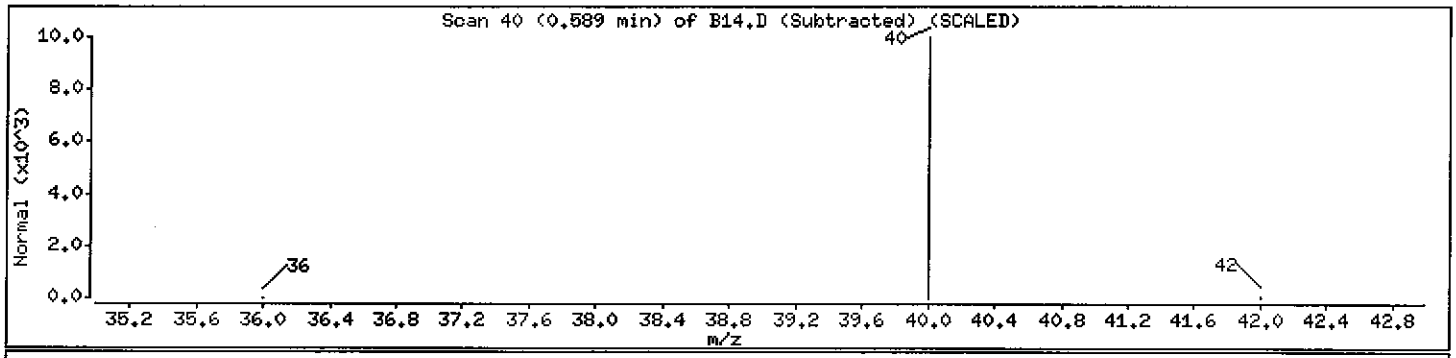
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B15.D
Lab Smp Id: 5025166012 Client Smp ID: 66012
Inj Date : 15-APR-2009 19:59
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166012
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 32
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	63187	57.2287	57.2
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	222896	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	227778	48.2015	48.2
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	154466	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	55413	43.6451	43.6
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	58931	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B15.D
Lab Smp Id: 5025166012
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66012
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	222896	-35.30
59 Chlorobenzene-d5	214804	107402	429608	154466	-28.09
82 1,4-Dichlorobenze	110737	55369	221474	58931	-46.78

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166012
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66012
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	57.2	114.46	80-123
$ 49 Toluene-d8	50.0	48.2	96.40	80-116
$ 70 4-Bromofluorobenze	50.0	43.6	87.29	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025166012
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66012
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

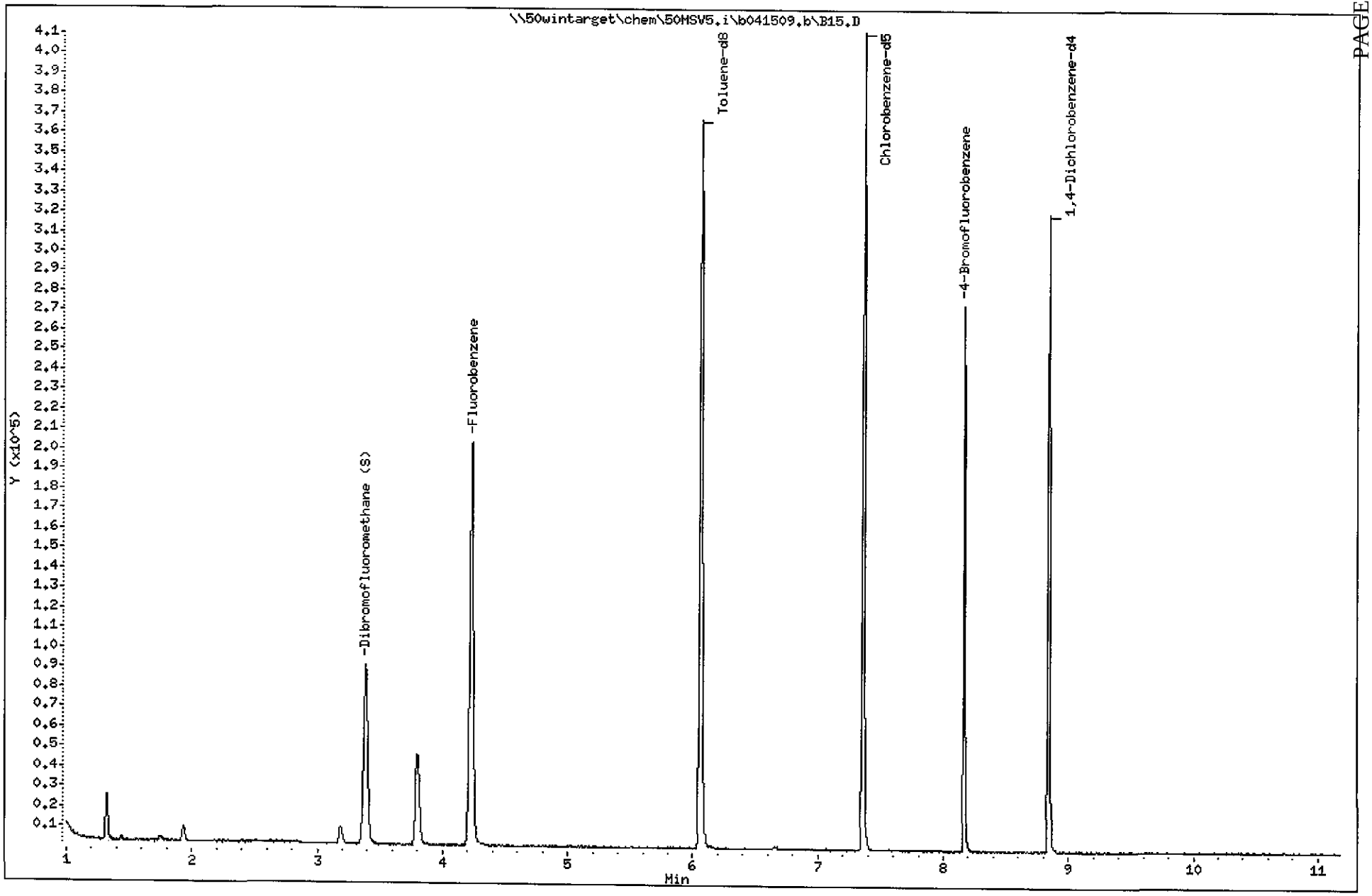
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	57.2	
2037-26-5	Toluene-d8	48.2	
460-00-4	4-Bromofluorobenzene	43.6	

Page 5

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B15.D
Date : 15-APR-2009 19:59
Client ID: 66012
Sample Info: 5025166012
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B15.D

Date : 15-APR-2009 19:59

Client ID: 66012

Instrument: 50MSV5.i

Sample Info: 5025166012

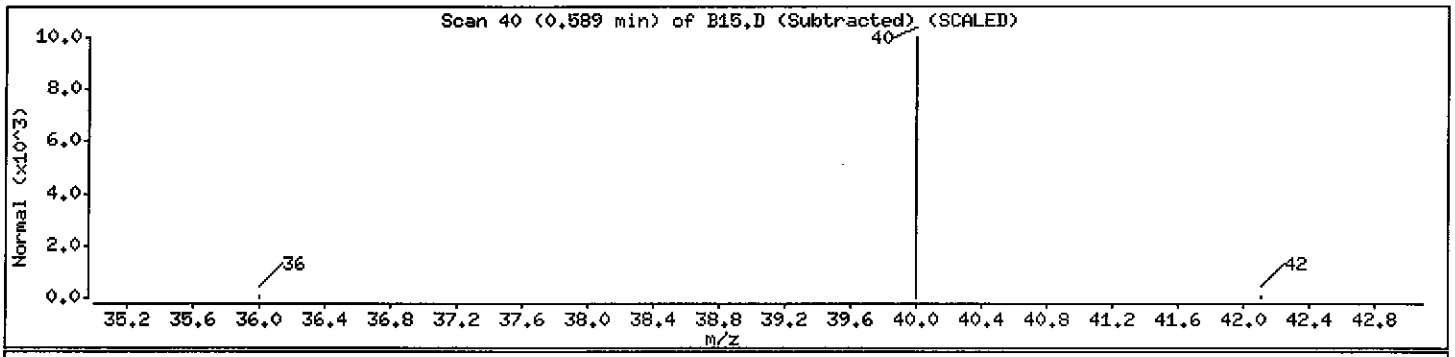
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B16.D
Lab Smp Id: 5025166013 Client Smp ID: 66013
Inj Date : 15-APR-2009 20:35
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166013
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 34
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.800)	68739	55.4514	55.4
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	250253	50.0000	
41 Trichloroethene	95	4.673	4.678	(1.104)	1489	0.96413	0.964
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	251798	46.2942	46.3
54 Tetrachloroethene	166	6.677	6.682	(0.907)	7176	7.01719	7.02
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	177790	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	75282	51.5158	51.5
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	76719	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B16.D
Lab Smp Id: 5025166013
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66013
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	250253	-27.36
59 Chlorobenzene-d5	214804	107402	429608	177790	-17.23
82 1,4-Dichlorobenze	110737	55369	221474	76719	-30.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041509.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166013
Client Smp ID: 66013
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	55.4	110.90	80-123
$ 49 Toluene-d8	50.0	46.3	92.59	80-116
$ 70 4-Bromofluorobenze	50.0	51.5	103.03	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

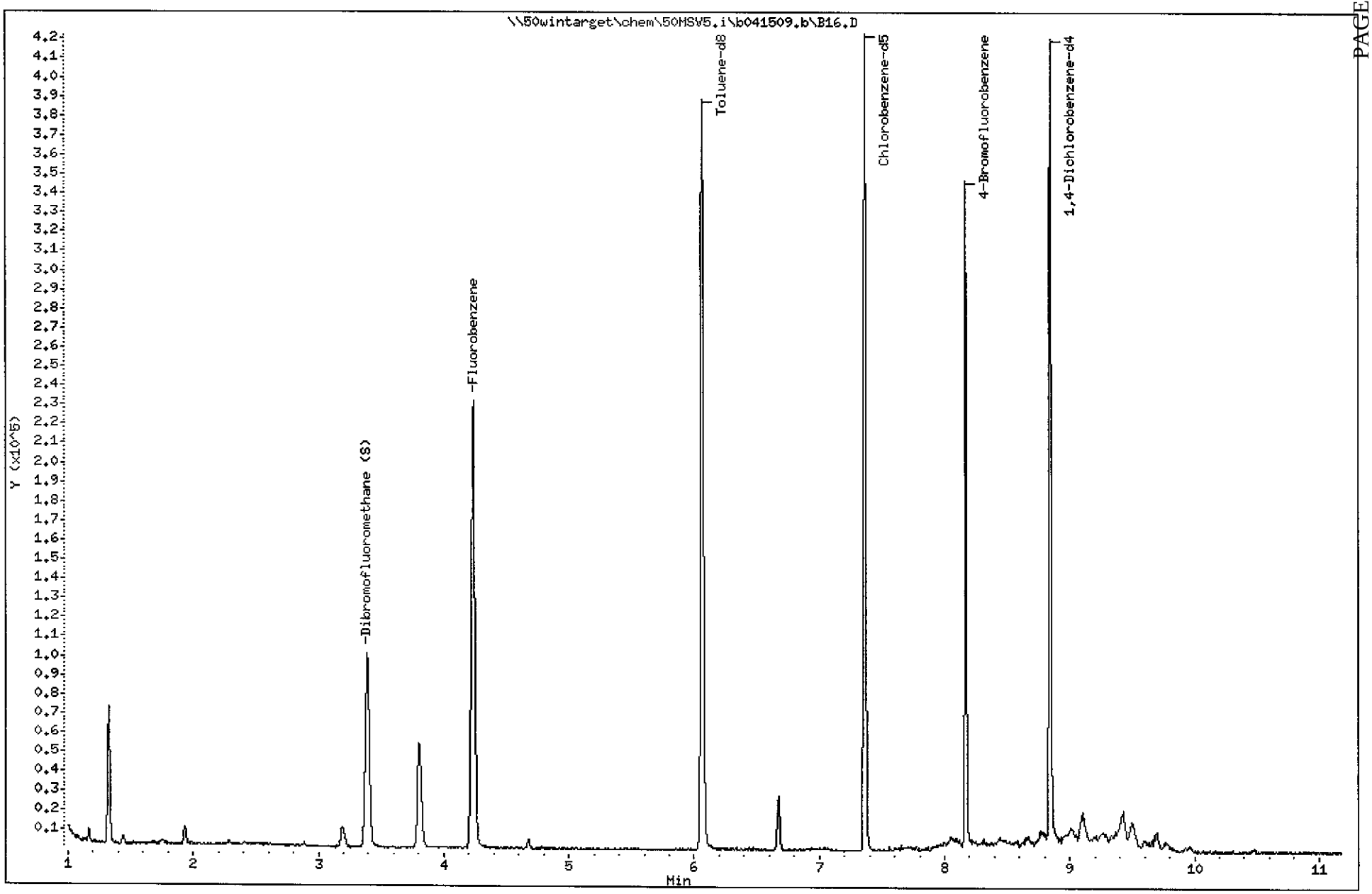
Client Name:
Lab Smp Id: 5025166013
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66013
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	0.964	
127-18-4	Tetrachloroethene	7.02	
1868-53-7	Dibromofluoromethane (S)	55.4	
2037-26-5	Toluene-d8	46.3	
460-00-4	4-Bromofluorobenzene	51.5	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B16.D
Date : 15-APR-2009 20:35
Client ID: 66013
Sample Info: 5025166013
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B16.D

Date : 15-APR-2009 20:35

Client ID: 66013

Instrument: 50MSV5.i

Sample Info: 5025166013

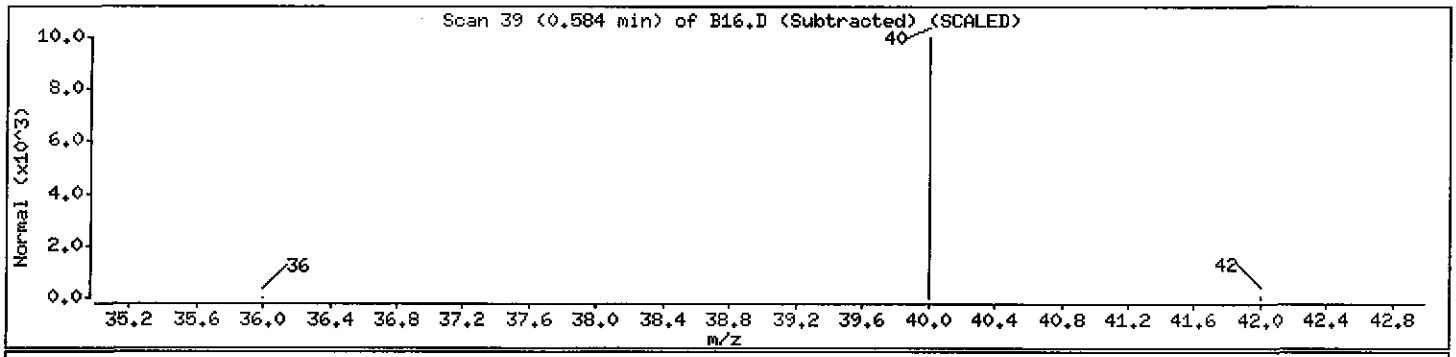
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\b041509.b\B17.D
Lab Smp Id: 5025166014 Client Smp ID: 66014
Inj Date : 15-APR-2009 21:12
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166014
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Meth Date : 16-Apr-2009 11:41 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 15:14 Cal File: B07.D
Als bottle: 36
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.392	(0.801)	66584	56.0658	56.1
* 40 Fluorobenzene	96	4.229	4.239	(1.000)	239751	50.0000	
$ 49 Toluene-d8	98	6.065	6.064	(0.824)	258408	48.8235	48.8
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	173005	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	62440	43.9097	43.9
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	65712	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: B17.D
Lab Smp Id: 5025166014
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 12:02
Client Smp ID: 66014
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	344528	172264	689056	239751	-30.41
59 Chlorobenzene-d5	214804	107402	429608	173005	-19.46
82 1,4-Dichlorobenze	110737	55369	221474	65712	-40.66

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.24
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166014
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\b041509.b\B8260.m
Misc Info:

Client SDG: b041509.b
Fraction: VOA
Client Smp ID: 66014
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	56.1	112.13	80-123
$ 49 Toluene-d8	50.0	48.8	97.65	80-116
$ 70 4-Bromofluorobenze	50.0	43.9	87.82	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

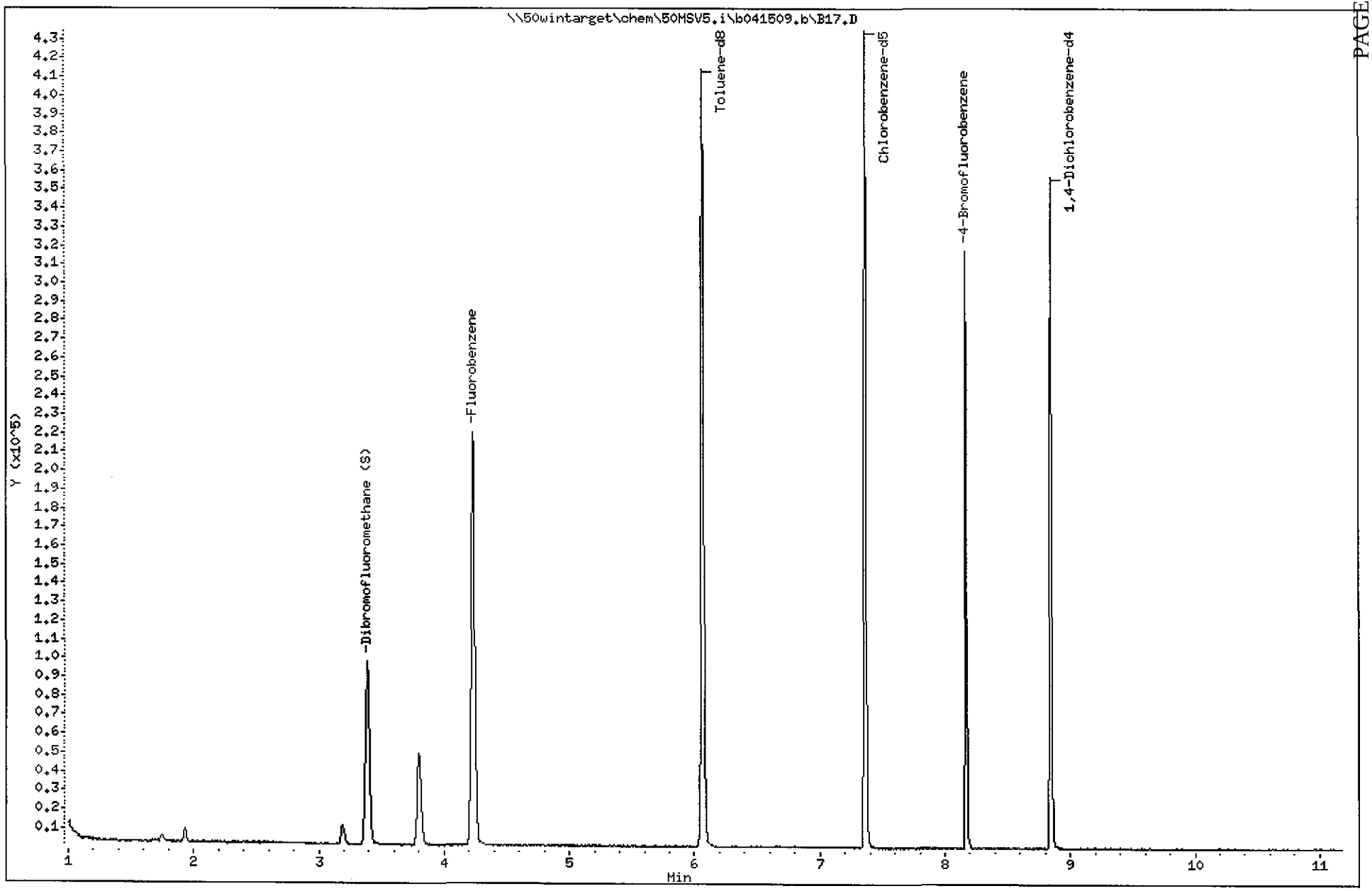
Client Name:
Lab Smp Id: 5025166014
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: b041509.b
Client Smp ID: 66014
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	56.1	
2037-26-5	Toluene-d8	48.8	
460-00-4	4-Bromofluorobenzene	43.9	

Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B17.D
Date : 15-APR-2009 21:12
Client ID: 66014
Sample Info: 5025166014
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\b041509.b\B17.D

Date : 15-APR-2009 21:12

Client ID: 66014

Instrument: 50MSV5.i

Sample Info: 5025166014

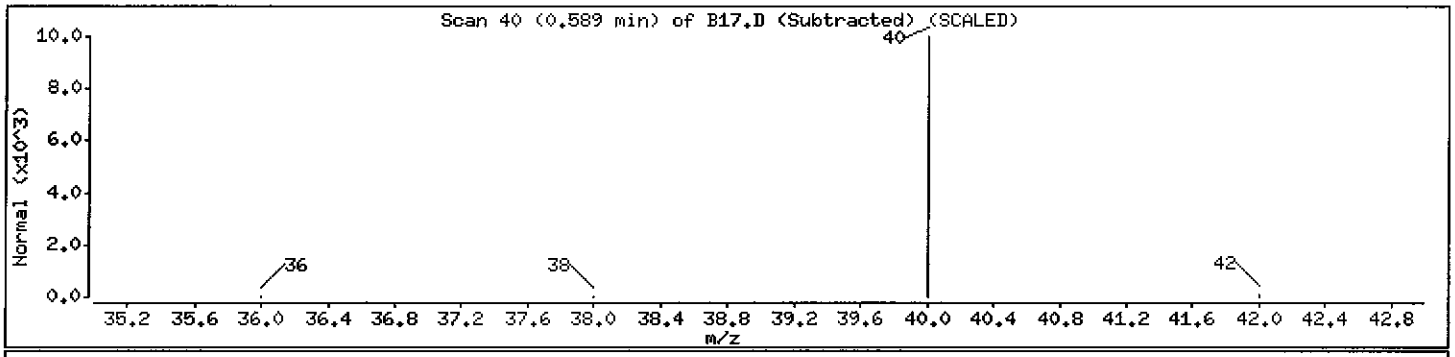
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A09.D
Lab Smp Id: 5025166015 Client Smp ID: 66015
Inj Date : 15-APR-2009 16:01
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166015
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 19
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)
$ 32 Dibromofluoromethane (S)	113	3.397	3.397	(0.801)	96423	51.2197	51.2
140 Cyclohexane	56	3.470	3.481	(0.819)	2583	0.93418	0.934
* 40 Fluorobenzene	96	4.239	4.239	(1.000)	347243	50.0000	
$ 49 Toluene-d8	98	6.064	6.070	(0.824)	334801	49.0948	49.1
* 59 Chlorobenzene-d5	117	7.361	7.362	(1.000)	237067	50.0000	
60 Chlorobenzene	112	7.382	7.383	(1.003)	3067	0.62020	0.620(Q)
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	95797	47.3259	47.3
* 82 1,4-Dichlorobenzene-d4	152	8.847	8.847	(1.000)	113685	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A09.D
Lab Smp Id: 5025166015
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66015
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	347243	-7.08
59 Chlorobenzene-d5	255255	127628	510510	237067	-7.13
82 1,4-Dichlorobenze	136223	68112	272446	113685	-16.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.24	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.85	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166015
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66015
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	51.2	102.44	80-123
$ 49 Toluene-d8	50.0	49.1	98.19	80-116
$ 70 4-Bromofluorobenze	50.0	47.3	94.65	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025166015
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

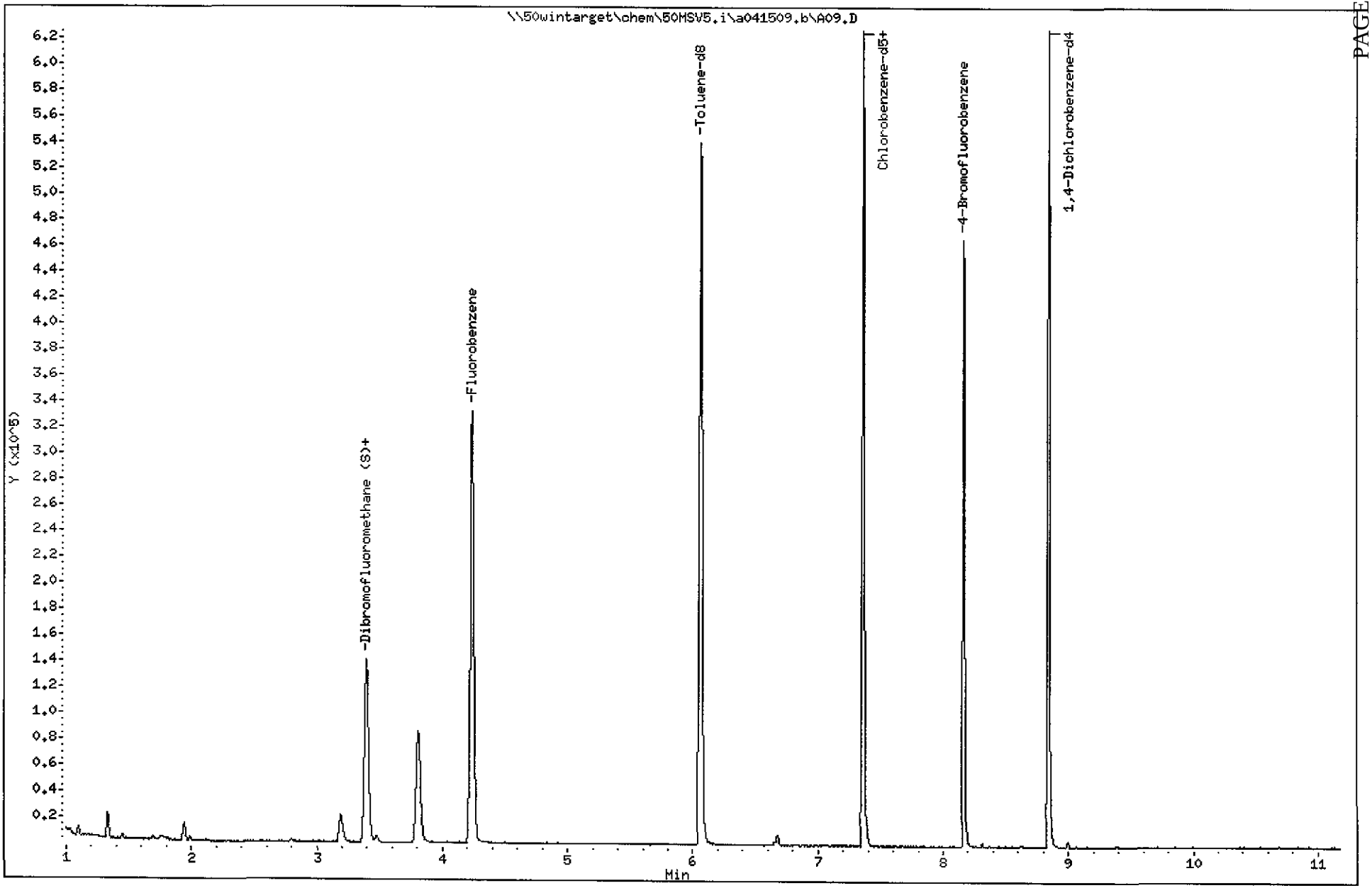
Client SDG: a041509.b
Client Smp ID: 66015
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
110-82-7	Cyclohexane	0.934	
108-90-7	Chlorobenzene	0.620	
1868-53-7	Dibromofluoromethane (S)	51.2	
2037-26-5	Toluene-d8	49.1	
460-00-4	4-Bromofluorobenzene	47.3	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A09.D
Date : 15-APR-2009 16:01
Client ID: 66015
Sample Info: 5025166015
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A09.D

Date : 15-APR-2009 16:01

Client ID: 66015

Instrument: 50MSV5.i

Sample Info: 5025166015

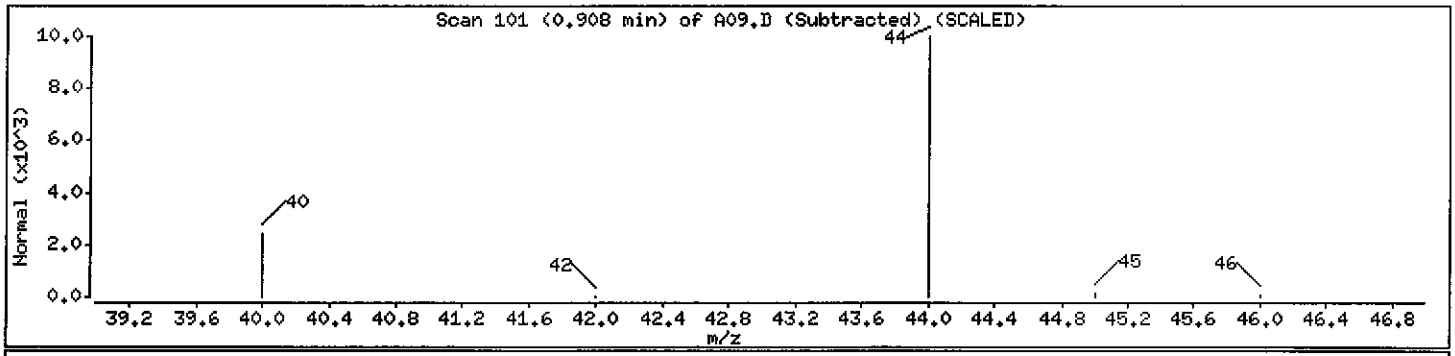
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A04.D
Lab Smp Id: 5025166025 Client Smp ID: 66025
Inj Date : 16-APR-2009 12:44
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166025
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 9
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)
31 Chloroform	83	3.209	3.209	(0.759)	2259	0.84533	0.845
$ 32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	85837	52.7334	52.7
* 40 Fluorobenzene	96	4.228	4.229	(1.000)	300247	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	290283	48.8381	48.8
50 Toluene	91	6.127	6.128	(0.833)	2590	0.39059	0.390
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	206625	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	84211	47.7314	47.7
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	101601	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A04.D
Lab Smp Id: 5025166025
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66025
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	300247	-19.66
59 Chlorobenzene-d5	255255	127628	510510	206625	-19.05
82 1,4-Dichlorobenze	136223	68112	272446	101601	-25.42

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.01
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166025
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66025
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.7	105.47	80-123
$ 49 Toluene-d8	50.0	48.8	97.68	80-116
$ 70 4-Bromofluorobenze	50.0	47.7	95.46	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

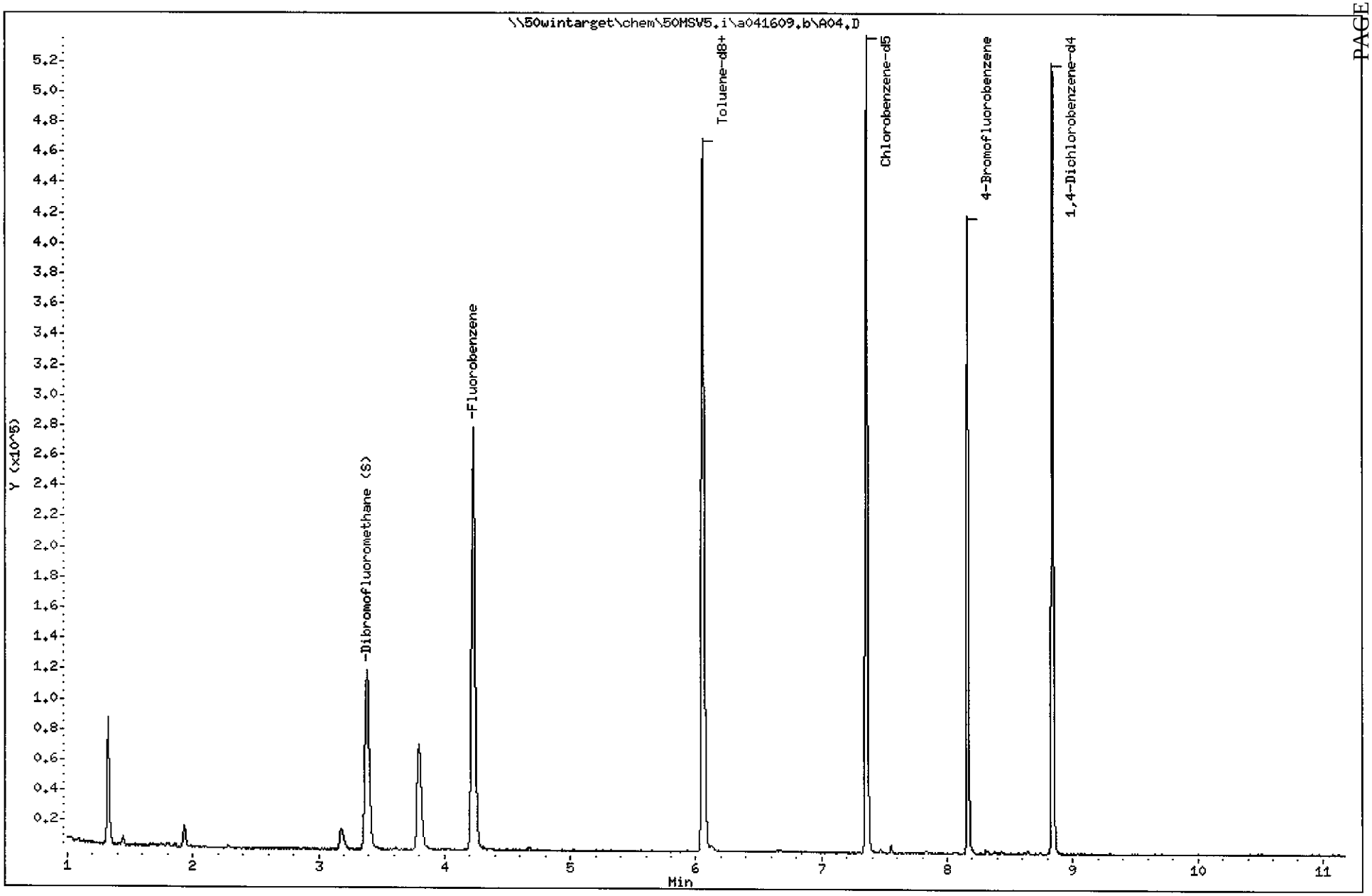
Client Name:
Lab Smp Id: 5025166025
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66025
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
67-66-3	Chloroform	0.845	
108-88-3	Toluene	0.390	
1868-53-7	Dibromofluoromethane (S)	52.7	
2037-26-5	Toluene-d8	48.8	
460-00-4	4-Bromofluorobenzene	47.7	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A04.D
Date : 16-APR-2009 12:44
Client ID: 66025
Sample Info: 5025166025
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A04.D

Date : 16-APR-2009 12:44

Client ID: 66025

Instrument: 50MSV5.i

Sample Info: 5025166025

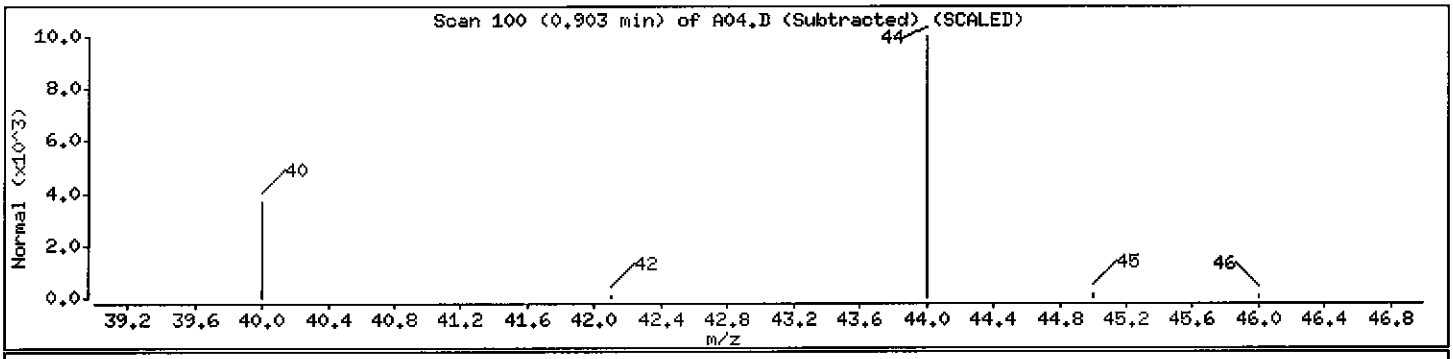
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A17.D
Lab Smp Id: 5025166026 Client Smp ID: 66026
Inj Date : 15-APR-2009 20:54
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166026tb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 35
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.801)	93587	52.5867	52.6
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	328269	50.0000	
$ 49 Toluene-d8	98	6.065	6.070	(0.824)	307821	48.6197	48.6
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	220093	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	92700	49.3278	49.3
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	111013	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A17.D
Lab Smp Id: 5025166026
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66026
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	328269	-12.16
59 Chlorobenzene-d5	255255	127628	510510	220093	-13.78
82 1,4-Dichlorobenze	136223	68112	272446	111013	-18.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166026
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66026
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	52.6	105.17	80-123
$ 49 Toluene-d8	50.0	48.6	97.24	80-116
$ 70 4-Bromofluorobenze	50.0	49.3	98.66	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

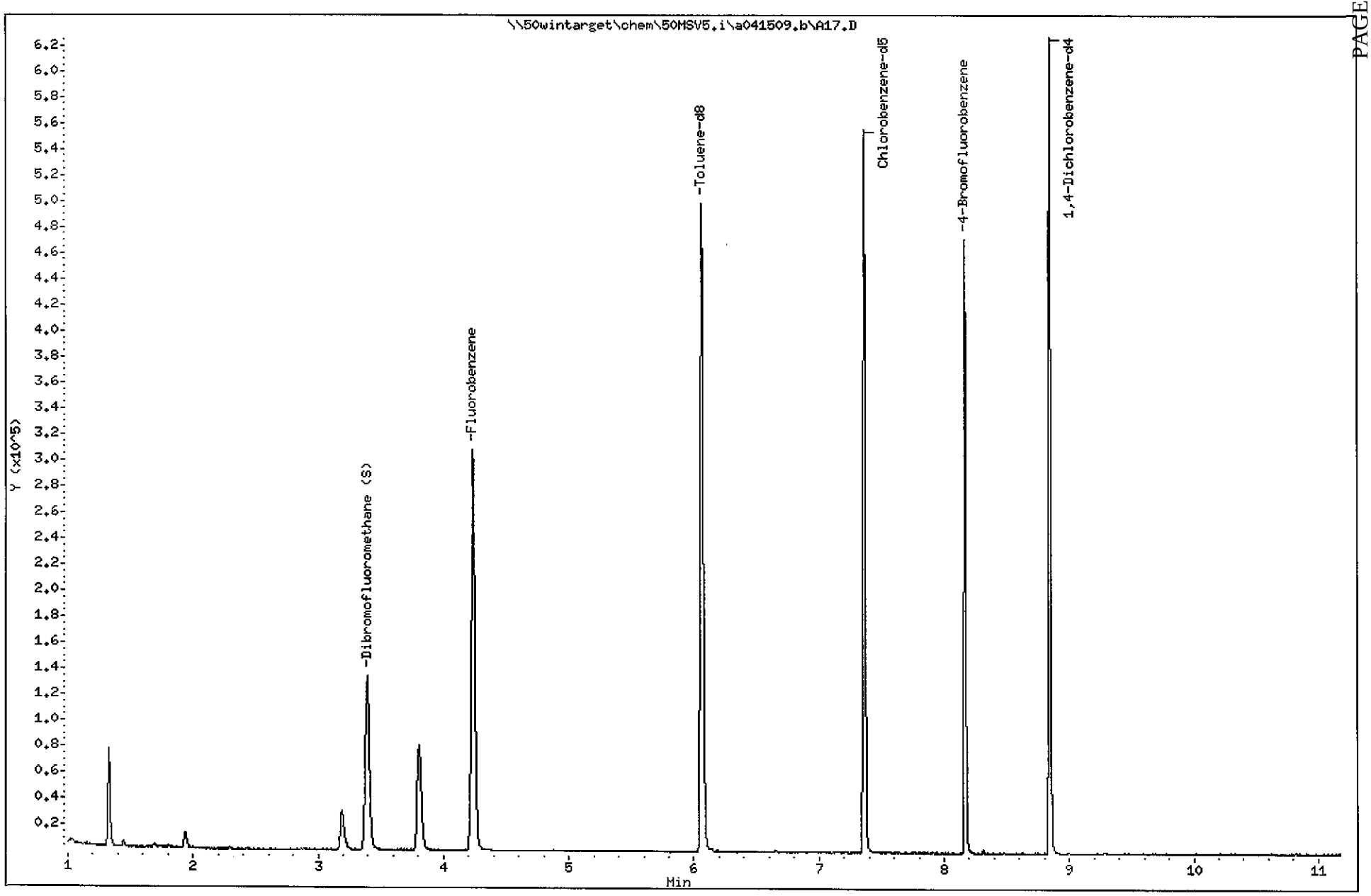
Client Name:
Lab Smp Id: 5025166026
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66026
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	52.6	
2037-26-5	Toluene-d8	48.6	
460-00-4	4-Bromofluorobenzene	49.3	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A17.D
Date : 15-APR-2009 20:54
Client ID: 66026
Sample Info: 5025166026tb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A17.D

Date : 15-APR-2009 20:54

Client ID: 66026

Instrument: 50MSV5.i

Sample Info: 5025166026tb

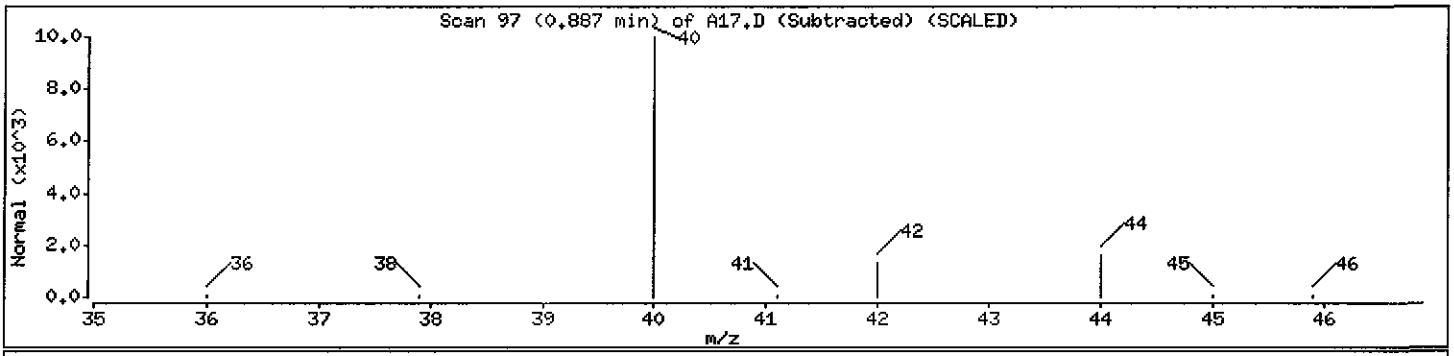
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041509.b\A18.D
Lab Smp Id: 5025166027 Client Smp ID: 66027
Inj Date : 15-APR-2009 21:30
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166027eb
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Meth Date : 16-Apr-2009 11:21 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 37
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)
$ 32 Dibromofluoromethane (S)	113	3.392	3.397	(0.801)	88656	53.4294	53.4
* 40 Fluorobenzene	96	4.234	4.239	(1.000)	306068	50.0000	
$ 49 Toluene-d8	98	6.065	6.070	(0.824)	292259	49.0247	49.0
* 59 Chlorobenzene-d5	117	7.362	7.362	(1.000)	207240	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.167	(1.109)	85004	48.0379	48.0
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.847	(1.000)	101815	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A18.D
Lab Smp Id: 5025166027
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 11:07
Client Smp ID: 66027
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	306068	-18.10
59 Chlorobenzene-d5	255255	127628	510510	207240	-18.81
82 1,4-Dichlorobenze	136223	68112	272446	101815	-25.26

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.24	3.74	4.74	4.23	-0.12
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	0.00
82 1,4-Dichlorobenze	8.85	8.35	9.35	8.84	-0.06

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166027
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041509.b\A8260.m
Misc Info:

Client SDG: a041509.b
Fraction: VOA
Client Smp ID: 66027
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.4	106.86	80-123
$ 49 Toluene-d8	50.0	49.0	98.05	80-116
$ 70 4-Bromofluorobenze	50.0	48.0	96.08	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

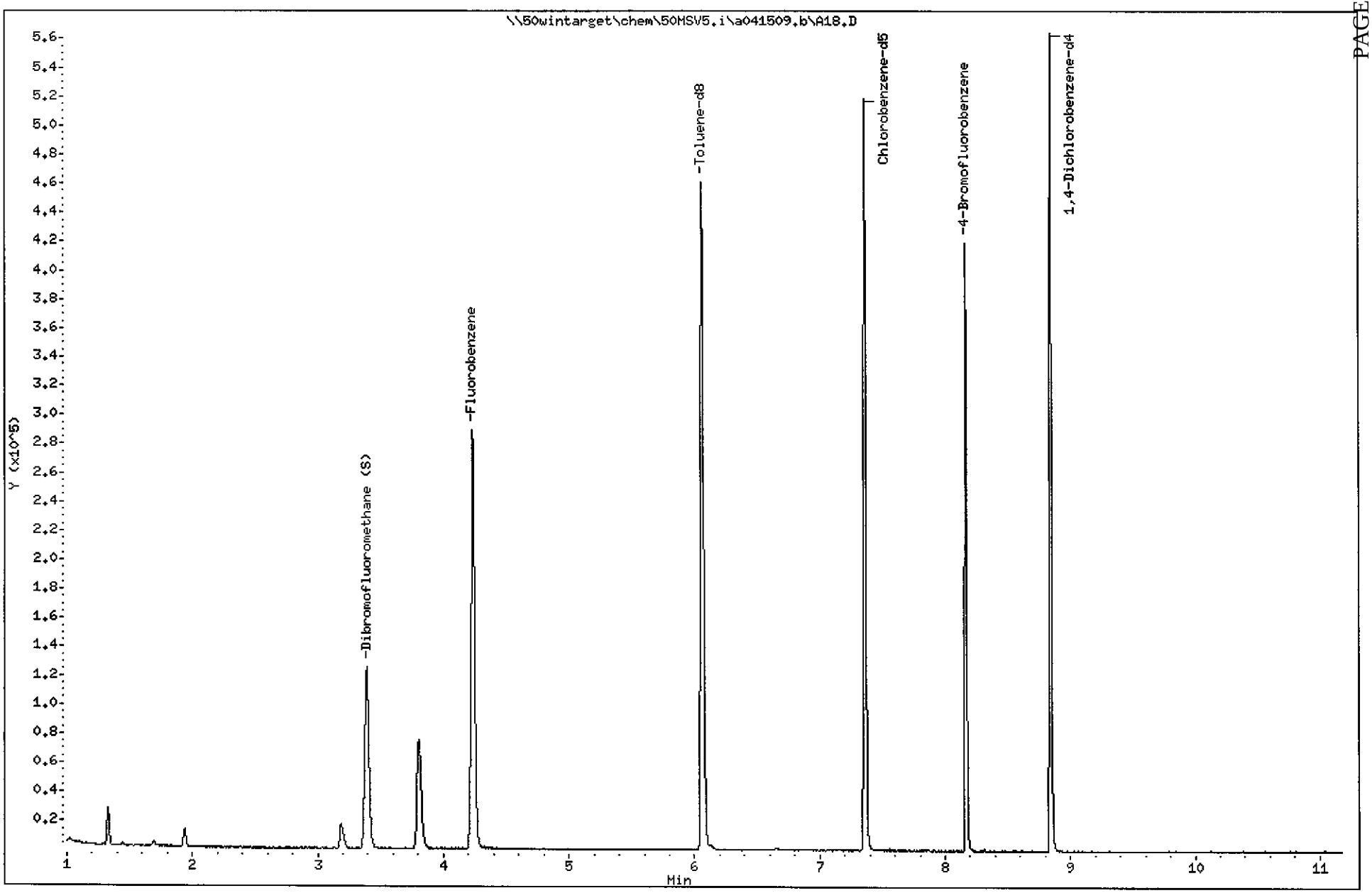
Client Name:
Lab Smp Id: 5025166027
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041509.b
Client Smp ID: 66027
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.4	
2037-26-5	Toluene-d8	49.0	
460-00-4	4-Bromofluorobenzene	48.0	

Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A18.D
Date : 15-APR-2009 21:30
Client ID: 66027
Sample Info: 5025166027eb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041509.b\A18.D

Date : 15-APR-2009 21:30

Client ID: 66027

Instrument: 50MSV5.i

Sample Info: 5025166027eb

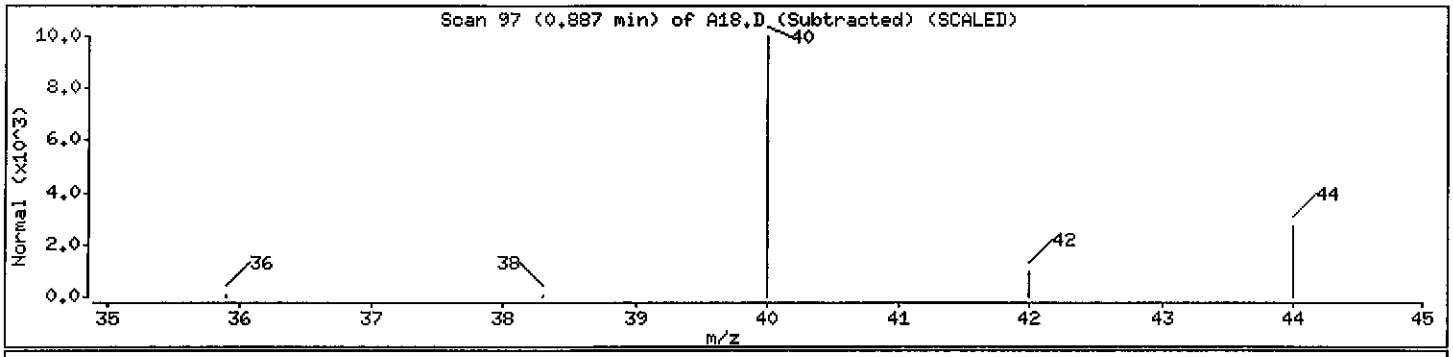
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A07.D
Lab Smp Id: 5025166028 Client Smp ID: 66028
Inj Date : 16-APR-2009 14:32
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166028
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 15
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)
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	2880	0.92733	0.927
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	26848	17.4842	17.5
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	15986	6.09539	6.10
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	291469	184.213	184
$ 32 Dibromofluoromethane (S)	113	3.382	3.387	(0.800)	85105	53.7434	53.7
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	292092	50.0000	
$ 49 Toluene-d8	98	6.060	6.060	(0.824)	287922	49.0825	49.1
50 Toluene	91	6.133	6.128	(0.834)	3910	0.59747	0.597
54 Tetrachloroethene	166	6.671	6.671	(0.907)	5262	2.50858	2.51
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	203924	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	83710	48.0758	48.1
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	99013	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A07.D
Lab Smp Id: 5025166028
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66028
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	292092	-21.84
59 Chlorobenzene-d5	255255	127628	510510	203924	-20.11
82 1,4-Dichlorobenze	136223	68112	272446	99013	-27.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166028
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66028
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.7	107.49	80-123
$ 49 Toluene-d8	50.0	49.1	98.17	80-116
$ 70 4-Bromofluorobenze	50.0	48.1	96.15	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025166028
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

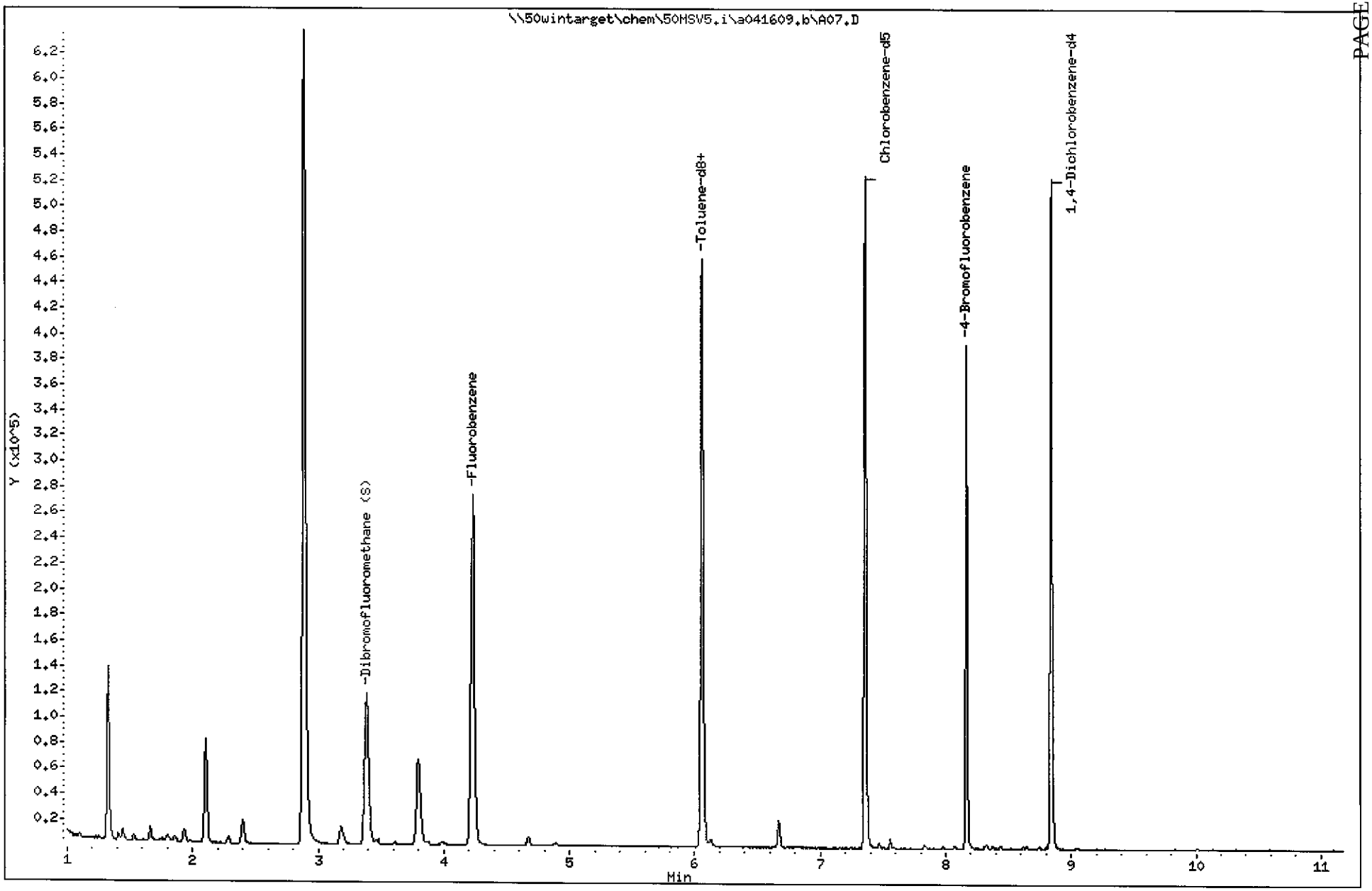
Client SDG: a041609.b
Client Smp ID: 66028
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-69-4	Trichlorofluoromethane	0.927	
156-60-5	1,2-Dichloroethene (trans)	17.5	
75-34-3	1,1-Dichloroethane	6.10	
156-59-2	1,2-Dichloroethene (cis)	184	
108-88-3	Toluene	0.597	
127-18-4	Tetrachloroethene	2.51	
1868-53-7	Dibromofluoromethane (S)	53.7	
2037-26-5	Toluene-d8	49.1	
460-00-4	4-Bromofluorobenzene	48.1	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A07.D
Date : 16-APR-2009 14:32
Client ID: 66028
Sample Info: 5025166028
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



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Date : 16-APR-2009 14:32

Client ID: 66028

Instrument: 50MSV5.i

Sample Info: 5025166028

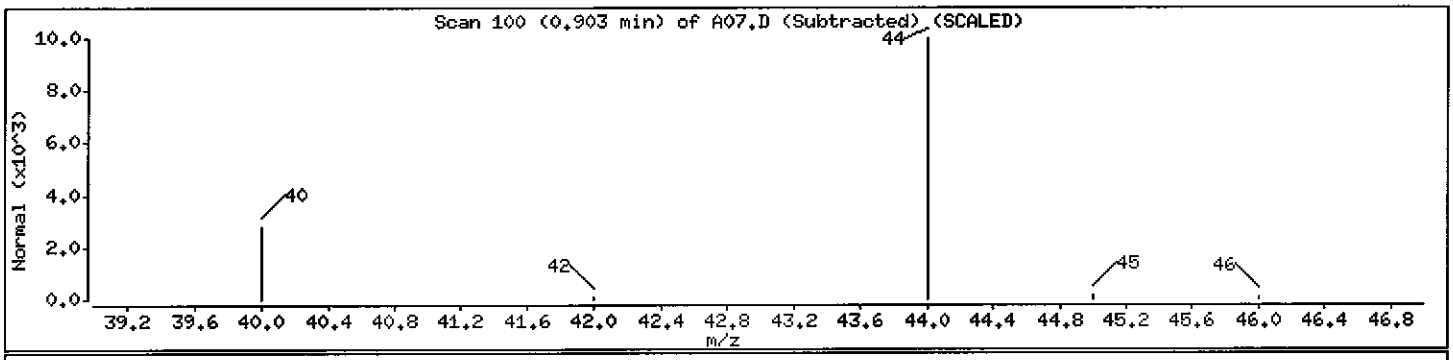
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A08.D
Lab Smp Id: 5025166029 Client Smp ID: 66029
Inj Date : 16-APR-2009 15:08
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166029
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 17
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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	1279	0.79601	0.796(M)
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	1623	0.50213	0.502
16 Acrylonitrile	53	2.079	2.085	(0.492)	1665	5.92475	5.92
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	26070	16.3130	16.3
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	16480	6.03779	6.04
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	303388	184.241	184
$ 32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	87415	53.0414	53.0
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	303991	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	294650	49.2921	49.3
50 Toluene	91	6.132	6.128	(0.834)	3422	0.51314	0.513
54 Tetrachloroethene	166	6.676	6.671	(0.908)	5353	2.50434	2.50
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	207802	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	84918	47.8595	47.8
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	99345	50.0000	

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A08.D
Lab Smp Id: 5025166029
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66029
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	303991	-18.65
59 Chlorobenzene-d5	255255	127628	510510	207802	-18.59
82 1,4-Dichlorobenze	136223	68112	272446	99345	-27.07

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166029
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66029
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.0	106.08	80-123
$ 49 Toluene-d8	50.0	49.3	98.58	80-116
$ 70 4-Bromofluorobenze	50.0	47.8	95.72	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

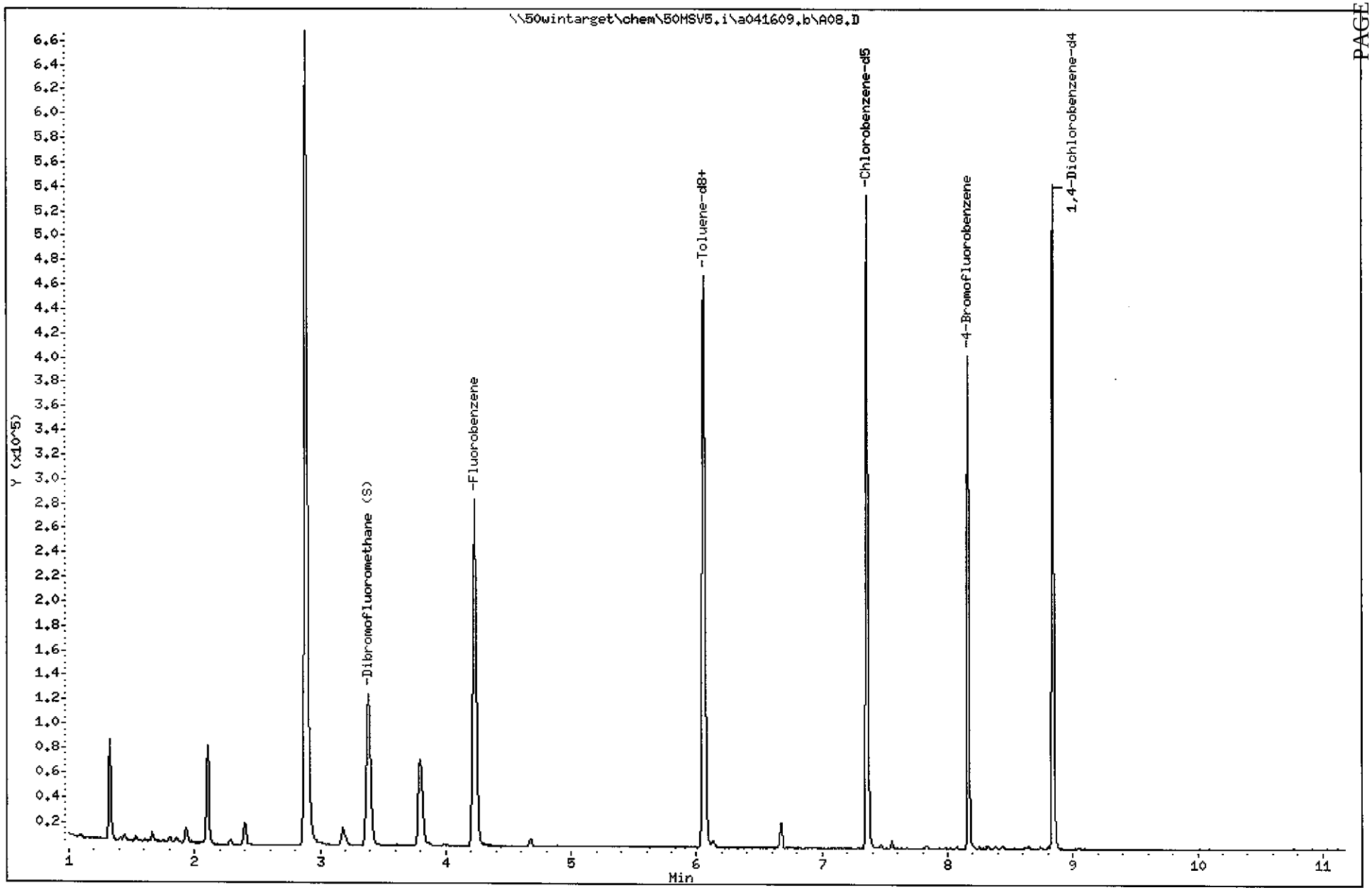
Client Name:
Lab Smp Id: 5025166029
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66029
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	0.796	
75-69-4	Trichlorofluoromethane	0.502	
107-13-1	Acrylonitrile	5.92	
156-60-5	1,2-Dichloroethene (trans)	16.3	
75-34-3	1,1-Dichloroethane	6.04	
156-59-2	1,2-Dichloroethene (cis)	184	
108-88-3	Toluene	0.513	
127-18-4	Tetrachloroethene	2.50	
1868-53-7	Dibromofluoromethane (S)	53.0	
2037-26-5	Toluene-d8	49.3	
460-00-4	4-Bromofluorobenzene	47.8	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A08.D
Date : 16-APR-2009 15:08
Client ID: 66029
Sample Info: 5025166029
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A08.D

Date : 16-APR-2009 15:08

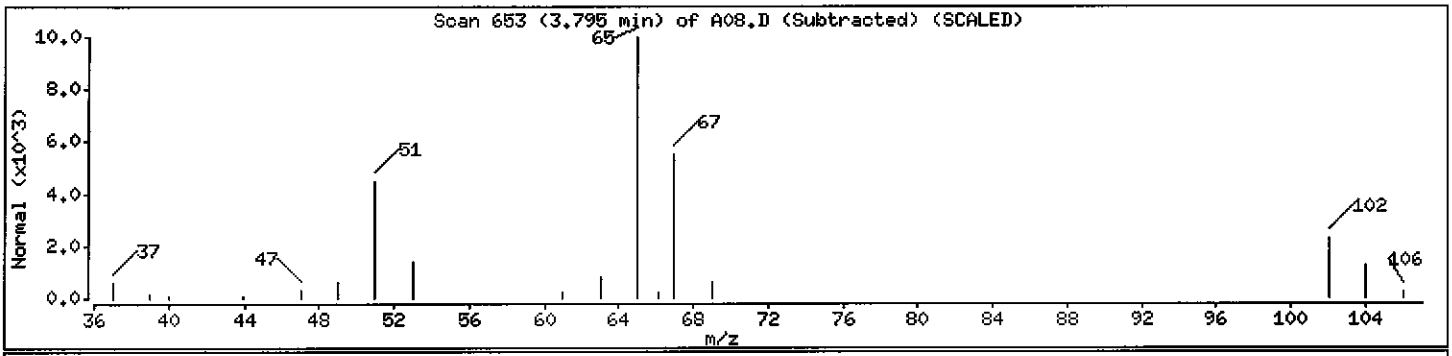
Client ID: 66029 Instrument: **50MSV5.i**

Sample Info: 5025166029

Purge Volume: 5.0 Operator: ala

Column phase: **DB-624** Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A09.D
Lab Smp Id: 5025166030 Client Smp ID: 66030
Inj Date : 16-APR-2009 15:44
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166030
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 19
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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	21982	13.5223	13.5
9 1,1-Dichloroethene	96	1.666	1.666	(0.394)	12041	8.13694	8.14
10 1,1,2trichlorotrifluoroethane	101	1.661	1.656	(0.393)	25721	10.6714	10.7
16 Acrylonitrile	53	2.084	2.085	(0.493)	1629	5.72947	5.73
18 1,2-Dichloroethene (trans)	96	2.105	2.100	(0.498)	44956	27.8046	27.8
21 1,1-Dichloroethane	63	2.398	2.398	(0.567)	55469	20.0867	20.1
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	1191057	714.920	715
28 1,2-dichlorotrifluoroethane	67	1.535	1.535	(0.363)	1554	0.80795	0.808 (M)
$ 32 Dibromofluoromethane (S)	113	3.382	3.387	(0.800)	88974	53.3618	53.4
33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	12239	11.0087	11.0
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	307555	50.0000	
41 Trichloroethene	95	4.673	4.674	(1.105)	93484	57.6819	57.7
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	293289	48.4038	48.4
50 Toluene	91	6.133	6.128	(0.834)	2388	0.35327	0.353
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	210638	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	84284	46.8626	46.9
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	98670	50.0000	

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A09.D
Lab Smp Id: 5025166030
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66030
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	307555	-17.70
59 Chlorobenzene-d5	255255	127628	510510	210638	-17.48
82 1,4-Dichlorobenze	136223	68112	272446	98670	-27.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166030
Client Smp ID: 66030
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.4	106.72	80-123
$ 49 Toluene-d8	50.0	48.4	96.81	80-116
$ 70 4-Bromofluorobenze	50.0	46.9	93.73	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

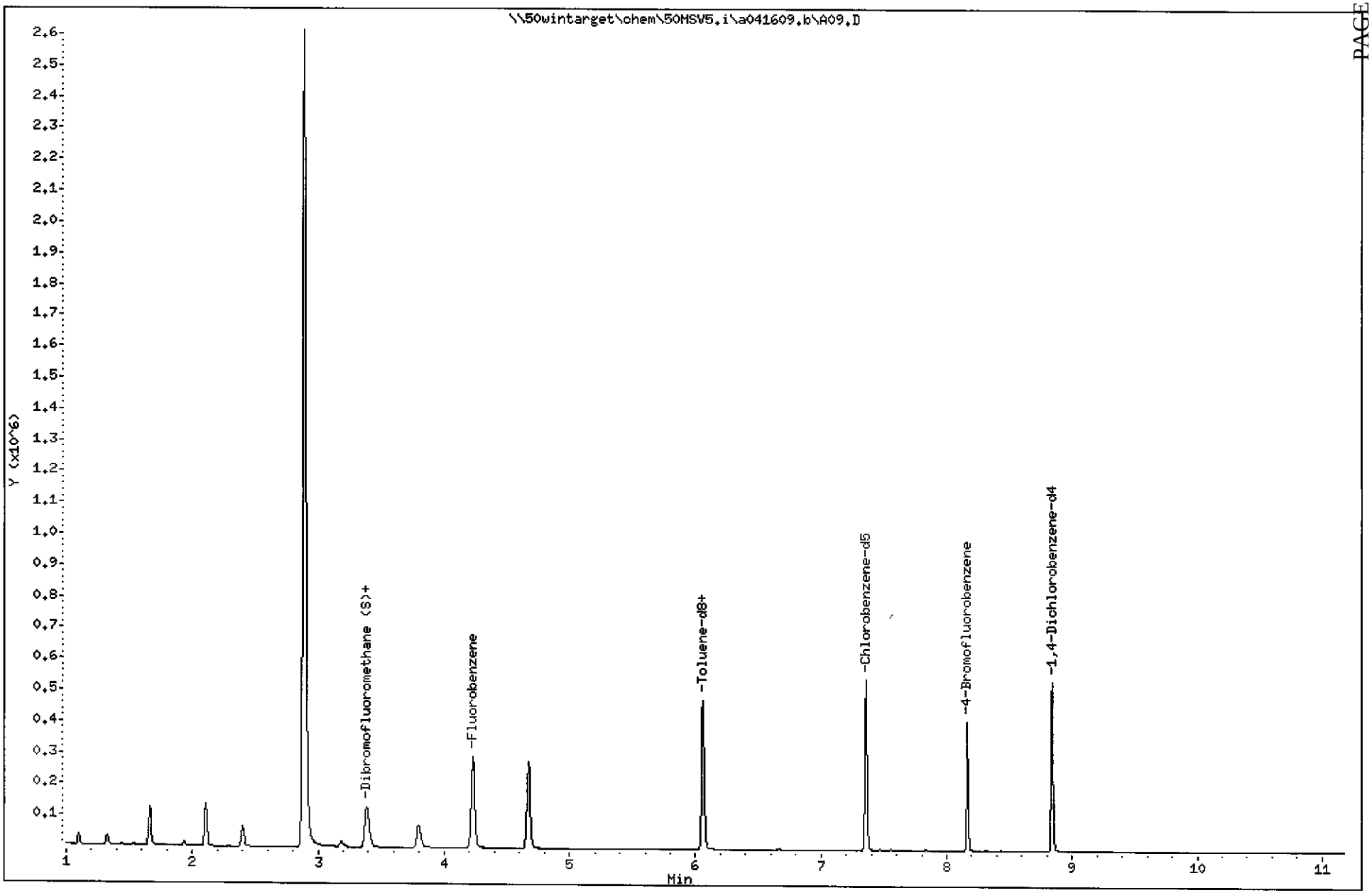
Client Name:
Lab Smp Id: 5025166030
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66030
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	13.5	
75-35-4	1,1-Dichloroethene	8.14	
76-13-1	1,1,2trichlorotrifluoroethan	10.7	
107-13-1	Acrylonitrile	5.73	
156-60-5	1,2-Dichloroethene (trans)	27.8	
75-34-3	1,1-Dichloroethane	20.1	
156-59-2	1,2-Dichloroethene (cis)	715	
354-23-4	1,2-dichlorotrifluoroethane	0.808	
71-55-6	1,1,1-Trichloroethane	11.0	
79-01-6	Trichloroethene	57.7	
108-88-3	Toluene	0.353	
1868-53-7	Dibromofluoromethane (S)	53.4	
2037-26-5	Toluene-d8	48.4	
460-00-4	4-Bromofluorobenzene	46.9	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A09.D
Date : 16-APR-2009 15:44
Client ID: 66030
Sample Info: 5025166030
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A09.D

Date : 16-APR-2009 15:44

Client ID: 66030

Instrument: 50MSV5.i

Sample Info: 5025166030

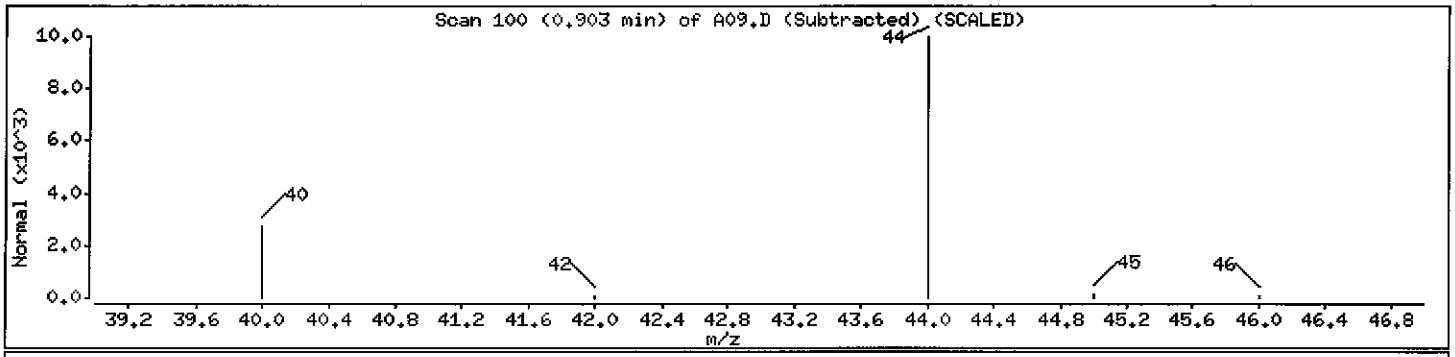
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A18.D
Lab Smp Id: 5025166030 Client Smp ID: 66030
Inj Date : 16-APR-2009 21:07
Operator : ala Inst ID: 50MSV5.i
Smp Info : r5025166030,10
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 37
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	10.000	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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	1995	1.37911	13.8(M)
18 1,2-Dichloroethene (trans)	96	2.100	2.100	(0.497)	3547	2.46527	24.6
25 1,2-Dichloroethene (cis)	96	2.890	2.885	(0.683)	96358	64.9959	650
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	79053	53.2794	53.3
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	273684	50.0000	
41 Trichloroethene	95	4.673	4.674	(1.105)	7557	2.28338	22.8
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	263604	48.2978	48.3
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	189734	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	73730	45.5111	45.5
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	89228	50.0000	

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A18.D
Lab Smp Id: 5025166030
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66030
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	273684	-26.76
59 Chlorobenzene-d5	255255	127628	510510	189734	-25.67
82 1,4-Dichlorobenze	136223	68112	272446	89228	-34.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166030
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66030
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.3	106.56	80-123
$ 49 Toluene-d8	50.0	48.3	96.60	80-116
$ 70 4-Bromofluorobenze	50.0	45.5	91.02	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

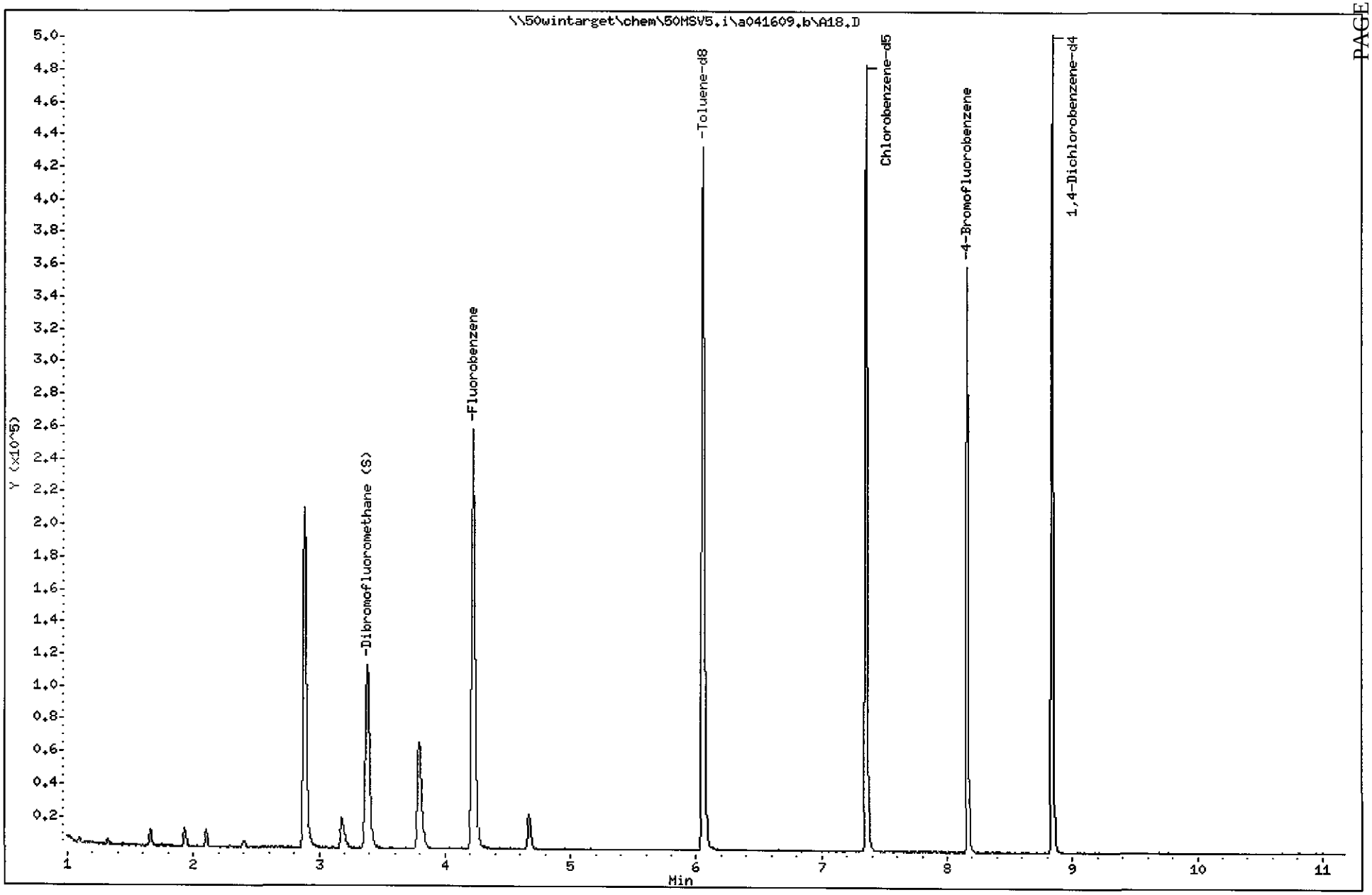
Client Name:
Lab Smp Id: 5025166030
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66030
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	13.8	
156-60-5	1,2-Dichloroethene (trans)	24.6	
156-59-2	1,2-Dichloroethene (cis)	650	
79-01-6	Trichloroethene	22.8	
1868-53-7	Dibromofluoromethane (S)	53.3	
2037-26-5	Toluene-d8	48.3	
460-00-4	4-Bromofluorobenzene	45.5	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A18.D
Date : 16-APR-2009 21:07
Client ID: 66030
Sample Info: r5025166030,10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A18.D

Date : 16-APR-2009 21:07

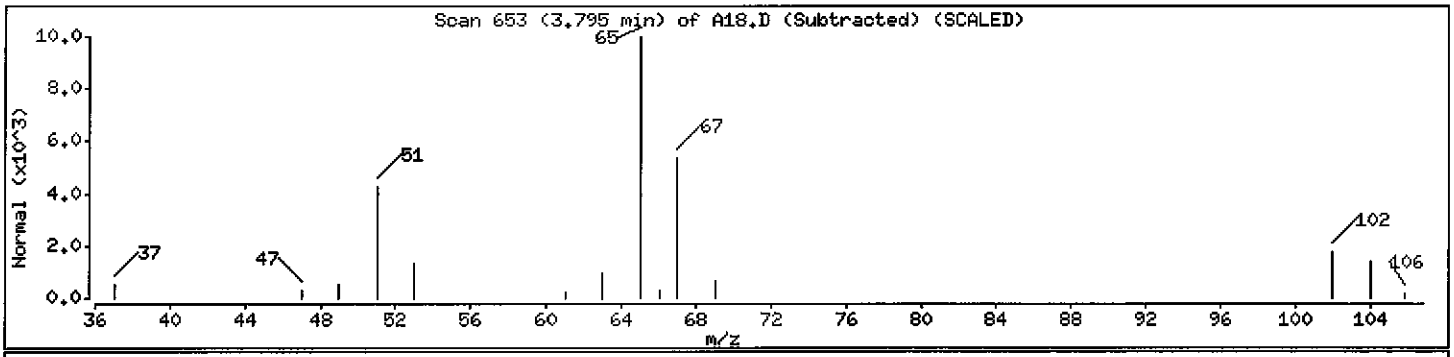
Client ID: 66030 Instrument: 50MSV5.i

Sample Info: r5025166030,10

Purge Volume: 5.0 Operator: ala

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A10.D
Lab Smp Id: 5025166031 Client Smp ID: 66031
Inj Date : 16-APR-2009 16:19
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166031
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 21
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)
25 1,2-Dichloroethene (cis)	96	2.895	2.885	(0.685)	7989	5.27199	5.27
31 Chloroform	83	3.204	3.209	(0.758)	3498	1.40490	1.40
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	82450	54.3645	54.4
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	279747	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	274177	49.3110	49.3
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	193289	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	76931	46.6135	46.6
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	91854	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A10.D
Lab Smp Id: 5025166031
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66031
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	279747	-25.14
59 Chlorobenzene-d5	255255	127628	510510	193289	-24.28
82 1,4-Dichlorobenze	136223	68112	272446	91854	-32.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166031
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66031
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.4	108.73	80-123
$ 49 Toluene-d8	50.0	49.3	98.62	80-116
$ 70 4-Bromofluorobenze	50.0	46.6	93.23	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

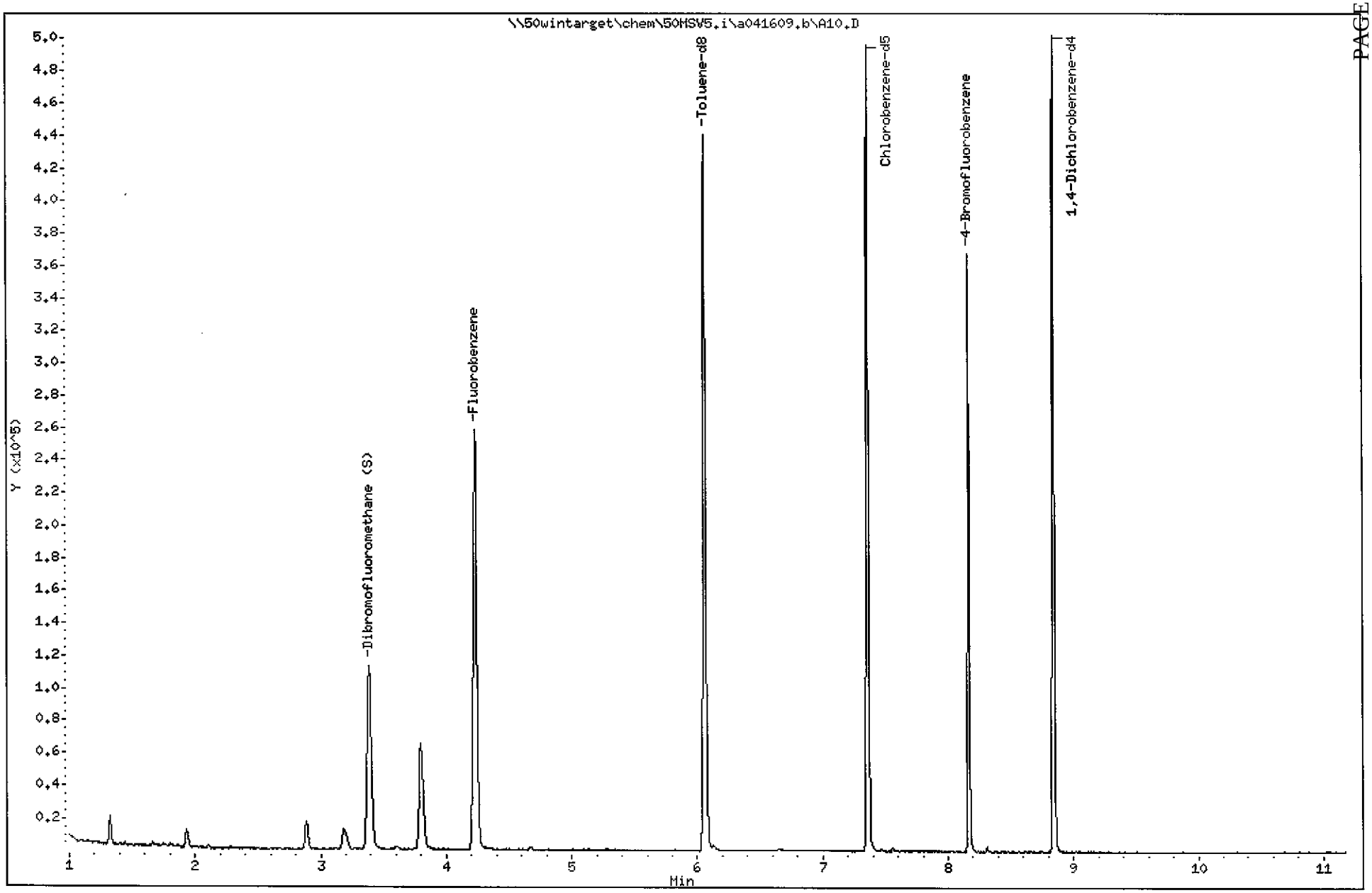
Client Name:
Lab Smp Id: 5025166031
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66031
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	5.27	
67-66-3	Chloroform	1.40	
1868-53-7	Dibromofluoromethane (S)	54.4	
2037-26-5	Toluene-d8	49.3	
460-00-4	4-Bromofluorobenzene	46.6	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A10.D
Date : 16-APR-2009 16:19
Client ID: 66031
Sample Info: 5025166031
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A10.D

Date : 16-APR-2009 16:19

Client ID: 66031

Instrument: 50MSV5.i

Sample Info: 5025166031

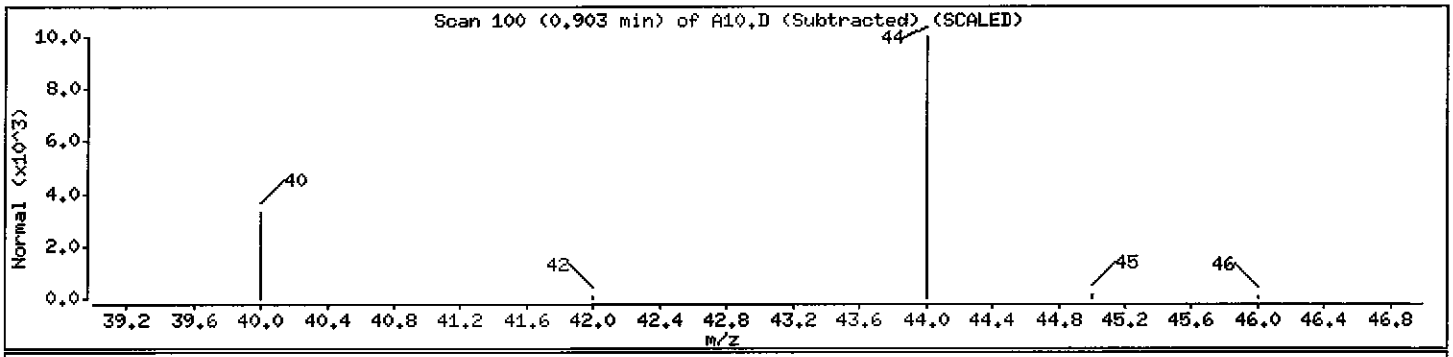
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A11.D
Lab Smp Id: 5025166032 Client Smp ID: 66032
Inj Date : 16-APR-2009 16:55
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166032
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 23
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)
25 1,2-Dichloroethene (cis)	96	2.895	2.885	(0.685)	2463	1.71480	1.71
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	77850	54.1565	54.2
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	265154	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	262430	48.9183	48.9
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	186493	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	75001	47.1002	47.1
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	91826	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A11.D
Lab Smp Id: 5025166032
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66032
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	265154	-29.05
59 Chlorobenzene-d5	255255	127628	510510	186493	-26.94
82 1,4-Dichlorobenze	136223	68112	272446	91826	-32.59

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166032
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66032
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.2	108.31	80-123
$ 49 Toluene-d8	50.0	48.9	97.84	80-116
$ 70 4-Bromofluorobenze	50.0	47.1	94.20	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

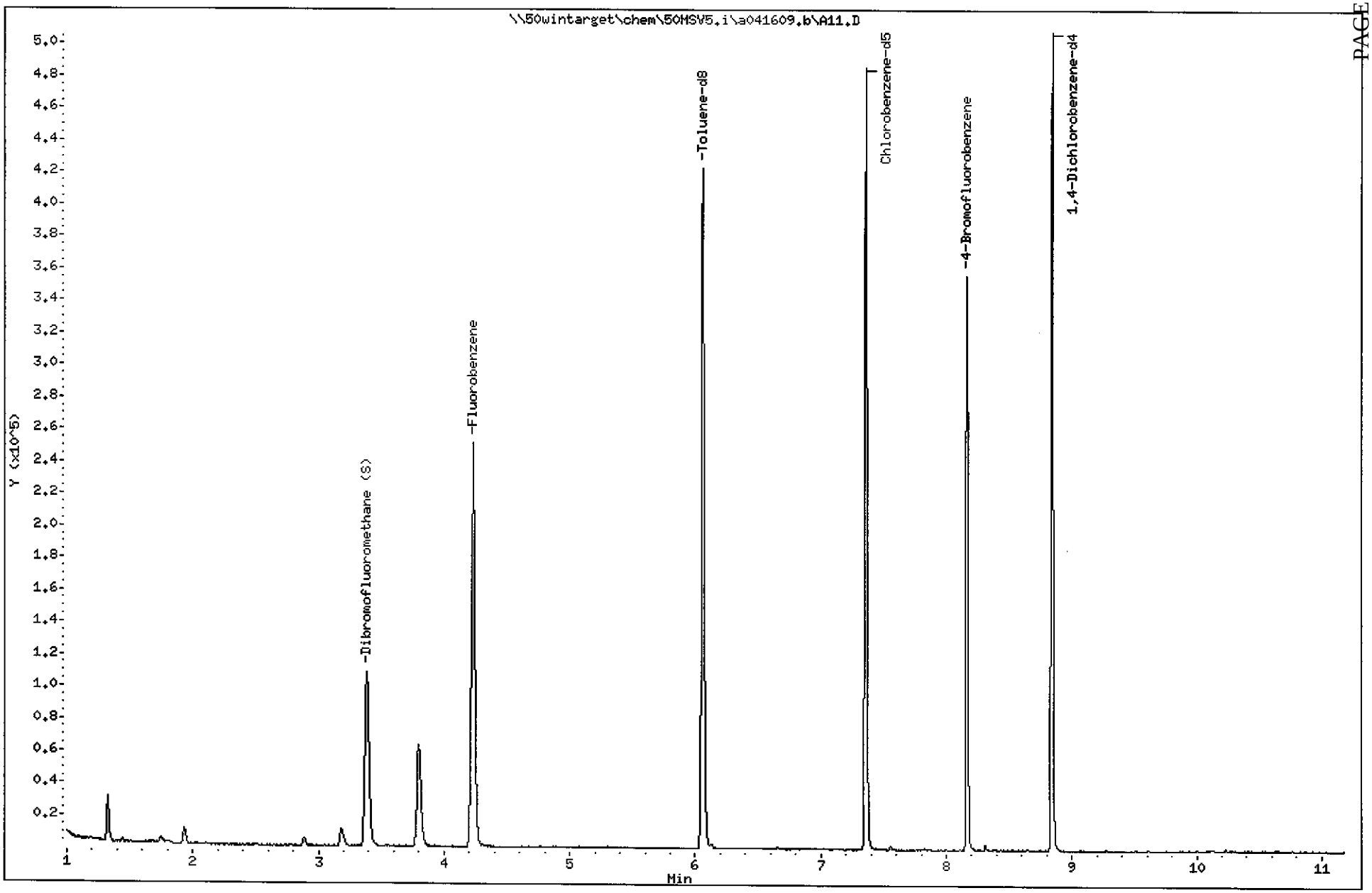
Client Name:
Lab Smp Id: 5025166032
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66032
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	1.71	
1868-53-7	Dibromofluoromethane (S)	54.2	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	47.1	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A11.D
Date : 16-APR-2009 16:55
Client ID: 66032
Sample Info: 5025166032
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A11.D

Date : 16-APR-2009 16:55

Client ID: 66032

Instrument: 50MSV5.i

Sample Info: 5025166032

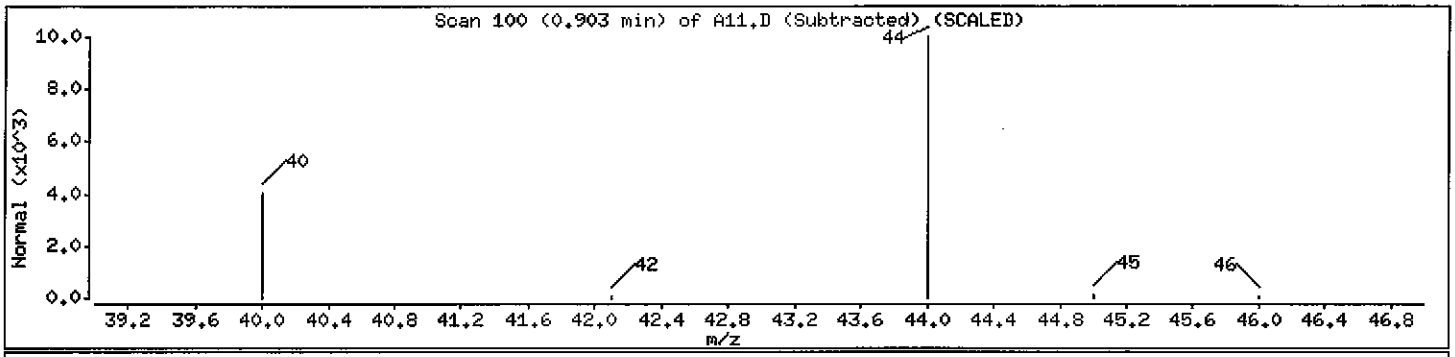
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A12.D
Lab Smp Id: 5025166033 Client Smp ID: 66033
Inj Date : 16-APR-2009 17:31
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166033
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 25
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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	1429	0.98742	0.987(M)
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	11559	7.79345	7.79
$ 32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	80318	54.1084	54.1
33 1,1,1-Trichloroethane	97	3.408	3.413	(0.806)	3660	7.23615	7.24
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	273803	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	274539	48.5953	48.6
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	196395	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	79489	47.4018	47.4
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	97745	50.0000	

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A12.D
Lab Smp Id: 5025166033
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66033
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	273803	-26.73
59 Chlorobenzene-d5	255255	127628	510510	196395	-23.06
82 1,4-Dichlorobenze	136223	68112	272446	97745	-28.25

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166033
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66033
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.1	108.22	80-123
$ 49 Toluene-d8	50.0	48.6	97.19	80-116
$ 70 4-Bromofluorobenze	50.0	47.4	94.80	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

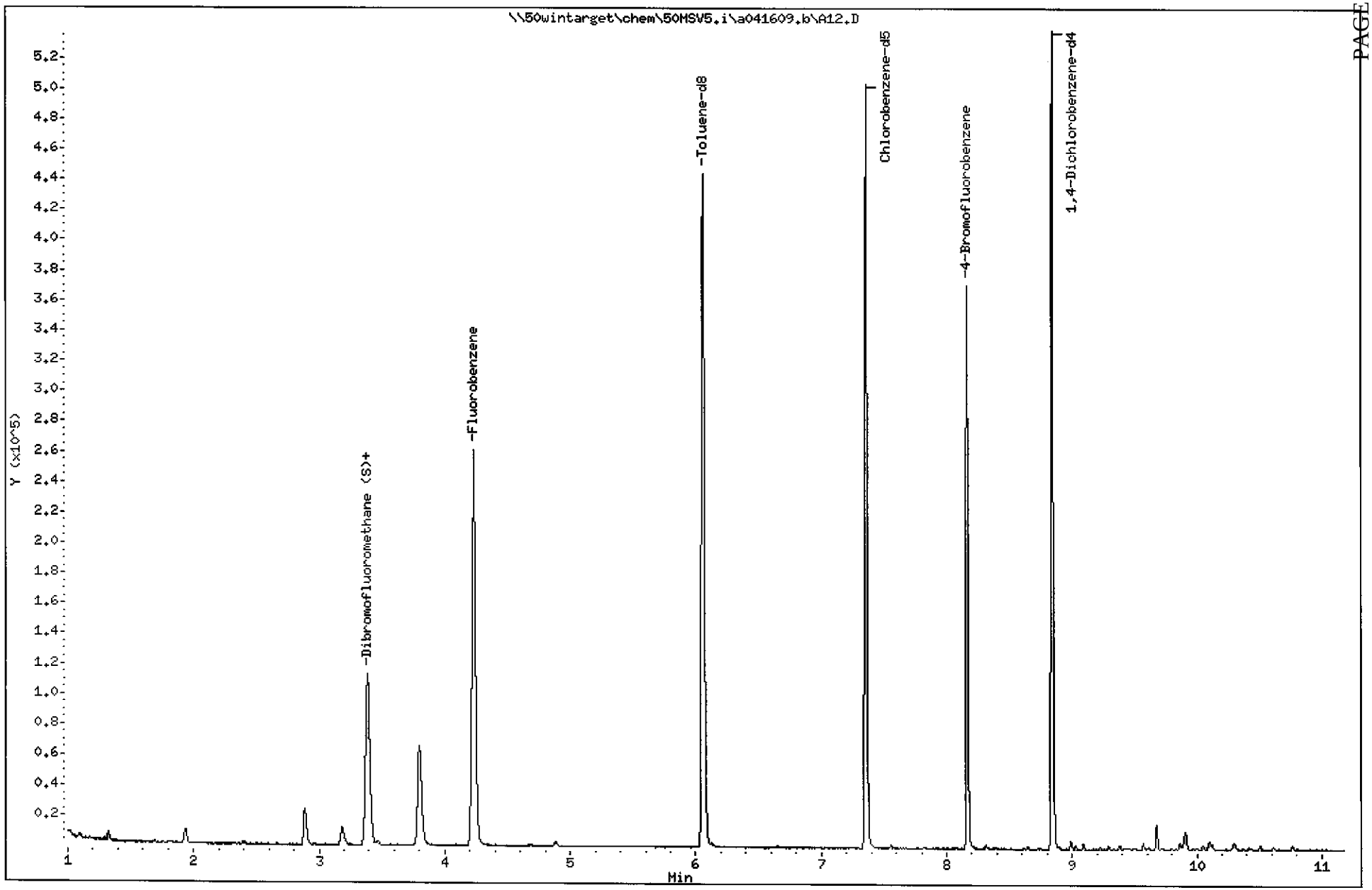
Client Name:
Lab Smp Id: 5025166033
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66033
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	0.987	
156-59-2	1,2-Dichloroethene (cis)	7.79	
71-55-6	1,1,1-Trichloroethane	7.24	
1868-53-7	Dibromofluoromethane (S)	54.1	
2037-26-5	Toluene-d8	48.6	
460-00-4	4-Bromofluorobenzene	47.4	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A12.D
Date : 16-APR-2009 17:31
Client ID: 66033
Sample Info: 5025166033
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A12.D

Date : 16-APR-2009 17:31

Client ID: 66033

Instrument: 50MSV5.i

Sample Info: 5025166033

Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
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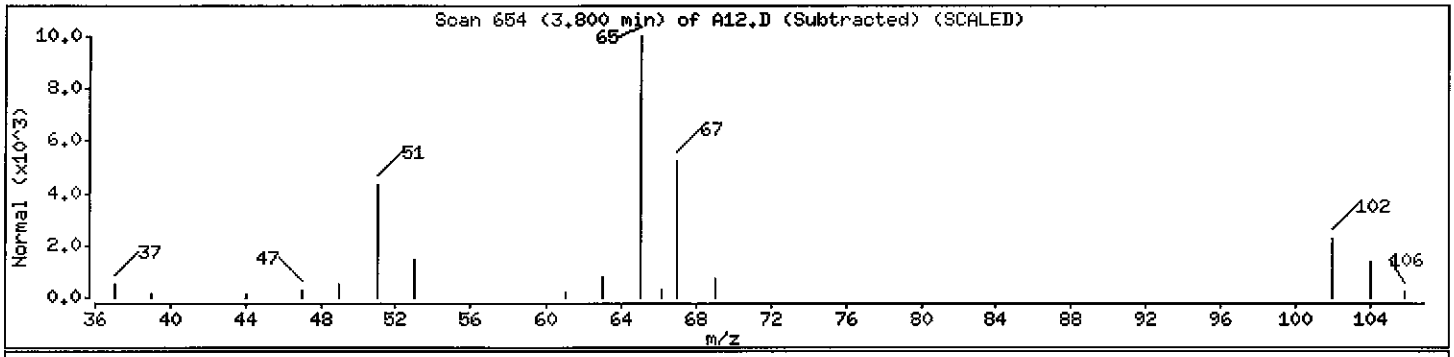


Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C05.D
Lab Smp Id: 5025166036 Client Smp ID: 66036
Inj Date : 17-APR-2009 00:07
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166036
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 49
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)
25 1,2-Dichloroethene (cis)	96	2.885	2.885	(0.682)	4202	2.75896	2.76
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	83556	54.8163	54.8
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	281163	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	279382	48.9365	48.9
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	198466	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	80778	47.6678	47.7
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	96500	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C05.D
Lab Smp Id: 5025166036
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66036
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	281163	-24.76
59 Chlorobenzene-d5	255255	127628	510510	198466	-22.25
82 1,4-Dichlorobenze	136223	68112	272446	96500	-29.16

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166036
Client Smp ID: 66036
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.8	109.63	80-123
$ 49 Toluene-d8	50.0	48.9	97.87	80-116
$ 70 4-Bromofluorobenze	50.0	47.7	95.34	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

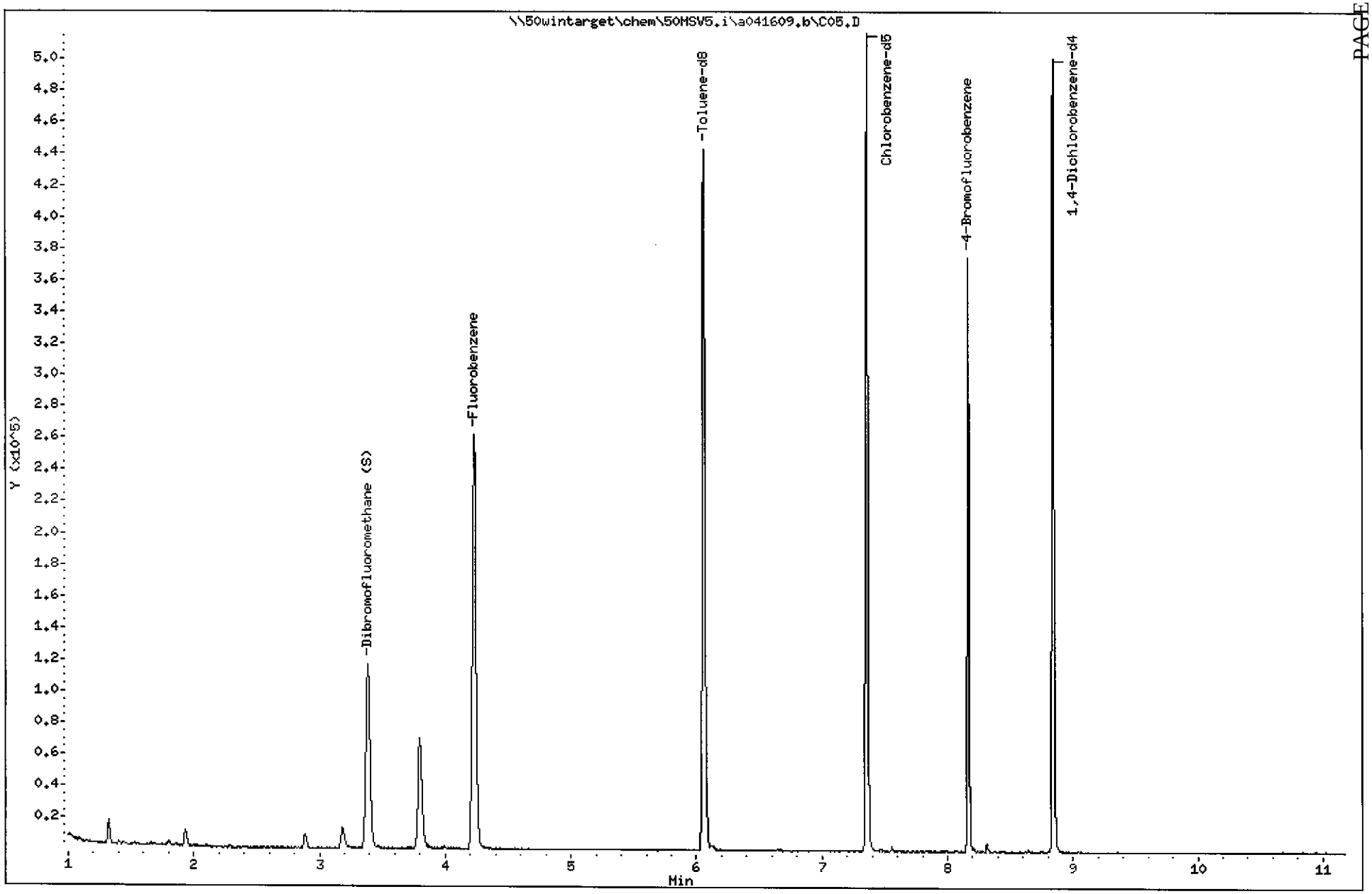
Client Name:
Lab Smp Id: 5025166036
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
156-59-2	1,2-Dichloroethene (cis)	2.76	
1868-53-7	Dibromofluoromethane (S)	54.8	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	47.7	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C05.D
Date : 17-APR-2009 00:07
Client ID: 66036
Sample Info: 5025166036
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C05.D

Date : 17-APR-2009 00:07

Client ID: 66036

Instrument: 50MSV5.i

Sample Info: 5025166036

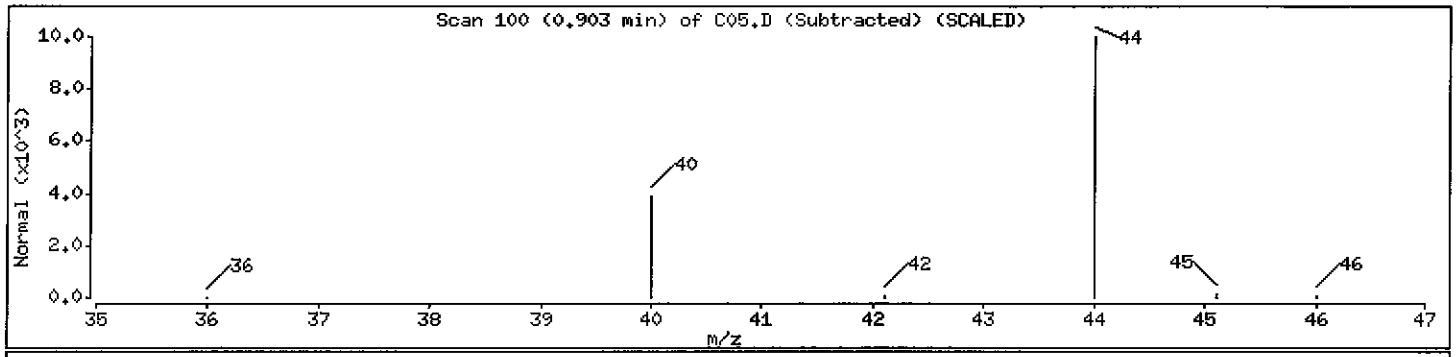
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A13.D
Lab Smp Id: 5025166037 Client Smp ID: 66037
Inj Date : 16-APR-2009 18:07
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166037
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 27
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	79368	53.8829	53.9
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	271697	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	267245	49.0316	49.0
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	189476	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	74005	45.7430	45.7
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	89294	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A13.D
Lab Smp Id: 5025166037
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66037
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	271697	-27.30
59 Chlorobenzene-d5	255255	127628	510510	189476	-25.77
82 1,4-Dichlorobenze	136223	68112	272446	89294	-34.45

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166037
Client Smp ID: 66037
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.9	107.77	80-123
$ 49 Toluene-d8	50.0	49.0	98.06	80-116
$ 70 4-Bromofluorobenze	50.0	45.7	91.49	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

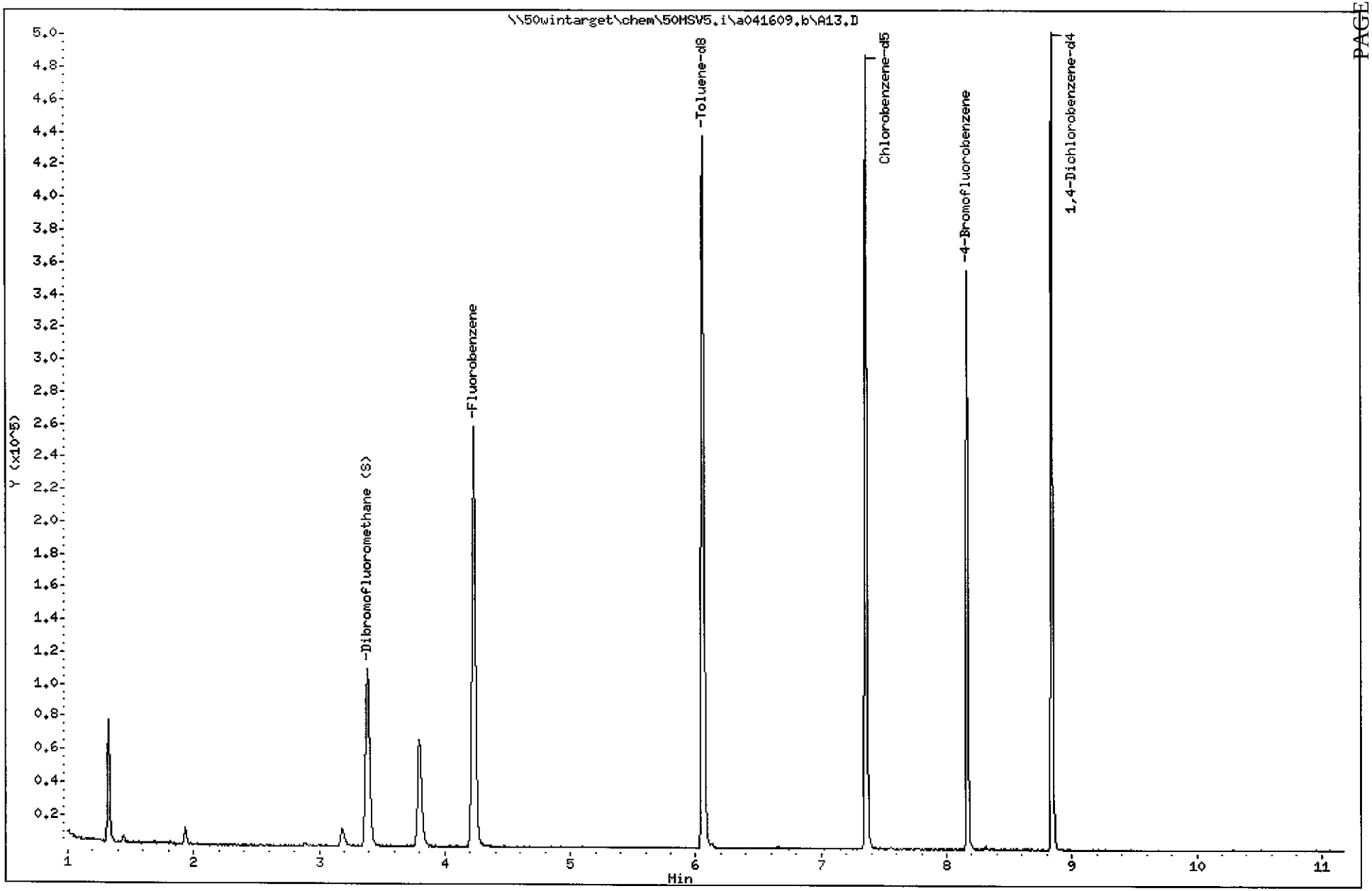
Client Name:
Lab Smp Id: 5025166037
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66037
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.9	
2037-26-5	Toluene-d8	49.0	
460-00-4	4-Bromofluorobenzene	45.7	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A13.D
Date : 16-APR-2009 18:07
Client ID: 66037
Sample Info: 5025166037
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A13.D

Date : 16-APR-2009 18:07

Client ID: 66037

Instrument: 50MSV5.i

Sample Info: 5025166037

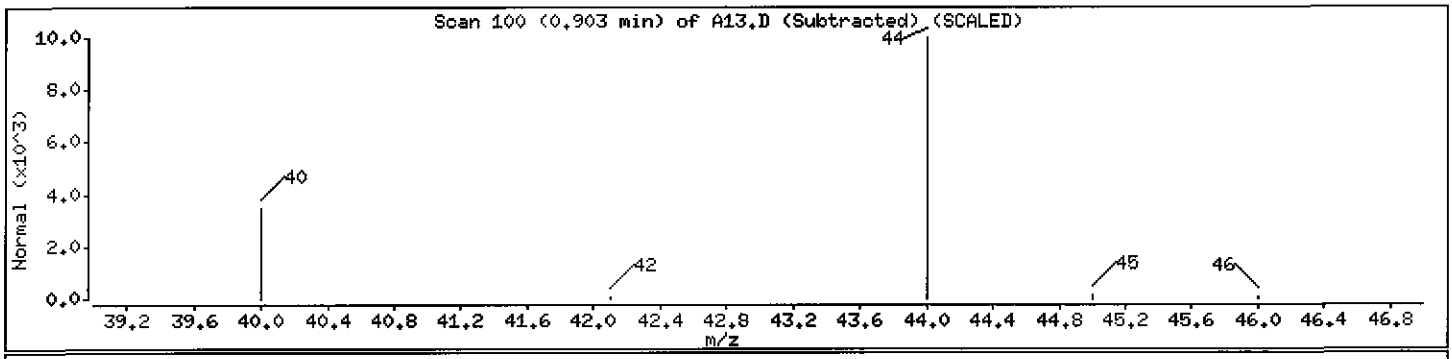
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A14.D
Lab Smp Id: 5025166038 Client Smp ID: 66038
Inj Date : 16-APR-2009 18:43
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166038
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 29
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	76815	53.2912	53.3
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	265877	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	263457	48.0414	48.0
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	190640	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.162	(1.110)	73712	45.2837	45.3
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	86328	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A14.D
Lab Smp Id: 5025166038
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66038
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	265877	-28.85
59 Chlorobenzene-d5	255255	127628	510510	190640	-25.31
82 1,4-Dichlorobenze	136223	68112	272446	86328	-36.63

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166038
Client Smp ID: 66038
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.3	106.58	80-123
$ 49 Toluene-d8	50.0	48.0	96.08	80-116
$ 70 4-Bromofluorobenze	50.0	45.3	90.57	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

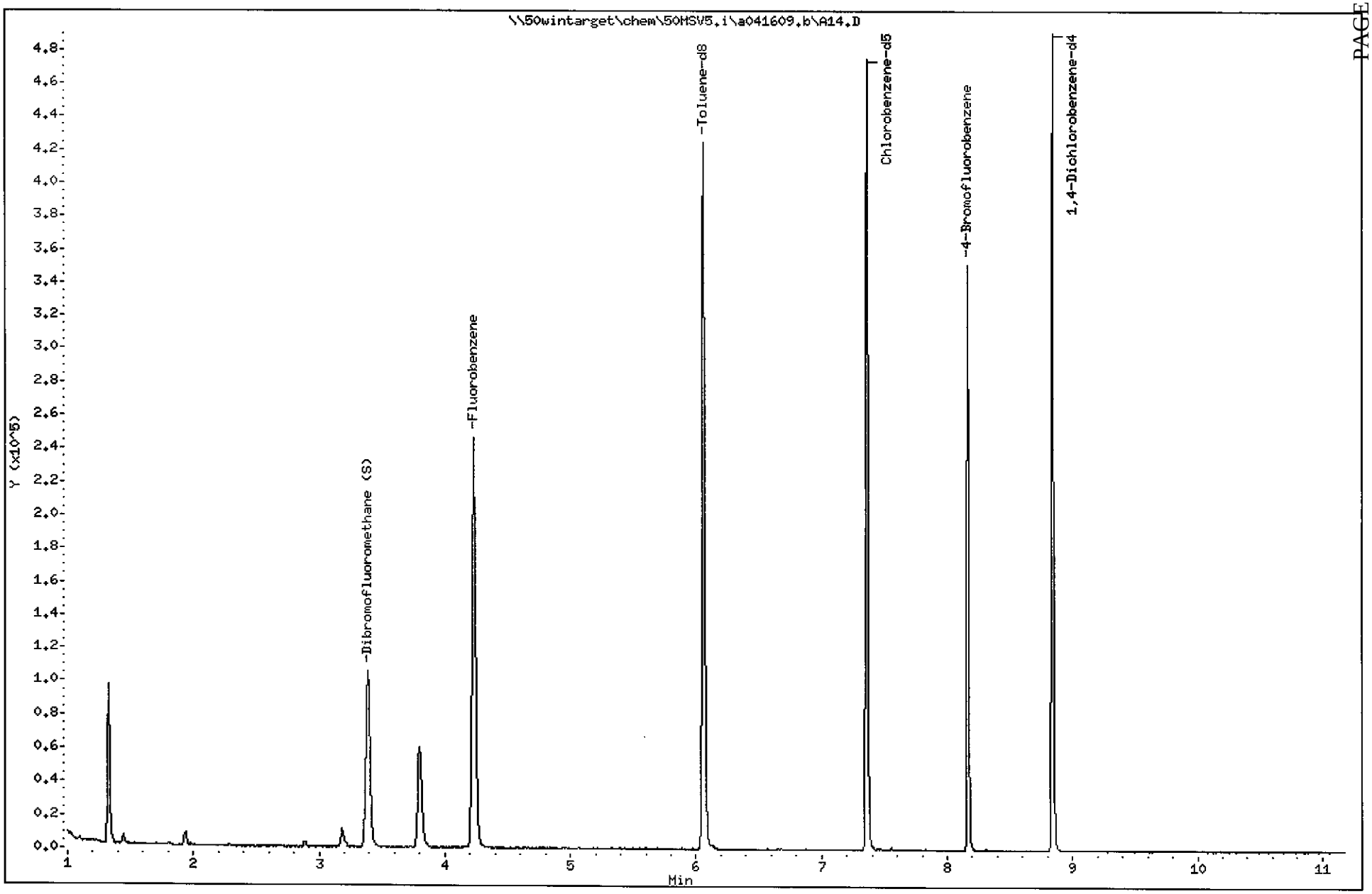
Client Name:
Lab Smp Id: 5025166038
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66038
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.3	
2037-26-5	Toluene-d8	48.0	
460-00-4	4-Bromofluorobenzene	45.3	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A14.D
Date : 16-APR-2009 18:43
Client ID: 66038
Sample Info: 5025166038
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A14.D

Date : 16-APR-2009 18:43

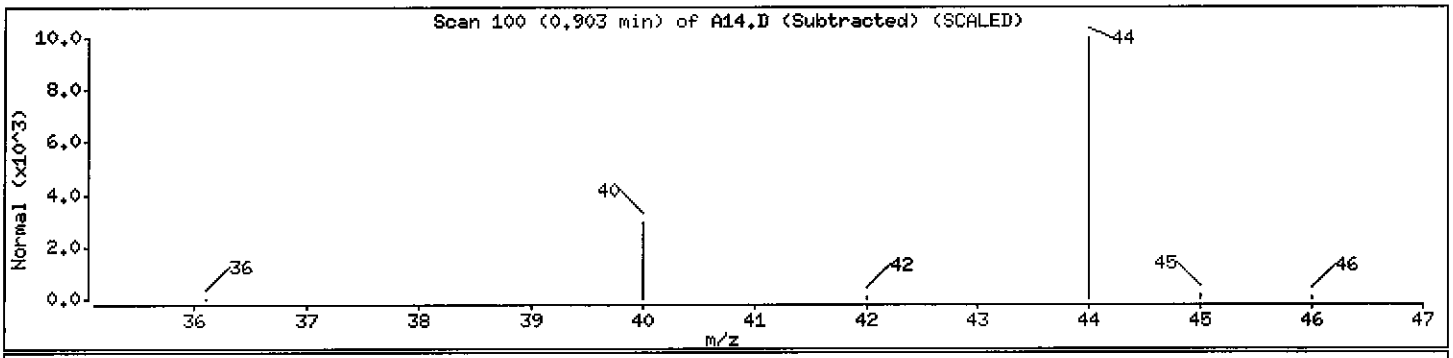
Client ID: 66038 Instrument: 50MSV5.i

Sample Info: 5025166038

Purge Volume: 5.0 Operator: ala

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A15.D
Lab Smp Id: 5025166039 Client Smp ID: 66039
Inj Date : 16-APR-2009 19:18
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166039
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 31
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	77100	53.5806	53.6
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	265422	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	265496	48.9045	48.9
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	188725	50.0000	
$ 70 4-Bromofluorobenzene	95	8.167	8.162	(1.110)	72927	45.2561	45.2
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	90837	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A15.D
Lab Smp Id: 5025166039
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66039
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	265422	-28.97
59 Chlorobenzene-d5	255255	127628	510510	188725	-26.06
82 1,4-Dichlorobenze	136223	68112	272446	90837	-33.32

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166039
Client Smp ID: 66039
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.6	107.16	80-123
$ 49 Toluene-d8	50.0	48.9	97.81	80-116
$ 70 4-Bromofluorobenze	50.0	45.2	90.51	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025166039
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

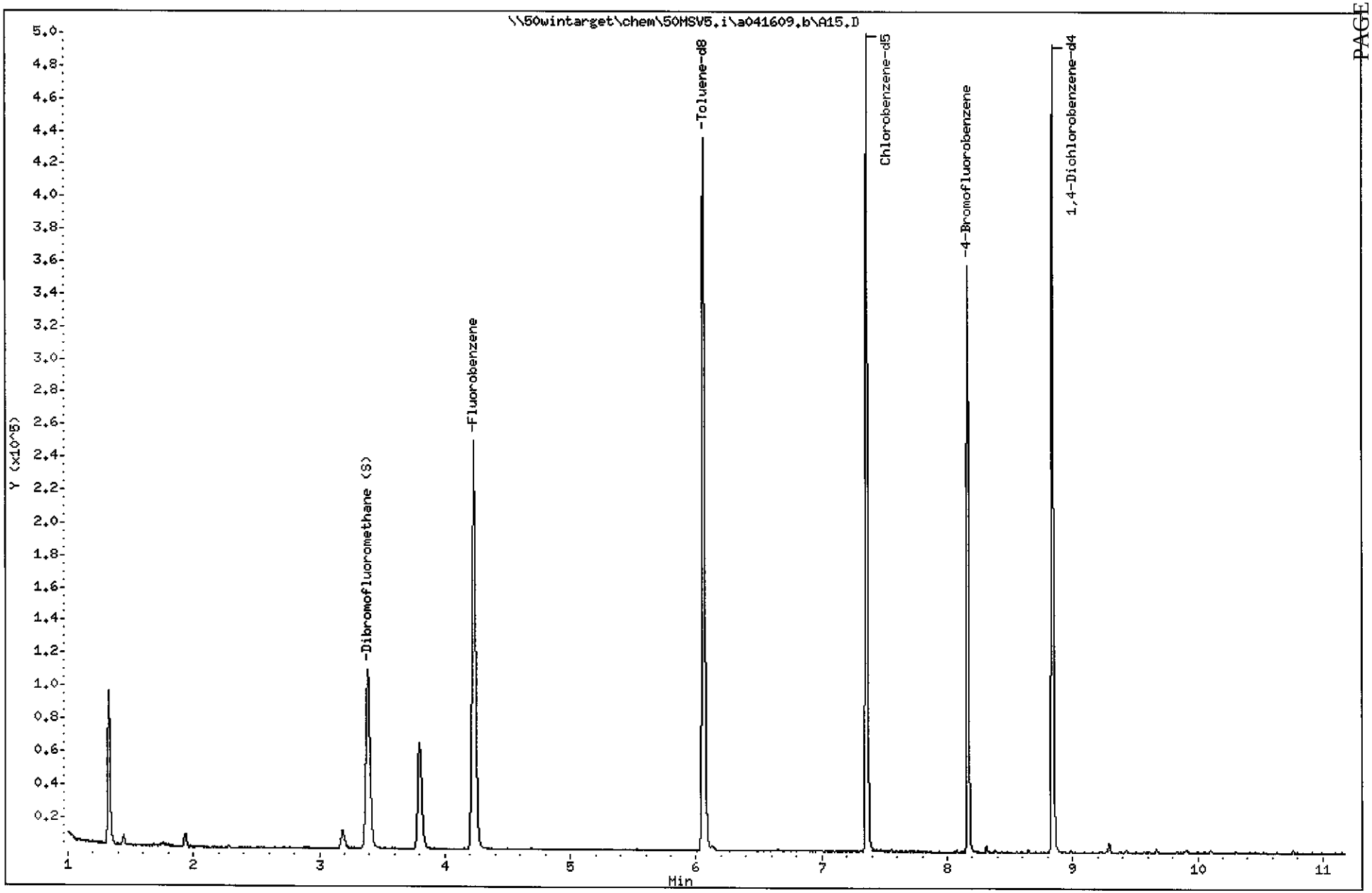
Client SDG: a041609.b
Client Smp ID: 66039
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	53.6	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	45.2	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A15.D
Date : 16-APR-2009 19:18
Client ID: 66039
Sample Info: 5025166039
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i

Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A15.D

Date : 16-APR-2009 19:18

Client ID: 66039

Instrument: 50MSV5.i

Sample Info: 5025166039

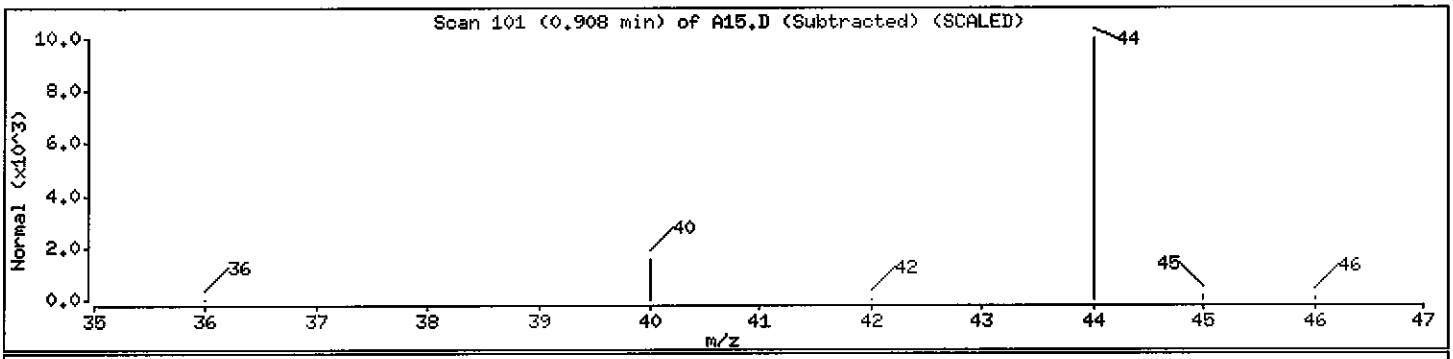
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A16.D
Lab Smp Id: 5025166040 Client Smp ID: 66040
Inj Date : 16-APR-2009 19:54
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166040
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 33
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	77285	54.4772	54.5
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	261680	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	257557	48.9311	48.9
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	182982	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	72201	46.2118	46.2
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	86511	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A16.D
Lab Smp Id: 5025166040
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66040
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	261680	-29.98
59 Chlorobenzene-d5	255255	127628	510510	182982	-28.31
82 1,4-Dichlorobenze	136223	68112	272446	86511	-36.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.01
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166040
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66040
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.5	108.95	80-123
$ 49 Toluene-d8	50.0	48.9	97.86	80-116
$ 70 4-Bromofluorobenze	50.0	46.2	92.42	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

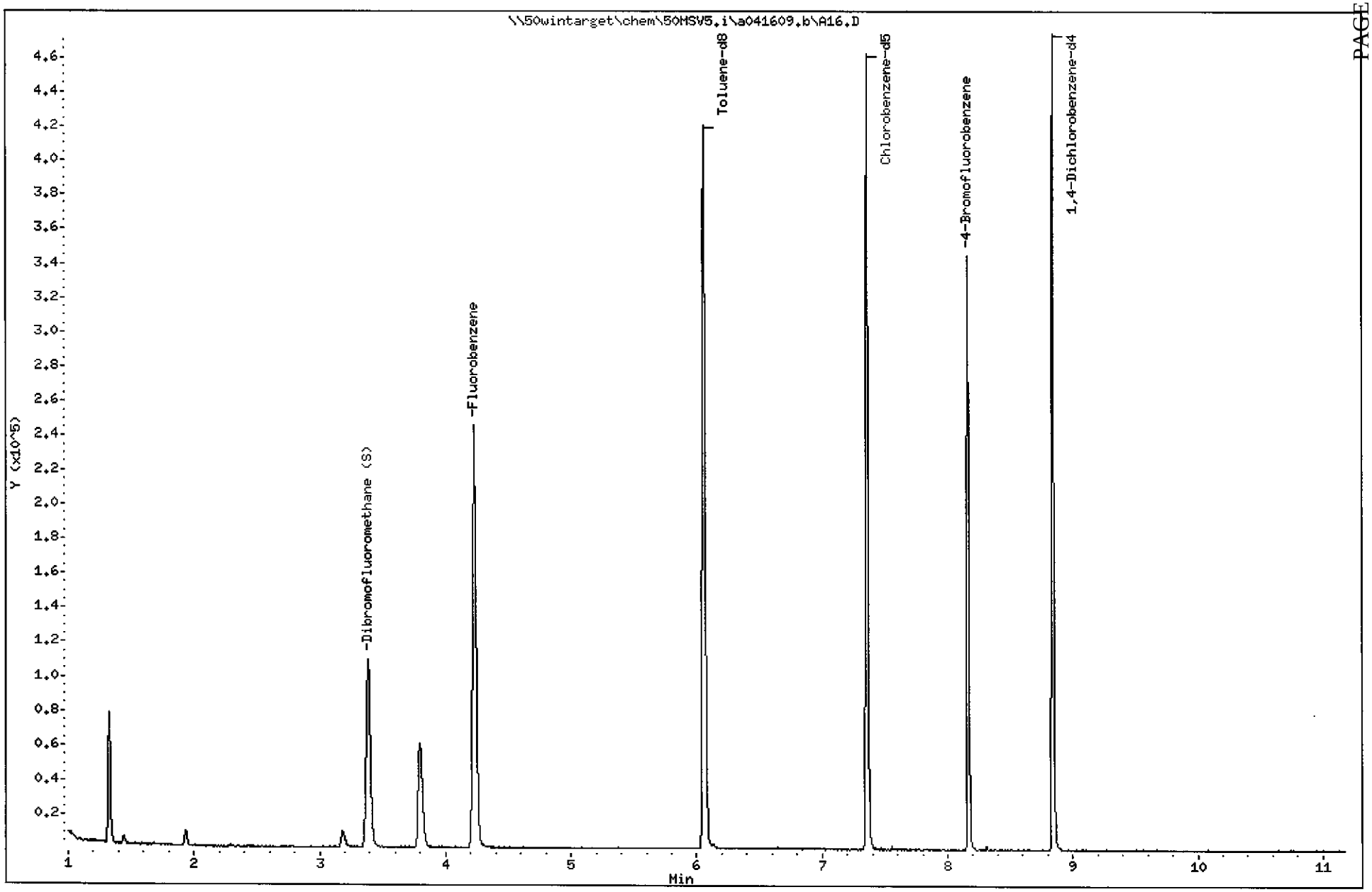
Client Name:
Lab Smp Id: 5025166040
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66040
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	54.5	
2037-26-5	Toluene-d8	48.9	
460-00-4	4-Bromofluorobenzene	46.2	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A16.D
Date : 16-APR-2009 19:54
Client ID: 66040
Sample Info: 5025166040
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A16.D

Date : 16-APR-2009 19:54

Client ID: 66040

Instrument: 50MSV5.i

Sample Info: 5025166040

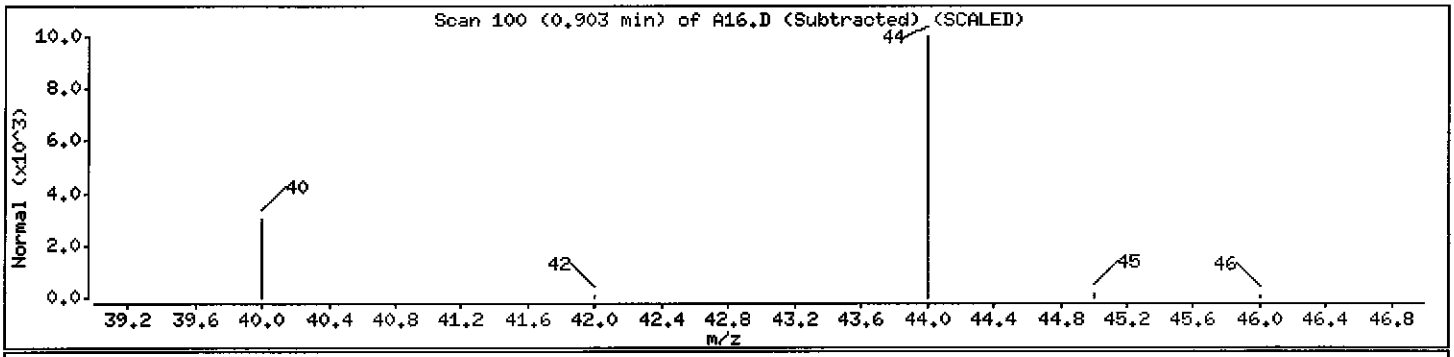
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\A17.D
Lab Smp Id: 5025166041 Client Smp ID: 66041
Inj Date : 16-APR-2009 20:30
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166041
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 35
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)
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	84769	53.7750	53.8
138 2,2,4-Trimethylpentane	57	3.988	3.988	(0.943)	4534	0.85199	0.852
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	290768	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	290223	50.2572	50.2
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	200749	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	80691	47.0749	47.1
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	102330	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A17.D
Lab Smp Id: 5025166041
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66041
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	290768	-22.19
59 Chlorobenzene-d5	255255	127628	510510	200749	-21.35
82 1,4-Dichlorobenze	136223	68112	272446	102330	-24.88

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166041
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66041
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.8	107.55	80-123
$ 49 Toluene-d8	50.0	50.2	100.51	80-116
$ 70 4-Bromofluorobenze	50.0	47.1	94.15	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

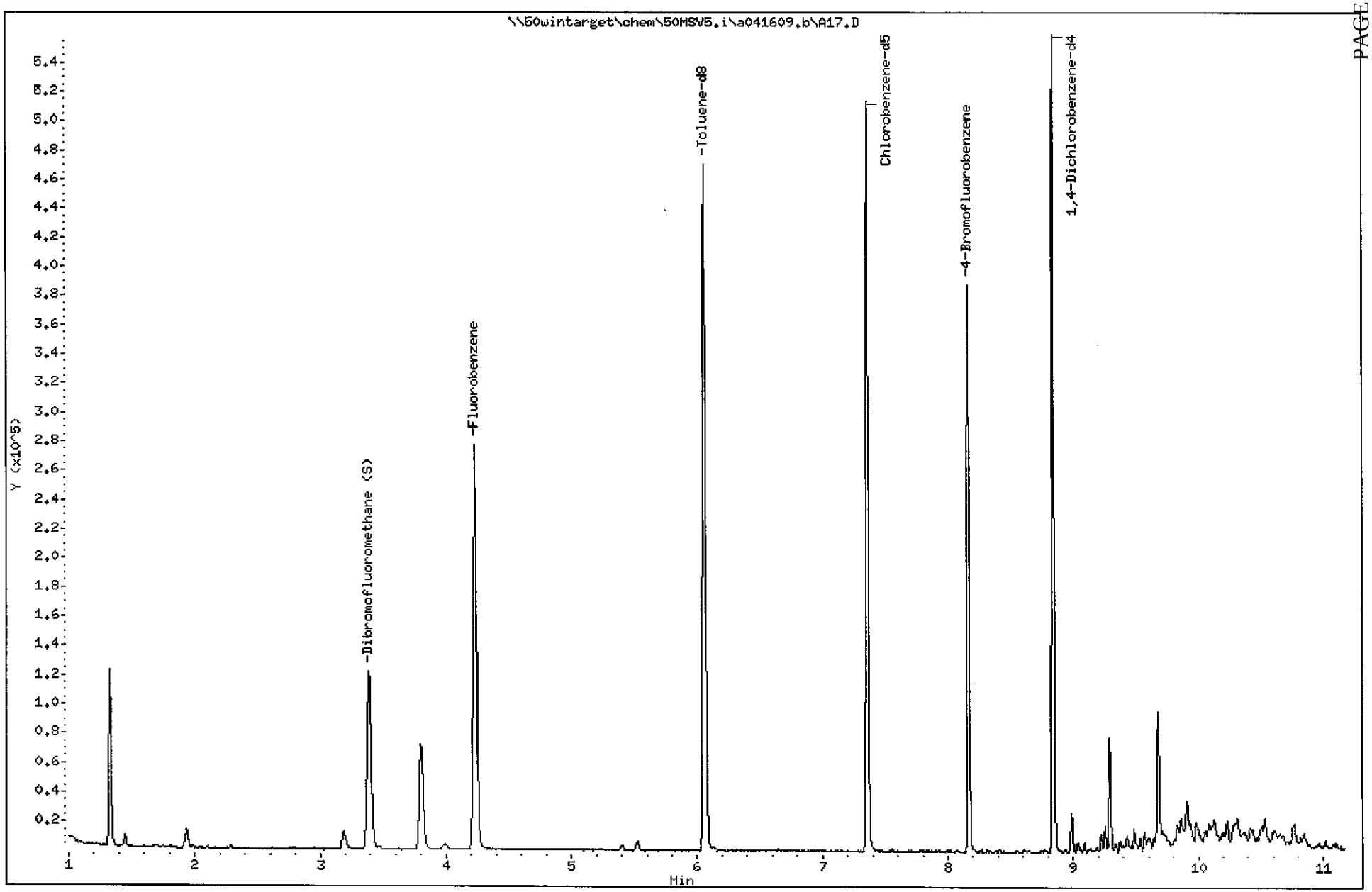
Client Name:
Lab Smp Id: 5025166041
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66041
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
540-84-1	2,2,4-Trimethylpentane	0.852	
1868-53-7	Dibromofluoromethane (S)	53.8	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	47.1	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A17.D
Date : 16-APR-2009 20:30
Client ID: 66041
Sample Info: 5025166041
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\A17.D

Date : 16-APR-2009 20:30

Client ID: 66041

Instrument: 50MSV5.i

Sample Info: 5025166041

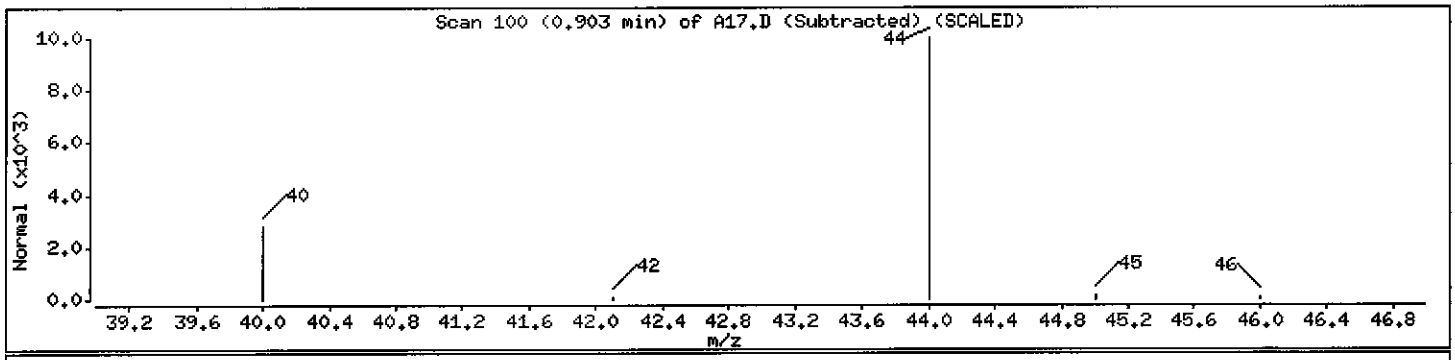
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C08.D
Lab Smp Id: 5025166042 Client Smp ID: 66042
Inj Date : 17-APR-2009 01:55
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166042
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 55
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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	1685	1.08483	1.08 (M)
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	2911	0.93166	0.932
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	85503	53.6692	53.7
138 2,2,4-Trimethylpentane	57	3.993	3.988	(0.944)	3479	0.64685	0.647
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	293864	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	288297	48.7619	48.8
50 Toluene	91	6.127	6.128	(0.833)	3457	0.52412	0.524
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	205532	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	81528	46.4564	46.4
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	98841	50.0000	

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C08.D
Lab Smp Id: 5025166042
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66042
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	293864	-21.36
59 Chlorobenzene-d5	255255	127628	510510	205532	-19.48
82 1,4-Dichlorobenze	136223	68112	272446	98841	-27.44

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166042
Client Smp ID: 66042
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.7	107.34	80-123
$ 49 Toluene-d8	50.0	48.8	97.52	80-116
$ 70 4-Bromofluorobenze	50.0	46.4	92.91	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

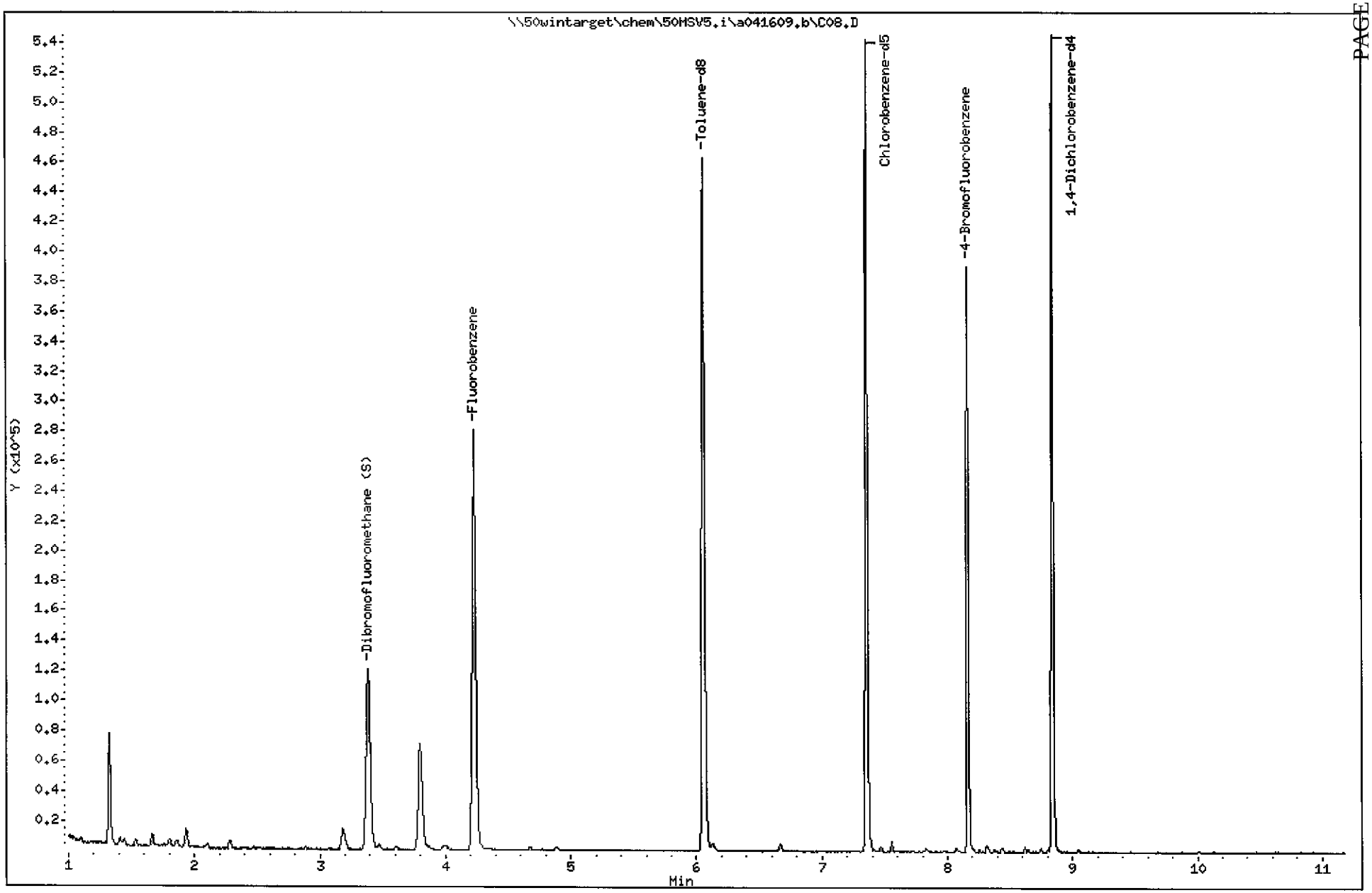
Client Name:
Lab Smp Id: 5025166042
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66042
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	1.08	
75-69-4	Trichlorofluoromethane	0.932	
540-84-1	2,2,4-Trimethylpentane	0.647	
108-88-3	Toluene	0.524	
1868-53-7	Dibromofluoromethane (S)	53.7	
2037-26-5	Toluene-d8	48.8	
460-00-4	4-Bromofluorobenzene	46.4	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C08.D
Date : 17-APR-2009 01:55
Client ID: 66042
Sample Info: 5025166042
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C08.D

Date : 17-APR-2009 01:55

Client ID: 66042

Instrument: 50MSV5.i

Sample Info: 5025166042

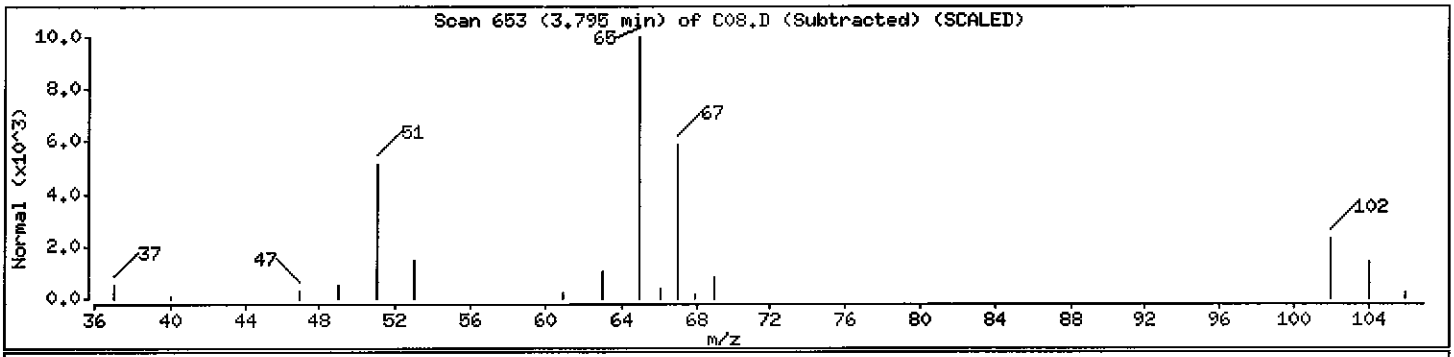
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C09.D
Lab Smp Id: 5025166043 Client Smp ID: 66043
Inj Date : 17-APR-2009 02:31
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166043
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 57
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)
3 Vinyl Chloride	62	1.101	1.101	(0.260)	2217	1.47704	1.48
6 Trichlorofluoromethane	101	1.410	1.410	(0.333)	1855	0.61436	0.614
$ 32 Dibromofluoromethane (S)	113	3.387	3.387	(0.801)	83212	54.0500	54.0
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	283975	50.0000	
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	275809	48.4610	48.5
50 Toluene	91	6.133	6.128	(0.834)	2327	0.36650	0.366
54 Tetrachloroethene	166	6.671	6.671	(0.907)	2533	1.24464	1.24
* 59 Chlorobenzene-d5	117	7.357	7.357	(1.000)	197850	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	80004	47.3580	47.4
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	95744	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C09.D
Lab Smp Id: 5025166043
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66043
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	283975	-24.01
59 Chlorobenzene-d5	255255	127628	510510	197850	-22.49
82 1,4-Dichlorobenze	136223	68112	272446	95744	-29.72

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166043
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66043
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	54.0	108.10	80-123
$ 49 Toluene-d8	50.0	48.5	96.92	80-116
$ 70 4-Bromofluorobenze	50.0	47.4	94.72	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

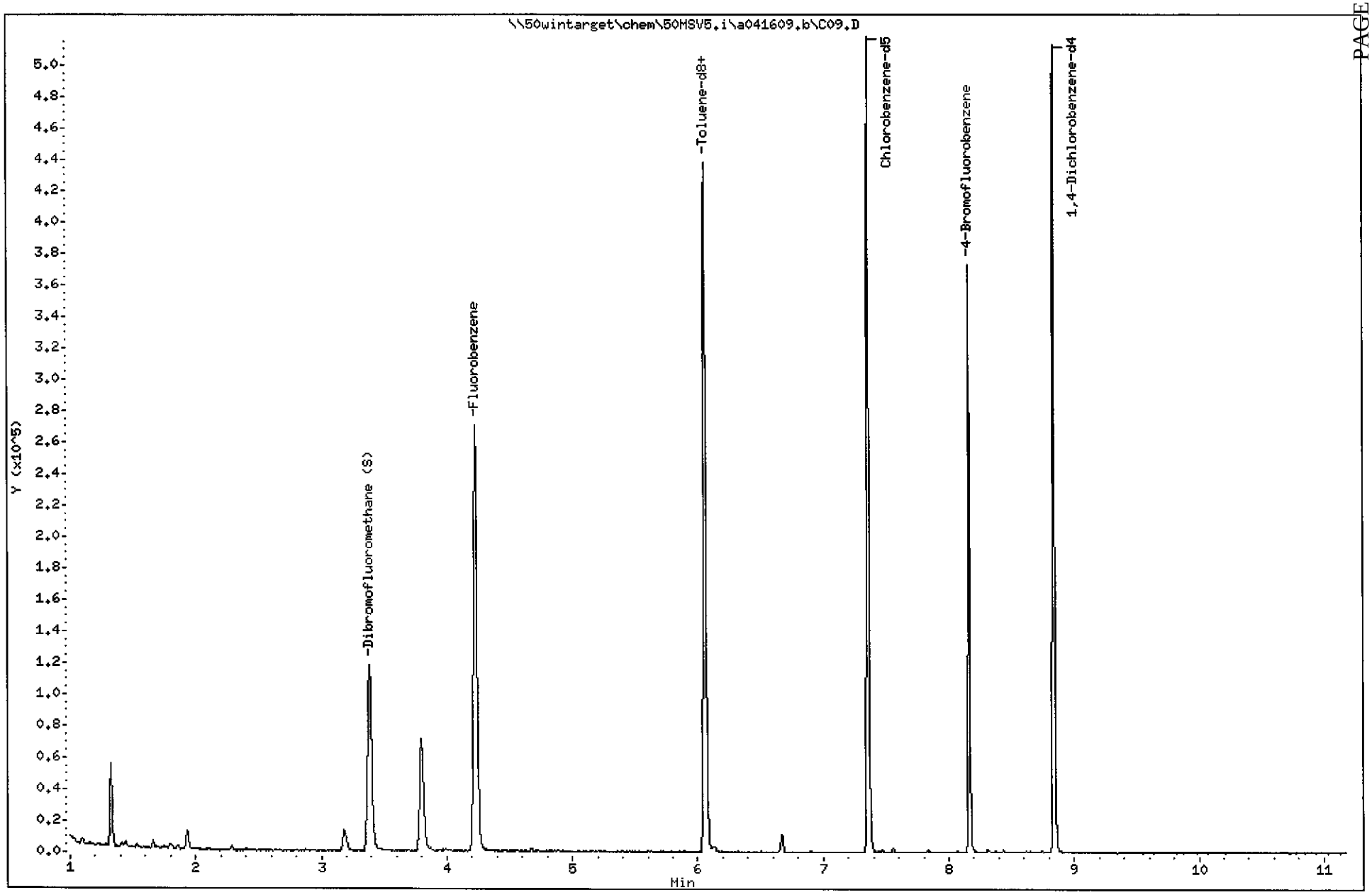
Client Name:
Lab Smp Id: 5025166043
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66043
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	1.48	
75-69-4	Trichlorofluoromethane	0.614	
108-88-3	Toluene	0.366	
127-18-4	Tetrachloroethene	1.24	
1868-53-7	Dibromofluoromethane (S)	54.0	
2037-26-5	Toluene-d8	48.5	
460-00-4	4-Bromofluorobenzene	47.4	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C09.D
Date : 17-APR-2009 02:31
Client ID: 66043
Sample Info: 5025166043
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C09.D

Date : 17-APR-2009 02:31

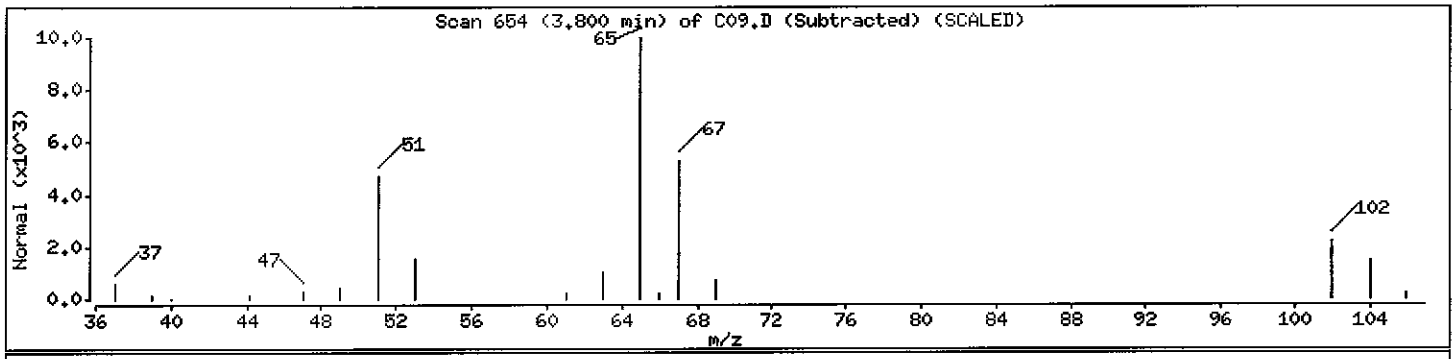
Client ID: 66043 Instrument: 50MSV5.i

Sample Info: 5025166043

Purge Volume: 5.0 Operator: ala

Column phase: DB-624 Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041609.b\C10.D
Lab Smp Id: 5025166044 Client Smp ID: 66044
Inj Date : 17-APR-2009 03:07
Operator : ala Inst ID: 50MSV5.i
Smp Info : 5025166044
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Meth Date : 17-Apr-2009 13:10 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 59
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)
$ 32 Dibromofluoromethane (S)	113	3.381	3.387	(0.800)	83814	50.8091	50.8
* 40 Fluorobenzene	96	4.229	4.229	(1.000)	304274	50.0000	
41 Trichloroethene	95	4.673	4.674	(1.105)	15055	6.66686	6.67
$ 49 Toluene-d8	98	6.059	6.060	(0.824)	281810	47.4707	47.5
54 Tetrachloroethene	166	6.677	6.671	(0.908)	3286689	1548.30	1550
* 59 Chlorobenzene-d5	117	7.356	7.357	(1.000)	206372	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.162	(1.109)	78732	44.6805	44.7
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	95777	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: C10.D
Lab Smp Id: 5025166044
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 22:19
Client Smp ID: 66044
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	304274	-18.58
59 Chlorobenzene-d5	255255	127628	510510	206372	-19.15
82 1,4-Dichlorobenze	136223	68112	272446	95777	-29.69

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.00
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.00
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166044
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041609.b\A8260.m
Misc Info:

Client SDG: a041609.b
Fraction: VOA
Client Smp ID: 66044
Operator: ala
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	50.8	101.62	80-123
$ 49 Toluene-d8	50.0	47.5	94.94	80-116
$ 70 4-Bromofluorobenze	50.0	44.7	89.36	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

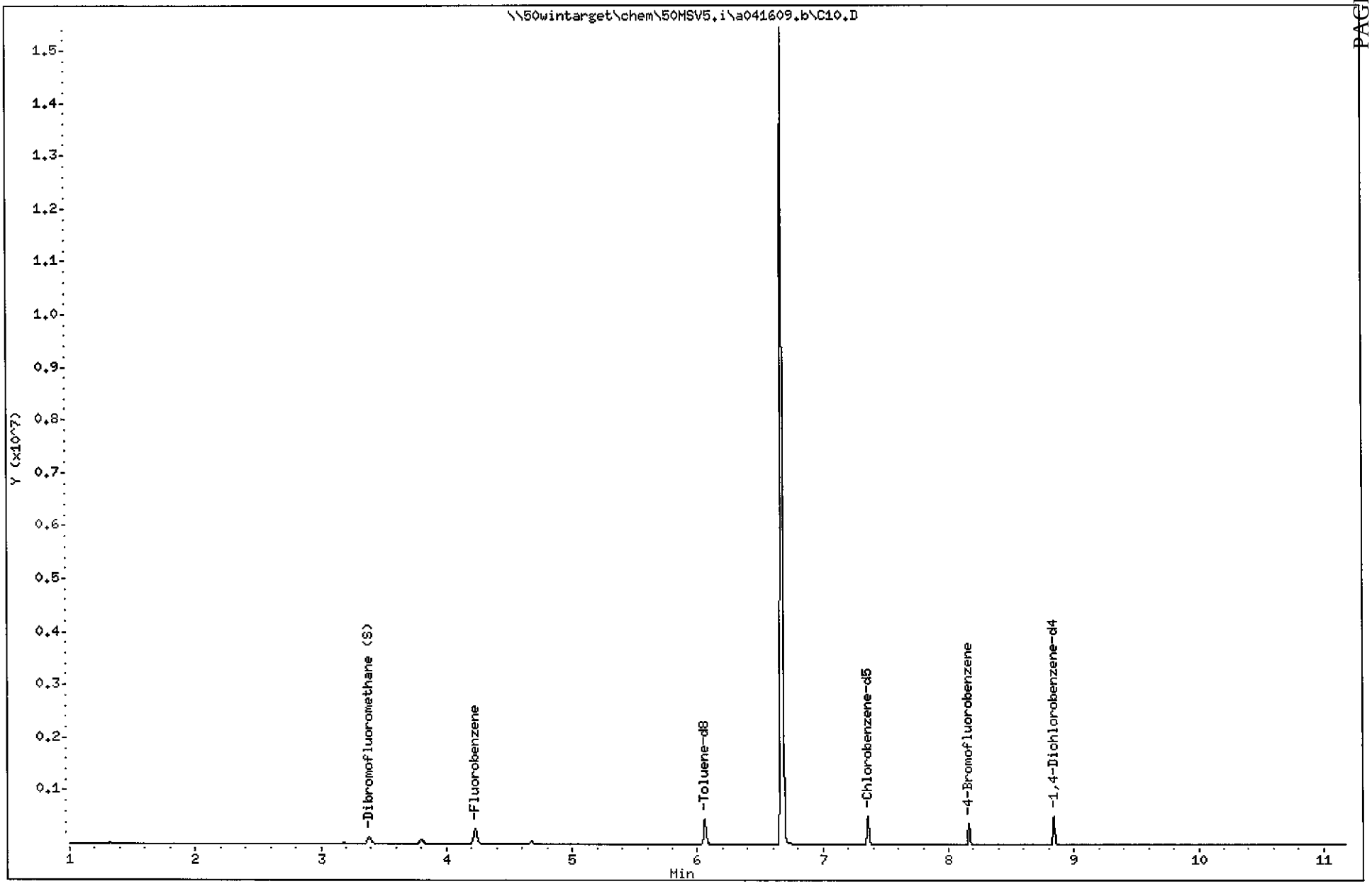
Client Name:
Lab Smp Id: 5025166044
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a041609.b
Client Smp ID: 66044
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
79-01-6	Trichloroethene	6.67	
127-18-4	Tetrachloroethene	1550	
1868-53-7	Dibromofluoromethane (S)	50.8	
2037-26-5	Toluene-d8	47.5	
460-00-4	4-Bromofluorobenzene	44.7	

Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C10.D
Date : 17-APR-2009 03:07
Client ID: 66044
Sample Info: 5025166044
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041609.b\C10.D

Date : 17-APR-2009 03:07

Client ID: 66044

Instrument: 50MSV5.i

Sample Info: 5025166044

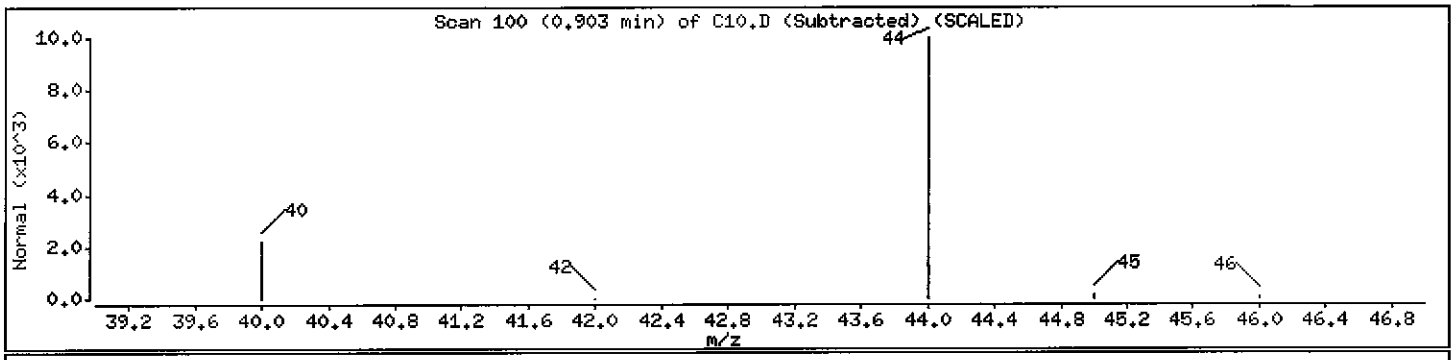
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50wintarget\chem\50MSV5.i\a041709.b\A04.D
Lab Smp Id: 5025166044 Client Smp ID: 66044
Inj Date : 17-APR-2009 12:54
Operator : ala Inst ID: 50MSV5.i
Smp Info : r5025166044,25
Misc Info : 15693
Comment :
Method : \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Meth Date : 20-Apr-2009 13:02 aallison Quant Type: ISTD
Cal Date : 07-APR-2009 14:55 Cal File: A07.D
Als bottle: 9
Dil Factor: 25.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	25.000	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)
$ 32 Dibromofluoromethane (S)	113	3.381	3.392	(0.800)	78762	53.0085	53.0
* 40 Fluorobenzene	96	4.229	4.234	(1.000)	274070	50.0000	
$ 49 Toluene-d8	98	6.059	6.059	(0.824)	265766	47.5440	47.5
54 Tetrachloroethene	166	6.671	6.677	(0.907)	84159	42.1039	1050
* 59 Chlorobenzene-d5	117	7.356	7.362	(1.000)	194323	50.0000	
$ 70 4-Bromofluorobenzene	95	8.162	8.167	(1.109)	75920	45.7562	45.8
* 82 1,4-Dichlorobenzene-d4	152	8.842	8.842	(1.000)	91221	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV5.i
Lab File ID: A04.D
Lab Smp Id: 5025166044
Analysis Type: VOA
Quant Type: ISTD
Operator: ala
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info: 15693

Calibration Date: 17-APR-2009
Calibration Time: 22:30
Client Smp ID: 66044
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 4.
If Continuing Cal. use Initial Cal. Level 4

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	373698	186849	747396	274070	-26.66
59 Chlorobenzene-d5	255255	127628	510510	194323	-23.87
82 1,4-Dichlorobenze	136223	68112	272446	91221	-33.04

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
40 Fluorobenzene	4.23	3.73	4.73	4.23	-0.13
59 Chlorobenzene-d5	7.36	6.86	7.86	7.36	-0.07
82 1,4-Dichlorobenze	8.84	8.34	9.34	8.84	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: a041709.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025166044
Client Smp ID: 66044
Level: LOW
Operator: ala
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSV5.i\a041709.b\A8260.m
Misc Info: 15693

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 32 Dibromofluorometha	50.0	53.0	106.02	80-123
$ 49 Toluene-d8	50.0	47.5	95.09	80-116
$ 70 4-Bromofluorobenze	50.0	45.8	91.51	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

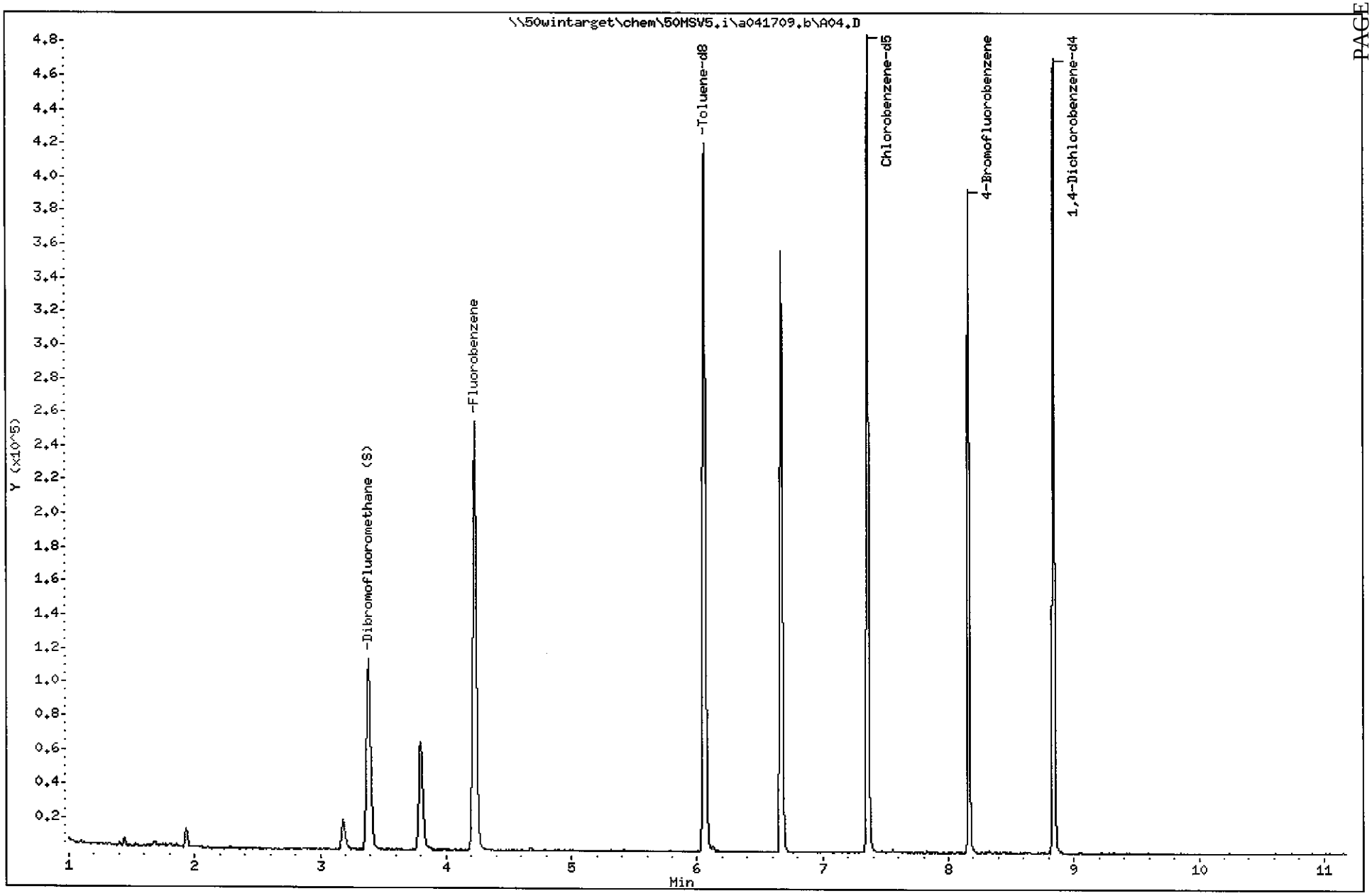
Client Name:
Lab Smp Id: 5025166044
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15693

Client SDG: a041709.b
Client Smp ID: 66044
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: ala

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
127-18-4	Tetrachloroethene	1050	
1868-53-7	Dibromofluoromethane (S)	53.0	
2037-26-5	Toluene-d8	47.5	
460-00-4	4-Bromofluorobenzene	45.8	

Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A04.D
Date : 17-APR-2009 12:54
Client ID: 66044
Sample Info: r5025166044,25
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV5.i
Operator: ala
Column diameter: 0.18



Data File: \\50wintarget\chem\50MSV5.i\a041709.b\A04.D

Date : 17-APR-2009 12:54

Client ID: 66044

Instrument: 50MSV5.i

Sample Info: r5025166044,25

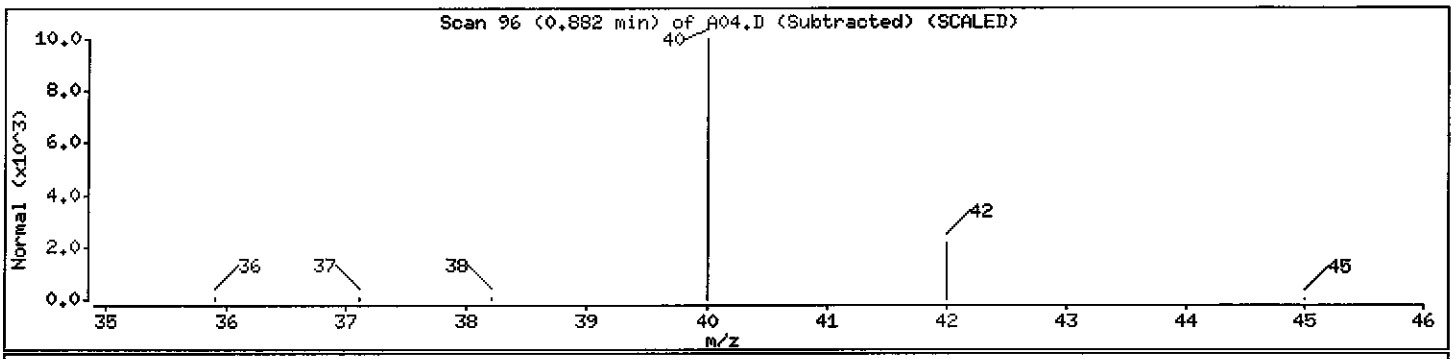
Purge Volume: 5.0

Operator: ala

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



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SVOA 8270C
GC/MS Semi-volatiles

Project Number 525166

Initials/ Date Compiled KS 4/29/09

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: EB-2(040909)RW
Lab ID: 5025166034
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
83-32-9	Acenaphthene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:11	
208-96-8	Acenaphthylene	ND	ug/L	5.3	1.5	1	04/15/09 12:10	04/16/09 13:11	
98-86-2	Acetophenone	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
120-12-7	Anthracene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
1912-24-9	Atrazine	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
100-52-7	Benzaldehyde	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
56-55-3	Benzo(a)anthracene	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:11	
50-32-8	Benzo(a)pyrene	ND	ug/L	5.3	1.1	1	04/15/09 12:10	04/16/09 13:11	
205-99-2	Benzo(b)fluoranthene	ND	ug/L	5.3	0.86	1	04/15/09 12:10	04/16/09 13:11	
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
207-08-9	Benzo(k)fluoranthene	ND	ug/L	5.3	1.7	1	04/15/09 12:10	04/16/09 13:11	
92-52-4	Biphenyl (Diphenyl)	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
101-55-3	4-Bromophenylphenyl ether	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:11	
85-68-7	Butylbenzylphthalate	ND	ug/L	5.3	1.9	1	04/15/09 12:10	04/16/09 13:11	
105-60-2	Caprolactam	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
86-74-8	Carbazole	ND	ug/L	5.3	0.73	1	04/15/09 12:10	04/16/09 13:11	
106-47-8	4-Chloroaniline	ND	ug/L	10.5	1.1	1	04/15/09 12:10	04/16/09 13:11	
111-91-1	bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:11	
111-44-4	bis(2-Chloroethyl) ether	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:11	
91-58-7	2-Chloronaphthalene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
7005-72-3	4-Chlorophenylphenyl ether	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
218-01-9	Chrysene	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:11	
53-70-3	Dibenz(a,h)anthracene	ND	ug/L	5.3	1.1	1	04/15/09 12:10	04/16/09 13:11	
132-64-9	Dibenzofuran	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:11	
91-94-1	3,3'-Dichlorobenzidine	ND	ug/L	5.3	2.0	1	04/15/09 12:10	04/16/09 13:11	
84-66-2	Diethylphthalate	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:11	
131-11-3	Dimethylphthalate	ND	ug/L	5.3	2.5	1	04/15/09 12:10	04/16/09 13:11	
84-74-2	Di-n-butylphthalate	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:11	
121-14-2	2,4-Dinitrotoluene	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:11	
606-20-2	2,6-Dinitrotoluene	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:11	
117-84-0	Di-n-octylphthalate	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
206-44-0	Fluoranthene	ND	ug/L	5.3	1.5	1	04/15/09 12:10	04/16/09 13:11	
86-73-7	Fluorene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:11	
87-68-3	Hexachloro-1,3-butadiene	ND	ug/L	5.3	0.42	1	04/15/09 12:10	04/16/09 13:11	
118-74-1	Hexachlorobenzene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
77-47-4	Hexachlorocyclopentadiene	ND	ug/L	26.3	0.39	1	04/15/09 12:10	04/16/09 13:11	
67-72-1	Hexachloroethane	ND	ug/L	5.3	0.52	1	04/15/09 12:10	04/16/09 13:11	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:11	
78-59-1	Isophorone	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:11	
91-57-6	2-Methylnaphthalene	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:11	
91-20-3	Naphthalene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
88-74-4	2-Nitroaniline	ND	ug/L	21.1	1.2	1	04/15/09 12:10	04/16/09 13:11	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: EB-2(040909)RW
Lab ID: 5025166034
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
99-09-2	3-Nitroaniline	ND	ug/L	21.1	1.1	1	04/15/09 12:10	04/16/09 13:11	
100-01-6	4-Nitroaniline	ND	ug/L	21.1	1.8	1	04/15/09 12:10	04/16/09 13:11	
98-95-3	Nitrobenzene	ND	ug/L	5.3	1.9	1	04/15/09 12:10	04/16/09 13:11	
621-64-7	N-Nitroso-di-n-propylamine	ND	ug/L	5.3	2.3	1	04/15/09 12:10	04/16/09 13:11	
86-30-6	N-Nitrosodiphenylamine	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:11	
85-01-8	Phenanthrene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:11	
129-00-0	Pyrene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:11	
4165-60-0	Nitrobenzene-d5 (S)	**91**	%	40-112		1	04/15/09 12:10	04/16/09 13:11	
321-60-8	2-Fluorobiphenyl (S)	**92**	%	31-114		1	04/15/09 12:10	04/16/09 13:11	
1718-51-0	Terphenyl-d14 (S)	**83**	%	10-116		1	04/15/09 12:10	04/16/09 13:11	
13127-88-3	Phenol-d6 (S)	**34**	%	10-100		1	04/15/09 12:10	04/16/09 13:11	
367-12-4	2-Fluorophenol (S)	**55**	%	13-100		1	04/15/09 12:10	04/16/09 13:11	
118-79-6	2,4,6-Tribromophenol (S)	**77**	%	26-125		1	04/15/09 12:10	04/16/09 13:11	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: FD-2(040909)RW
Lab ID: 5025166035
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
83-32-9	Acenaphthene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:32	
208-96-8	Acenaphthylene	ND	ug/L	5.3	1.5	1	04/15/09 12:10	04/16/09 13:32	
98-86-2	Acetophenone	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
120-12-7	Anthracene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
1912-24-9	Atrazine	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
100-52-7	Benzaldehyde	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
56-55-3	Benzo(a)anthracene	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:32	
50-32-8	Benzo(a)pyrene	ND	ug/L	5.3	1.1	1	04/15/09 12:10	04/16/09 13:32	
205-99-2	Benzo(b)fluoranthene	ND	ug/L	5.3	0.86	1	04/15/09 12:10	04/16/09 13:32	
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
207-08-9	Benzo(k)fluoranthene	ND	ug/L	5.3	1.7	1	04/15/09 12:10	04/16/09 13:32	
92-52-4	Biphenyl (Diphenyl)	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
101-55-3	4-Bromophenylphenyl ether	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:32	
85-68-7	Butylbenzylphthalate	ND	ug/L	5.3	1.9	1	04/15/09 12:10	04/16/09 13:32	
105-60-2	Caprolactam	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
86-74-8	Carbazole	ND	ug/L	5.3	0.73	1	04/15/09 12:10	04/16/09 13:32	
106-47-8	4-Chloroaniline	ND	ug/L	10.5	1.1	1	04/15/09 12:10	04/16/09 13:32	
111-91-1	bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:32	
111-44-4	bis(2-Chloroethyl) ether	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:32	
91-58-7	2-Chloronaphthalene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
7005-72-3	4-Chlorophenylphenyl ether	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
218-01-9	Chrysene	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:32	
53-70-3	Dibenz(a,h)anthracene	ND	ug/L	5.3	1.1	1	04/15/09 12:10	04/16/09 13:32	
132-64-9	Dibenzofuran	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:32	
91-94-1	3,3'-Dichlorobenzidine	ND	ug/L	5.3	2.0	1	04/15/09 12:10	04/16/09 13:32	
84-66-2	Diethylphthalate	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:32	
131-11-3	Dimethylphthalate	ND	ug/L	5.3	2.5	1	04/15/09 12:10	04/16/09 13:32	
84-74-2	Di-n-butylphthalate	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:32	
121-14-2	2,4-Dinitrotoluene	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:32	
606-20-2	2,6-Dinitrotoluene	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:32	
117-84-0	Di-n-octylphthalate	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
206-44-0	Fluoranthene	ND	ug/L	5.3	1.5	1	04/15/09 12:10	04/16/09 13:32	
86-73-7	Fluorene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:32	
87-68-3	Hexachloro-1,3-butadiene	ND	ug/L	5.3	0.42	1	04/15/09 12:10	04/16/09 13:32	
118-74-1	Hexachlorobenzene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
77-47-4	Hexachlorocyclopentadiene	ND	ug/L	26.3	0.39	1	04/15/09 12:10	04/16/09 13:32	
67-72-1	Hexachloroethane	ND	ug/L	5.3	0.52	1	04/15/09 12:10	04/16/09 13:32	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:32	
78-59-1	Isophorone	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:32	
91-57-6	2-Methylnaphthalene	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:32	
91-20-3	Naphthalene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
88-74-4	2-Nitroaniline	ND	ug/L	21.1	1.2	1	04/15/09 12:10	04/16/09 13:32	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: FD-2(040909)RW
Lab ID: 5025166035
Collected: 04/09/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
99-09-2	3-Nitroaniline	ND	ug/L	21.1	1.1	1	04/15/09 12:10	04/16/09 13:32	
100-01-6	4-Nitroaniline	ND	ug/L	21.1	1.8	1	04/15/09 12:10	04/16/09 13:32	
98-95-3	Nitrobenzene	ND	ug/L	5.3	1.9	1	04/15/09 12:10	04/16/09 13:32	
621-64-7	N-Nitroso-di-n-propylamine	ND	ug/L	5.3	2.3	1	04/15/09 12:10	04/16/09 13:32	
86-30-6	N-Nitrosodiphenylamine	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:32	
85-01-8	Phenanthrene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:32	
129-00-0	Pyrene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:32	
4165-60-0	Nitrobenzene-d5 (S)	**90**	%	40-112		1	04/15/09 12:10	04/16/09 13:32	
321-60-8	2-Fluorobiphenyl (S)	**87**	%	31-114		1	04/15/09 12:10	04/16/09 13:32	
1718-51-0	Terphenyl-d14 (S)	**83**	%	10-116		1	04/15/09 12:10	04/16/09 13:32	
13127-88-3	Phenol-d6 (S)	**34**	%	10-100		1	04/15/09 12:10	04/16/09 13:32	
367-12-4	2-Fluorophenol (S)	**55**	%	13-100		1	04/15/09 12:10	04/16/09 13:32	
118-79-6	2,4,6-Tribromophenol (S)	**79**	%	26-125		1	04/15/09 12:10	04/16/09 13:32	

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Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: MW-0702-S2(040909)
Lab ID: 5025166036
Collected: 04/09/09 15:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
83-32-9	Acenaphthene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:52	
208-96-8	Acenaphthylene	ND	ug/L	5.3	1.5	1	04/15/09 12:10	04/16/09 13:52	
98-86-2	Acetophenone	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
120-12-7	Anthracene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
1912-24-9	Atrazine	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
100-52-7	Benzaldehyde	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
56-55-3	Benzo(a)anthracene	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:52	
50-32-8	Benzo(a)pyrene	ND	ug/L	5.3	1.1	1	04/15/09 12:10	04/16/09 13:52	
205-99-2	Benzo(b)fluoranthene	ND	ug/L	5.3	0.86	1	04/15/09 12:10	04/16/09 13:52	
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
207-08-9	Benzo(k)fluoranthene	ND	ug/L	5.3	1.7	1	04/15/09 12:10	04/16/09 13:52	
92-52-4	Biphenyl (Diphenyl)	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
101-55-3	4-Bromophenylphenyl ether	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:52	
85-68-7	Butylbenzylphthalate	ND	ug/L	5.3	1.9	1	04/15/09 12:10	04/16/09 13:52	
105-60-2	Caprolactam	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
86-74-8	Carbazole	ND	ug/L	5.3	0.73	1	04/15/09 12:10	04/16/09 13:52	
106-47-8	4-Chloroaniline	ND	ug/L	10.5	1.1	1	04/15/09 12:10	04/16/09 13:52	
111-91-1	bis(2-Chloroethoxy)methane	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:52	
111-44-4	bis(2-Chloroethyl) ether	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:52	
91-58-7	2-Chloronaphthalene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
7005-72-3	4-Chlorophenylphenyl ether	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
218-01-9	Chrysene	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:52	
53-70-3	Dibenz(a,h)anthracene	ND	ug/L	5.3	1.1	1	04/15/09 12:10	04/16/09 13:52	
132-64-9	Dibenzofuran	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:52	
91-94-1	3,3'-Dichlorobenzidine	ND	ug/L	5.3	2.0	1	04/15/09 12:10	04/16/09 13:52	
84-66-2	Diethylphthalate	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:52	
131-11-3	Dimethylphthalate	ND	ug/L	5.3	2.5	1	04/15/09 12:10	04/16/09 13:52	
84-74-2	Di-n-butylphthalate	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:52	
121-14-2	2,4-Dinitrotoluene	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:52	
606-20-2	2,6-Dinitrotoluene	ND	ug/L	5.3	1.6	1	04/15/09 12:10	04/16/09 13:52	
117-84-0	Di-n-octylphthalate	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
206-44-0	Fluoranthene	ND	ug/L	5.3	1.5	1	04/15/09 12:10	04/16/09 13:52	
86-73-7	Fluorene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:52	
87-68-3	Hexachloro-1,3-butadiene	ND	ug/L	5.3	0.42	1	04/15/09 12:10	04/16/09 13:52	
118-74-1	Hexachlorobenzene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
77-47-4	Hexachlorocyclopentadiene	ND	ug/L	26.3	0.39	1	04/15/09 12:10	04/16/09 13:52	
67-72-1	Hexachloroethane	ND	ug/L	5.3	0.52	1	04/15/09 12:10	04/16/09 13:52	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:52	
78-59-1	Isophorone	ND	ug/L	5.3	1.8	1	04/15/09 12:10	04/16/09 13:52	
91-57-6	2-Methylnaphthalene	ND	ug/L	5.3	1.2	1	04/15/09 12:10	04/16/09 13:52	
91-20-3	Naphthalene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
88-74-4	2-Nitroaniline	ND	ug/L	21.1	1.2	1	04/15/09 12:10	04/16/09 13:52	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: MW-0702-S2(040909)
Lab ID: 5025166036
Collected: 04/09/09 15:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
99-09-2	3-Nitroaniline	ND	ug/L	21.1	1.1	1	04/15/09 12:10	04/16/09 13:52	
100-01-6	4-Nitroaniline	ND	ug/L	21.1	1.8	1	04/15/09 12:10	04/16/09 13:52	
98-95-3	Nitrobenzene	ND	ug/L	5.3	1.9	1	04/15/09 12:10	04/16/09 13:52	
621-64-7	N-Nitroso-di-n-propylamine	ND	ug/L	5.3	2.3	1	04/15/09 12:10	04/16/09 13:52	
86-30-6	N-Nitrosodiphenylamine	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.3	2.6	1	04/15/09 12:10	04/16/09 13:52	
85-01-8	Phenanthrene	ND	ug/L	5.3	1.4	1	04/15/09 12:10	04/16/09 13:52	
129-00-0	Pyrene	ND	ug/L	5.3	1.3	1	04/15/09 12:10	04/16/09 13:52	
4165-60-0	Nitrobenzene-d5 (S)	**83**	%	40-112		1	04/15/09 12:10	04/16/09 13:52	
321-60-8	2-Fluorobiphenyl (S)	**78**	%	31-114		1	04/15/09 12:10	04/16/09 13:52	
1718-51-0	Terphenyl-d14 (S)	**79**	%	10-116		1	04/15/09 12:10	04/16/09 13:52	
13127-88-3	Phenol-d6 (S)	**34**	%	10-100		1	04/15/09 12:10	04/16/09 13:52	
367-12-4	2-Fluorophenol (S)	**55**	%	13-100		1	04/15/09 12:10	04/16/09 13:52	
118-79-6	2,4,6-Tribromophenol (S)	**71**	%	26-125		1	04/15/09 12:10	04/16/09 13:52	

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REPORT OF LABORATORY ANALYSIS

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT/12552 **Prepared:** 04/15/09
Method(s): EPA 3510 / EPA 8270
Associated Lab Samples: 5025166034, 5025166035, 5025166036

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.0	2.5	04/16/09	
121-14-2	2,4-Dinitrotoluene	ND	ug/L	5.0	1.6	04/16/09	
606-20-2	2,6-Dinitrotoluene	ND	ug/L	5.0	1.5	04/16/09	
91-58-7	2-Chloronaphthalene	ND	ug/L	5.0	1.2	04/16/09	
91-57-6	2-Methylnaphthalene	ND	ug/L	5.0	1.1	04/16/09	
88-74-4	2-Nitroaniline	ND	ug/L	20.0	1.2	04/16/09	
91-94-1	3,3'-Dichlorobenzidine	ND	ug/L	5.0	1.9	04/16/09	
99-09-2	3-Nitroaniline	ND	ug/L	20.0	1.0	04/16/09	
101-55-3	4-Bromophenylphenyl ether	ND	ug/L	5.0	1.2	04/16/09	
106-47-8	4-Chloroaniline	ND	ug/L	10.0	1.0	04/16/09	
7005-72-3	4-Chlorophenylphenyl ether	ND	ug/L	5.0	1.3	04/16/09	
100-01-6	4-Nitroaniline	ND	ug/L	20.0	1.7	04/16/09	
83-32-9	Acenaphthene	ND	ug/L	5.0	1.4	04/16/09	
208-96-8	Acenaphthylene	ND	ug/L	5.0	1.4	04/16/09	
98-86-2	Acetophenone	ND	ug/L	5.0	2.5	04/16/09	
120-12-7	Anthracene	ND	ug/L	5.0	1.2	04/16/09	
1912-24-9	Atrazine	ND	ug/L	5.0	2.5	04/16/09	
100-52-7	Benzaldehyde	ND	ug/L	5.0	2.5	04/16/09	
56-55-3	Benzo(a)anthracene	ND	ug/L	5.0	1.7	04/16/09	
50-32-8	Benzo(a)pyrene	ND	ug/L	5.0	1.0	04/16/09	
205-99-2	Benzo(b)fluoranthene	ND	ug/L	5.0	0.82	04/16/09	
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	5.0	1.2	04/16/09	
207-08-9	Benzo(k)fluoranthene	ND	ug/L	5.0	1.6	04/16/09	
92-52-4	Biphenyl (Diphenyl)	ND	ug/L	5.0	2.5	04/16/09	
111-91-1	bis(2-Chloroethoxy)methane	ND	ug/L	5.0	1.6	04/16/09	
111-44-4	bis(2-Chloroethyl) ether	ND	ug/L	5.0	1.3	04/16/09	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	2.5	04/16/09	
85-68-7	Butylbenzylphthalate	ND	ug/L	5.0	1.8	04/16/09	
105-60-2	Caprolactam	ND	ug/L	5.0	2.5	04/16/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT/12552 **Prepared:** 04/15/09
Method(s): EPA 3510 / EPA 8270
Associated Lab Samples: 5025166034, 5025166035, 5025166036

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
86-74-8	Carbazole	ND	ug/L	5.0	0.69	04/16/09	
218-01-9	Chrysene	ND	ug/L	5.0	1.7	04/16/09	
84-74-2	Di-n-butylphthalate	ND	ug/L	5.0	1.7	04/16/09	
117-84-0	Di-n-octylphthalate	ND	ug/L	5.0	1.2	04/16/09	
53-70-3	Dibenz(a,h)anthracene	ND	ug/L	5.0	1.1	04/16/09	
132-64-9	Dibenzofuran	ND	ug/L	5.0	1.3	04/16/09	
84-66-2	Diethylphthalate	ND	ug/L	5.0	1.6	04/16/09	
131-11-3	Dimethylphthalate	ND	ug/L	5.0	2.4	04/16/09	
206-44-0	Fluoranthene	ND	ug/L	5.0	1.4	04/16/09	
86-73-7	Fluorene	ND	ug/L	5.0	1.3	04/16/09	
87-68-3	Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.40	04/16/09	
118-74-1	Hexachlorobenzene	ND	ug/L	5.0	1.2	04/16/09	
77-47-4	Hexachlorocyclopentadiene	ND	ug/L	25.0	0.37	04/16/09	
67-72-1	Hexachloroethane	ND	ug/L	5.0	0.49	04/16/09	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1.1	04/16/09	
78-59-1	Isophorone	ND	ug/L	5.0	1.8	04/16/09	
621-64-7	N-Nitroso-di-n-propylamine	ND	ug/L	5.0	2.2	04/16/09	
86-30-6	N-Nitrosodiphenylamine	ND	ug/L	5.0	1.2	04/16/09	
91-20-3	Naphthalene	ND	ug/L	5.0	1.3	04/16/09	
98-95-3	Nitrobenzene	ND	ug/L	5.0	1.8	04/16/09	
85-01-8	Phenanthrene	ND	ug/L	5.0	1.3	04/16/09	
129-00-0	Pyrene	ND	ug/L	5.0	1.2	04/16/09	

Type	Sample	Matrix
BLANK	286984	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT / 12552
Method(s): EPA 3510 / EPA 8270

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
286984	BLANK		1	81		95		59		92		37		87	
286985	LCS		1	81		87		59		89		38		84	
286986	MS		1	83		93		79		90		63		85	
286987	MSD		1	81	R1	89	R1	73	R1	89	R1	56	R1	82	R1
5025166034		EB-2(040909)RW	1	77		92		55		91		34		83	
5025166035		FD-2(040909)RW	1	79		87		55		90		34		83	
5025166036	OQS	MW-0702-S2(040909)	1	71		78		55		83		34		79	
			QC Limits:	26-125		31-114		13-100		40-112		10-100		10-116	

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d6 (S)
Sur 6: Terphenyl-d14 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT/12552 **LCS Prepared:** 04/15/09
Method(s): EPA 3510 / EPA 8270 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
2,2'-Oxybis(1-chloropropane)	79			50-150		100	78.9		ug/L	04/16/09			
2,4-Dinitrotoluene	92			39-129		100	91.7		ug/L	04/16/09			
2,6-Dinitrotoluene	91			45-143		100	90.6		ug/L	04/16/09			
2-Chloronaphthalene	84			33-136		100	83.7		ug/L	04/16/09			
2-Methylnaphthalene	79			34-112		100	79.0		ug/L	04/16/09			
2-Nitroaniline	90			44-136		100	90.3		ug/L	04/16/09			
3,3'-Dichlorobenzidine	135			15-133		100	135		ug/L	04/16/09		L0	
3-Nitroaniline	86			36-111		100	86.4		ug/L	04/16/09			
4-Bromophenylphenyl ether	89			25-145		100	89.1		ug/L	04/16/09			
4-Chloroaniline	47			10-139		100	47.3		ug/L	04/16/09			
4-Chlorophenylphenyl ether	89			46-132		100	89.3		ug/L	04/16/09			
4-Nitroaniline	83			34-162		100	83.1		ug/L	04/16/09			
Acenaphthene	89			40-116		100	89.1		ug/L	04/16/09			
Acenaphthylene	87			40-117		100	86.8		ug/L	04/16/09			
Acetophenone	81			50-150		100	81.0		ug/L	04/16/09			
Anthracene	93			43-128		100	92.7		ug/L	04/16/09			
Atrazine	126			50-150		100	126		ug/L	04/16/09			
Benzaldehyde	156			50-150		100	156		ug/L	04/16/09		L0	
Benzo(a)anthracene	98			51-120		100	98.4		ug/L	04/16/09			
Benzo(a)pyrene	92			36-132		100	91.6		ug/L	04/16/09			
Benzo(b)fluoranthene	96			37-130		100	95.8		ug/L	04/16/09			
Benzo(g,h,i)perylene	99			30-130		100	99.2		ug/L	04/16/09			
Benzo(k)fluoranthene	82			26-143		100	81.9		ug/L	04/16/09			
Biphenyl (Diphenyl)	86			50-150		100	85.8		ug/L	04/16/09			
bis(2-Chloroethoxy)methane	86			39-132		100	86.4		ug/L	04/16/09			
bis(2-Chloroethyl) ether	84			35-122		100	84.0		ug/L	04/16/09			
bis(2-Ethylhexyl)phthalate	86			51-149		100	86.1		ug/L	04/16/09			
Butylbenzylphthalate	86			47-148		100	86.5		ug/L	04/16/09			
Caprolactam	24			50-150		100	23.6		ug/L	04/16/09		L0	

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT/12552 **LCS Prepared:** 04/15/09
Method(s): EPA 3510 / EPA 8270 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
Carbazole	92			35-159		100	91.6		ug/L	04/16/09			
Chrysene	93			45-129		100	92.9		ug/L	04/16/09			
Di-n-butylphthalate	89			40-156		100	88.7		ug/L	04/16/09			
Di-n-octylphthalate	84			54-153		100	83.7		ug/L	04/16/09			
Dibenz(a,h)anthracene	100			30-129		100	99.8		ug/L	04/16/09			
Dibenzofuran	86			43-138		100	86.1		ug/L	04/16/09			
Diethylphthalate	88			51-144		100	88.2		ug/L	04/16/09			
Dimethylphthalate	90			46-140		100	90.1		ug/L	04/16/09			
Fluoranthene	92			47-126		100	91.7		ug/L	04/16/09			
Fluorene	88			42-121		100	88.4		ug/L	04/16/09			
Hexachloro-1,3-butadiene	71			14-118		100	71.1		ug/L	04/16/09			
Hexachlorobenzene	79			19-138		100	79.1		ug/L	04/16/09			
Hexachlorocyclopentadiene	63			10-120		100	62.9		ug/L	04/16/09			
Hexachloroethane	62			10-114		100	62.1		ug/L	04/16/09			
Indeno(1,2,3-cd)pyrene	102			30-129		100	102		ug/L	04/16/09			
Isophorone	89			39-131		100	88.9		ug/L	04/16/09			
N-Nitroso-di-n-propylamine	79			35-129		100	79.2		ug/L	04/16/09			
N-Nitrosodiphenylamine	115			28-146		100	115		ug/L	04/16/09			
Naphthalene	80			31-118		100	79.7		ug/L	04/16/09			
Nitrobenzene	85			37-122		100	84.6		ug/L	04/16/09			
Phenanthrene	94			45-124		100	94.0		ug/L	04/16/09			
Pyrene	95			44-126		100	94.7		ug/L	04/16/09			

Type	Sample
LCS	286985

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT/12552
Method(s): EPA 3510 / EPA 8270

MS Prepared: 04/15/09
MSD Prepared: 04/15/09

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
2,2'-Oxybis(1-chloropropane)	ug/L	ND	238	192	189	149	1	1	79	78	50-150	24	20	04/16/09	04/16/09		R1
2,4-Dinitrotoluene	ug/L	ND	238	192	222	171	1	1	93	89	40-121	26	20	04/16/09	04/16/09		R1
2,6-Dinitrotoluene	ug/L	ND	238	192	219	173	1	1	92	90	33-135	24	20	04/16/09	04/16/09		R1
2-Chloronaphthalene	ug/L	ND	238	192	214	167	1	1	90	87	23-133	25	20	04/16/09	04/16/09		R1
2-Methylnaphthalene	ug/L	ND	238	192	199	157	1	1	84	82	29-122	24	20	04/16/09	04/16/09		R1
2-Nitroaniline	ug/L	ND	238	192	213	170	1	1	89	88	31-126	23	20	04/16/09	04/16/09		R1
3,3'-Dichlorobenzidine	ug/L	ND	238	192	322	258	1	1	135	134	10-120	22	20	04/16/09	04/16/09	M0	R1
3-Nitroaniline	ug/L	ND	238	192	197	158	1	1	83	82	19-102	22	20	04/16/09	04/16/09		R1
4-Bromophenylphenyl ether	ug/L	ND	238	192	226	176	1	1	95	92	26-140	25	20	04/16/09	04/16/09		R1
4-Chloroaniline	ug/L	ND	238	192	98.1	79.2	1	1	41	41	10-120	21	20	04/16/09	04/16/09		R1
4-Chlorophenylphenyl ether	ug/L	ND	238	192	221	175	1	1	93	91	37-123	24	20	04/16/09	04/16/09		R1
4-Nitroaniline	ug/L	ND	238	192	196	155	1	1	82	80	10-173	24	20	04/16/09	04/16/09		R1
Acenaphthene	ug/L	ND	238	192	222	172	1	1	93	90	39-116	25	20	04/16/09	04/16/09		R1
Acenaphthylene	ug/L	ND	238	192	217	170	1	1	91	88	38-120	24	20	04/16/09	04/16/09		R1
Acetophenone	ug/L	ND	238	192	191	152	1	1	80	79	50-150	23	20	04/16/09	04/16/09		R1
Anthracene	ug/L	ND	238	192	230	179	1	1	97	93	39-130	25	20	04/16/09	04/16/09		R1
Atrazine	ug/L	ND	238	192	303	240	1	1	127	125	50-150	23	20	04/16/09	04/16/09		R1
Benzaldehyde	ug/L	ND	238	192	369	293	1	1	155	152	50-150	23	20	04/16/09	04/16/09	M0	R1
Benzo(a)anthracene	ug/L	ND	238	192	249	194	1	1	105	101	31-116	25	20	04/16/09	04/16/09		R1
Benzo(a)pyrene	ug/L	ND	238	192	224	176	1	1	94	92	10-106	24	20	04/16/09	04/16/09		R1
Benzo(b)fluoranthene	ug/L	ND	238	192	231	181	1	1	97	94	10-110	24	20	04/16/09	04/16/09		R1
Benzo(g,h,i)perylene	ug/L	ND	238	192	241	189	1	1	101	98	10-120	24	20	04/16/09	04/16/09		R1
Benzo(k)fluoranthene	ug/L	ND	238	192	210	160	1	1	88	83	10-114	27	20	04/16/09	04/16/09		R1
Biphenyl (Diphenyl)	ug/L	ND	238	192	219	169	1	1	92	88	50-150	26	20	04/16/09	04/16/09		R1
bis(2-Chloroethoxy)methane	ug/L	ND	238	192	205	164	1	1	86	85	33-123	22	20	04/16/09	04/16/09		R1
bis(2-Chloroethyl) ether	ug/L	ND	238	192	200	157	1	1	84	82	10-136	24	20	04/16/09	04/16/09		R1
bis(2-Ethylhexyl)phthalate	ug/L	ND	238	192	213	168	1	1	89	88	49-129	23	20	04/16/09	04/16/09		R1
Butylbenzylphthalate	ug/L	ND	238	192	220	170	1	1	92	88	40-136	26	20	04/16/09	04/16/09		R1
Caprolactam	ug/L	ND	238	192	102	70.6	1	1	43	37	50-150	37	20	04/16/09	04/16/09	M0	R1

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: OEXT/12552
Method(s): EPA 3510 / EPA 8270

MS Prepared: 04/15/09
MSD Prepared: 04/15/09

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
Carbazole	ug/L	ND	238	192	219	174	1	1	92	91	39-145	23	20	04/16/09	04/16/09		R1
Chrysene	ug/L	ND	238	192	231	181	1	1	97	94	26-121	24	20	04/16/09	04/16/09		R1
Di-n-butylphthalate	ug/L	ND	238	192	215	171	1	1	90	89	11-162	22	20	04/16/09	04/16/09		R1
Di-n-octylphthalate	ug/L	ND	238	192	208	162	1	1	87	84	46-142	25	20	04/16/09	04/16/09		R1
Dibenz(a,h)anthracene	ug/L	ND	238	192	251	192	1	1	105	100	10-120	26	20	04/16/09	04/16/09		R1
Dibenzofuran	ug/L	ND	238	192	214	166	1	1	90	86	22-136	25	20	04/16/09	04/16/09		R1
Diethylphthalate	ug/L	ND	238	192	212	164	1	1	89	85	36-137	25	20	04/16/09	04/16/09		R1
Dimethylphthalate	ug/L	ND	238	192	211	168	1	1	89	87	36-134	23	20	04/16/09	04/16/09		R1
Fluoranthene	ug/L	ND	238	192	227	176	1	1	95	91	41-126	25	20	04/16/09	04/16/09		R1
Fluorene	ug/L	ND	238	192	220	173	1	1	93	90	42-121	24	20	04/16/09	04/16/09		R1
Hexachloro-1,3-butadiene	ug/L	ND	238	192	205	156	1	1	86	81	22-115	27	20	04/16/09	04/16/09		R1
Hexachlorobenzene	ug/L	ND	238	192	194	151	1	1	82	78	24-119	25	20	04/16/09	04/16/09		R1
Hexachlorocyclopentadiene	ug/L	ND	238	192	170	144	1	1	71	75	14-120	16	20	04/16/09	04/16/09		R1
Hexachloroethane	ug/L	ND	238	192	165	130	1	1	69	67	12-116	24	20	04/16/09	04/16/09		R1
Indeno(1,2,3-cd)pyrene	ug/L	ND	238	192	254	195	1	1	107	101	10-120	26	20	04/16/09	04/16/09		R1
Isophorone	ug/L	ND	238	192	208	166	1	1	87	86	34-124	22	20	04/16/09	04/16/09		R1
N-Nitroso-di-n-propylamine	ug/L	ND	238	192	188	148	1	1	79	77	38-114	23	20	04/16/09	04/16/09		R1
N-Nitrosodiphenylamine	ug/L	ND	238	192	282	217	1	1	118	113	33-136	26	20	04/16/09	04/16/09		R1
Naphthalene	ug/L	ND	238	192	206	160	1	1	86	83	28-126	25	20	04/16/09	04/16/09		R1
Nitrobenzene	ug/L	ND	238	192	204	166	1	1	86	86	37-122	21	20	04/16/09	04/16/09		R1
Phenanthrene	ug/L	ND	238	192	231	181	1	1	97	94	43-126	24	20	04/16/09	04/16/09		R1
Pyrene	ug/L	ND	238	192	229	184	1	1	96	96	42-121	22	20	04/16/09	04/16/09		R1

Type	Sample	Client Sample ID
MS	286986	MW-0702-S2(040909)
MSD	286987	MW-0702-S2(040909)

REPORT OF LABORATORY ANALYSIS

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PACE - ORGANIC PREP BENCHSHEET

4/15/2009

12552

WATERS METHOD 3510

SOILS METHOD 3550

SOILS METHOD 3546

Method:	8270 TCLP 4/15 ED	Technician:	ED		H2O Bath:	-	Water:	-		MeCl2:	CY535
Surrogate Lot	F052E	Time Start:	1110		N-Evap:	390	Hexane:	-		Na2SO4:	G475995
Amount	1mL	Time Stop:	~~0930~~ 1500 4/15 ED		MeCl2:	-	Oil:	-		ACN:	-
Spike Lot:	F032A	Zymark:	-				NaOH:	F055B		H2SO4:	2642
Amount	1mL										

Sample #	Client	Type	Init_wt/vol	pH	pH	Extract	pH	Extract	Solvent Exchange	Final Volume	Matrix	Comments
286984	In-house QC Accou	BLANK	1000mL	7	<2	3x60mL	>11	3x60mL	-	1mL	WT	
286985	In-house QC Accou	LCS	1000mL			CH_2Cl_2		CH_2Cl_2			WT	
5025166034	Conestoga-Rovers a	PS	950mL								WT	
5025166035	Conestoga-Rovers a	PS	950mL								WT	
5025166036	Conestoga-Rovers a	OQS	950mL								WT	
286986	In-house QC Accou	MS	420mL								WT	
286987	In-house QC Accou	MSD	520mL								WT	
5025200005	Conestoga-Rovers a	PS	980mL								WT	

INSTRUMENT RUN LOG
Pace Analytical Services

50MSS2
040809.b

Instrument: 50MSS2.i
Column .50um DB-5ms 30m X 0.25mm He
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: H059L

Method: Semivolatile REPORT SW-846 Met
MeCl2 H057L
Surr. lot:
Cal. std: calibration

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/5050-a.D	5050	L/	SAMPLE	1	8270t	4/08/09	09:34	KES	
1/Mecl2-a.D	h057L	L/	SAMPLE	1	8270t	4/08/09	09:54	KES	
1/rec-test.D	rec-test	L/	CCALIB_6	1	8270t	4/08/09	10:14	KES	
1/df0408a.D	h059L - good	L/	DFTPP	1	dftpp	4/08/09	10:34	KES	
1/1ppm.D	h061a	L/	CALIB_1	1	8270t	4/08/09	10:54	KES	
1/5ppm.D	h061b	L/	CALIB_2	1	8270t	4/08/09	11:15	KES	
1/10ppm.D	h061c	L/	CALIB_3	1	8270t	4/08/09	11:35	KES	
1/20ppm.D	h061d	L/	CALIB_4	1	8270t	4/08/09	11:55	KES	
1/50ppm.D	50ppm	L/	CALIB_5	1	8270t	4/08/09	12:15	KES	
1/100ppm.D	100ppm	L/	CCALIB_6	1	8270t	4/08/09	12:36	KES	
1/150ppm.D	150ppm	L/	CALIB_7	1	8270t	4/08/09	12:56	KES	
1/175ppm.D	175ppm	L/	CALIB_8	1	8270t	4/08/09	13:16	KES	
1/200ppm.D	200ppm	L/	CALIB_9	1	8270t	4/08/09	13:36	KES	
1/ICV.D	h060e - ~~good~~	L/	LCS	1	8270t	4/08/09	13:57	KES	Fail may have been made wrong
1/284346b.D	284346	S/,2	BLANK	1	8270t	4/08/09	14:46	KES	
1/284347L.D	284347	S/,2,,3,LCS,soillcs.spk	LCS	1	8270t	4/08/09	15:06	KES	
1/5024867001r.D	5024867001	S/,2	SAMPLE	1	8270t	4/08/09	15:26	KES	
1/icv-b.D	h057k - good	L/	LCS	1	8270t	4/08/09	15:46	KES	Not all 80-120 but all 70-130
1/5025013004.D	5025013004	S/,2	SAMPLE	1	8270t	4/08/09	16:06	KES	
1/5025013003.D	5025013003	S/,2	SAMPLE	1	8270t	4/08/09	16:26	KES	
1/5025013001.D	5025013001	S/,2	SAMPLE	1	8270t	4/08/09	16:47	KES	
1/5024917001.D	5024917001	S/,2	SAMPLE	1	8270t	4/08/09	17:07	KES	
1/284348m.D	284348	S/,2,,3,MS,solid.spk	MS	1	8270t	4/08/09	17:27	KES	
1/284349d.D	284349	S/,2,,3,MSD,solid.spk	MSD	1	8270t	4/08/09	17:47	KES	
1/Mecl2-b.D	h057L	L/	SAMPLE	1	8270t	4/08/09	18:07	KES	

all good

KS 4/10/09

Changes made to 3+4 methylphenol calibration. This did not affect reported data KS 4/14/09

File Path 1: \\50wintarget\chem\50MSS2.i\040809.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:47 04/10/2009

Page: 1

50MSS2
~~041709.b~~ 4/21/09
041609.b

INSTRUMENT RUN LOG
Pace Analytical Services

Instrument: 50MSS2.i
Column .50um DB-5ms 30m X 0.25mm He
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: H059L

Method: Semivolatile REPORT SW-846 Met
MeCl2 H057L
Surr. lot:
Cal. std: H061f

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/Mecl2-a.D	h057L	L/	SAMPLE	1	8270t	4/16/09	08:50	KES	
1/Mecl2-b.D	h057L	L/	SAMPLE	1	8270t	4/16/09	09:09	KES	
1/df0416a.D	h059L	L/	DFTPP	1	dftpp	4/16/09	09:30	KES	good
1/100-a.D	h061f	L/	CCALIB_6	1	8270t	4/16/09	09:50	KES	good
1/5025215003.D	5025215003	L/,1,10	SAMPLE	10	8270t	4/16/09	10:10	KES	
1/287091b.D	287091	L/,1,,3,BLANK	BLANK	1	8270t	4/16/09	10:30	KES	
1/287092L.D	287092	L/,1,,3,LCS,tclplcs.spk	LCS	1	8270t	4/16/09	10:50	KES	
1/287093m.D	287093	L/,1,,3,MS,tclp	MS	1	8270t	4/16/09	11:10	KES	
1/5024920004.D	5024920004	L/,1	SAMPLE	1	8270t	4/16/09	11:31	KES	
1/286984b.D	286984	L/,1,,3,BLANK	BLANK	1	8270t	4/16/09	11:51	KES	
1/286985L.D	286985	L/,1,,3,LCS,tcllcs.spk	LCS	1	8270t	4/16/09	12:11	KES	
1/286986m.D	286986	L/,1,,3,MS,tcl.spk	MS	1	8270t	4/16/09	12:31	KES	
1/286987d.D	286987	L/,1,,3,MSD,tcl.spk	MSD	1	8270t	4/16/09	12:51	KES	
1/5025166034.D	5025166034	L/,1	SAMPLE	1	8270t	4/16/09	13:11	KES	
1/5025166035.D	5025166035	L/,1	SAMPLE	1	8270t	4/16/09	13:32	KES	
1/5025166036.D	5025166036	L/,1	SAMPLE	1	8270t	4/16/09	13:52	KES	
1/5025200005.D	5025200005	L/,1	SAMPLE	1	8270t	4/16/09	14:12	KES	
1/286790b.D	286790	S/,2,,3,BLANK	BLANK	1	8270t	4/16/09	14:32	KES	
1/286791L.D	286791	S/,2,,3,LCS,soillcs.spk	LCS	1	8270t	4/16/09	14:52	KES	
1/5025209004.D	5025209004	S/,2	SAMPLE	1	8270t	4/16/09	15:12	KES	
1/5025209008.D	5025209008	S/,2	SAMPLE	1	8270t	4/16/09	15:33	KES	
1/5025209012.D	5025209012	S/,2	SAMPLE	1	8270t	4/16/09	15:53	KES	
1/5025209014.D	5025209014	S/,2	SAMPLE	1	8270t	4/16/09	16:13	KES	
1/5025209016.D	5025209016	S/,2	SAMPLE	1	8270t	4/16/09	16:33	KES	
1/5025209018.D	5025209018	S/,2	SAMPLE	1	8270t	4/16/09	16:53	KES	
1/5025209020.D	5025209020	S/,2	SAMPLE	1	8270t	4/16/09	17:13	KES	
1/5025209003.D	5025209003	S/,2	SAMPLE	1	8270t	4/16/09	17:34	KES	
1/5025209006.D	5025209006	S/,2	SAMPLE	1	8270t	4/16/09	17:54	KES	
1/286792m.D	286792	S/,2,,3,MS,solid.spk	MS	1	8270t	4/16/09	18:14	KES	
1/286793d.D	286793	S/,2,,3,MSD,solid.spk	MSD	1	8270t	4/16/09	18:34	KES	
1/5025209017.D	5025209017	S/,2	SAMPLE	1	8270t	4/16/09	18:54	KES	
1/5025209001.D	5025209001	S/,2	SAMPLE	1	8270t	4/16/09	19:14	KES	
1/5025209002.D	5025209002	S/,2	SAMPLE	1	8270t	4/16/09	19:34	KES	

File Path 1: \\50wintarget\chem\50MSS2.i\041609.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:42 04/17/2009

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	132045	5.39	476075	6.71	281638	8.47
	UPPER LIMIT	264090	5.89	952150	7.21	563276	8.97
	LOWER LIMIT	66023	4.89	238038	6.21	140819	7.97
	EPA SAMPLE NO.						
01	286984	102670	5.39	362716	6.71	206463	8.47
02	286985	95070	5.39	331919	6.71	199838	8.47
03	286986	101839	5.38	350388	6.71	203560	8.47
04	286987	95454	5.39	330382	6.71	196743	8.47
05	034	97960	5.38	330914	6.71	189330	8.47
06	035	95089	5.39	318927	6.71	190897	8.47
07	036	89909	5.39	313353	6.71	190199	8.47
08	005	94037	5.38	327015	6.71	190635	8.47
09	008	102125	5.38	355390	6.70	209875	8.47
10	012	82576	5.38	294274	6.70	177325	8.47
11	014	94944	5.38	323153	6.70	183324	8.47
12	016	85183	5.38	298909	6.70	177870	8.47
13	018	85298	5.38	305781	6.70	186315	8.47
14	020	91241	5.38	303875	6.70	179110	8.47
15	003	94250	5.38	315585	6.70	186560	8.47
16	006	84647	5.38	290165	6.70	176987	8.47
17	286792	69023	5.38	243412	6.70	145394	8.47
18	286793	87304	5.38	297258	6.71	178271	8.47
19	017	89609	5.38	304585	6.71	176231	8.47
20	001	85193	5.38	291088	6.70	173665	8.47
21	002	85131	5.38	302652	6.71	182853	8.47
22	007	78177	5.39	263308	6.71	162570	8.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	132045	5.39	476075	6.71	281638	8.47
	UPPER LIMIT	264090	5.89	952150	7.21	563276	8.97
	LOWER LIMIT	66023	4.89	238038	6.21	140819	7.97
	EPA SAMPLE NO.						
01	009	86823	5.38	310673	6.71	185033	8.47
02	010	85208	5.39	303541	6.71	180477	8.47
03	011	82168	5.39	290469	6.71	177370	8.47
04	013	82985	5.39	287949	6.71	173551	8.47
05	005	84044	5.39	291269	6.71	175531	8.47
06	015	82426	5.39	286449	6.71	171421	8.47
07	019	84803	5.39	299006	6.71	177707	8.47
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	486545	9.92	638470	12.53	587604	13.84
	UPPER LIMIT	973090	10.42	1276940	13.03	1175208	14.34
	LOWER LIMIT	243273	9.42	319235	12.03	293802	13.34
	EPA SAMPLE NO.						
01	286984	368540	9.91	459096	12.52	450277	13.84
02	286985	357064	9.91	518853	12.52	497815	13.84
03	286986	360242	9.91	505539	12.52	489624	13.84
04	286987	348796	9.91	500282	12.52	484790	13.84
05	034	336978	9.91	428075	12.52	426104	13.84
06	035	339107	9.91	463119	12.52	472358	13.84
07	036	351780	9.91	476982	12.52	485450	13.84
08	005	334984	9.91	434262	12.52	435810	13.83
09	008	368309	9.91	448417	12.52	432325	13.83
10	012	330817	9.91	446085	12.52	447068	13.84
11	014	324069	9.91	417736	12.52	423101	13.83
12	016	324261	9.91	438902	12.52	443287	13.84
13	018	339824	9.91	454608	12.52	463293	13.83
14	020	320187	9.91	443493	12.52	453837	13.83
15	003	325645	9.91	433768	12.52	444987	13.83
16	006	324789	9.91	433189	12.52	454516	13.83
17	286792	268129	9.91	368798	12.52	371605	13.84
18	286793	321433	9.91	450825	12.52	457759	13.84
19	017	325400	9.91	444127	12.52	455577	13.84
20	001	323475	9.91	456637	12.52	486581	13.84
21	002	338229	9.91	468191	12.52	500111	13.84
22	007	301621	9.91	420912	12.52	443842	13.84

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	486545	9.92	638470	12.53	587604	13.84
	UPPER LIMIT	973090	10.42	1276940	13.03	1175208	14.34
	LOWER LIMIT	243273	9.42	319235	12.03	293802	13.34
	EPA SAMPLE NO.						
01	009	346782	9.91	490306	12.52	514433	13.84
02	010	335432	9.91	460561	12.52	484000	13.84
03	011	327314	9.91	468798	12.52	509980	13.84
04	013	321960	9.91	475187	12.52	503193	13.84
05	005	325032	9.91	456559	12.52	510457	13.84
06	015	316281	9.91	444021	12.52	492965	13.84
07	019	335974	9.91	465904	12.52	500253	13.84
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

Pace Analytical®
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SVOA 8270C
GC/MS Semi-volatiles

Section 2: Initial Calibration Data

** Initial Calibration Summary Table*
**DFTPP Tune Information*
** Initial Calibration Standards*
** ICV Standard*

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 5ms552 04/08/09

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

Pace Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Calibration File Names:
Level 1: \\50wintarget\chem\50MSS2.i\040809.b\1ppm.D
Level 2: \\50wintarget\chem\50MSS2.i\040809.b\5ppm.D
Level 3: \\50wintarget\chem\50MSS2.i\040809.b\10ppm.D
Level 4: \\50wintarget\chem\50MSS2.i\040809.b\20ppm.D
Level 5: \\50wintarget\chem\50MSS2.i\040809.b\50ppm.D
Level 6: \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Level 7: \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Level 8: \\50wintarget\chem\50MSS2.i\040809.b\175ppm.D
Level 9: \\50wintarget\chem\50MSS2.i\040809.b\200ppm.D

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
1 N-Nitrosodimethylamine	+++++	0.71163	0.73365	0.72193	0.77191	0.71620					
	0.70154	0.68098	0.72713				AVRG		0.72062		3.66397
2 Pyridine	+++++	1.16562	1.17264	1.24134	1.32743	1.23931					
	1.23271	1.20711	1.29021				AVRG		1.23455		4.45089
4 Benzaldehyde	+++++	0.32607	0.35209	0.35364	0.37667	0.34691					
	0.37143	0.37356	0.40486				AVRG		0.36315		6.54144

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Start Cal Date : 08-APR-2009 10:54
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Integrator : HP RTE
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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
6 Phenol	+++++	1.48122	1.46598	1.44004	1.58529	1.47606					
	1.49275	1.44050	1.50069				AVRG		1.48532		3.09800
7 bis(2-Chloroethyl)ether	+++++	1.11515	1.14467	1.16272	1.22053	1.11879					
	1.13630	1.09330	1.14375				AVRG		1.14190		3.35434
8 2-Chlorophenol	+++++	1.25979	1.23232	1.20684	1.37102	1.28465					
	1.29526	1.26937	1.34081				AVRG		1.28251		4.20239
9 1,3-Dichlorobenzene	+++++	1.45620	1.43209	1.45415	1.58930	1.48574					
	1.50280	1.46668	1.57562				AVRG		1.49532		3.87243
11 1,4-Dichlorobenzene	+++++	1.47213	1.49865	1.49617	1.63937	1.53782					
	1.55992	1.52445	1.63593				AVRG		1.54556		4.07084
12 Benzyl Alcohol	0.83923	0.58648	0.67482	0.67604	0.75505	0.71008					
	0.74680	0.74222	0.78136				AVRG		0.72357		10.03843
13 1,2-Dichlorobenzene	+++++	1.39265	1.40287	1.40579	1.51840	1.42946					
	1.45532	1.42725	1.50318				AVRG		1.44187		3.25397

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Methylphenol	+++++	1.11152	1.15627	1.13503	1.25667	1.18000					
	1.19350	1.15192	1.19582				AVRG		1.17259		3.80518
15 bis(2-Chloroisopropyl)ether	+++++	1.64891	1.65294	1.63752	1.70100	1.49832					
	1.42176	1.34048	1.36408				AVRG		1.53313		9.42477
16 2,2'-Oxybis(1-chloropropane)	+++++	1.64891	1.65294	1.63752	1.70100	1.49832					
	1.42176	1.34048	1.36408				AVRG		1.53313		9.42477
17 Acetophenone	+++++	1.82816	1.84843	1.77235	1.97717	1.82110					
	1.88732	1.82379	1.89428				AVRG		1.85657		3.35815
18 3&4-Methylphenol	+++++	1.13377	1.18898	1.18114	1.32178	1.22634					
	1.26071	1.22019	1.25782				AVRG		1.22384		4.71182
19 N-Nitroso-di-n-propylamine	+++++	1.01182	1.04051	1.01508	1.09519	0.99320					
	0.99541	0.94036	0.96084				AVRG		1.00655		4.73250
20 Hexachloroethane	+++++	0.61375	0.61850	0.62257	0.67581	0.63222					
	0.62897	0.60971	0.64794				AVRG		0.63118		3.42883

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Nitrobenzene	+++++	0.43114	0.42421	0.41741	0.44857	0.40879					
	0.39540	0.38860	0.41158				AVRG		0.41571		4.64057
23 Isophorone	+++++	0.69901	0.71877	0.69913	0.75409	0.70310					
	0.69858	0.69069	0.72771				AVRG		0.71139		2.96241
24 2-Nitrophenol	+++++	0.18323	0.18646	0.18958	0.20951	0.20309					
	0.20088	0.19751	0.20996				AVRG		0.19753		5.17132
25 2,4-Dimethylphenol	+++++	0.29041	0.29683	0.29914	0.32233	0.30892					
	0.30290	0.29572	0.31446				AVRG		0.30384		3.51606
26 bis(2-Chloroethoxy)methane	+++++	0.41393	0.40161	0.39230	0.42476	0.39411					
	0.38563	0.37404	0.39911				AVRG		0.39819		3.98089
27 Benzoic Acid	+++++	+++++	+++++	16594	76664	149696					
	258495	304795	328700				QUAD	0.22112	5.88370	-0.37325	0.99822
28 2,4-Dichlorophenol	+++++	0.28424	0.28765	0.29143	0.32706	0.31765					
	0.32014	0.31768	0.33715				AVRG		0.31038		6.39225

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
29 1,2,4-Trichlorobenzene	+++++	0.36798	0.36940	0.36484	0.39592	0.38499					
	0.38286	0.37445	0.40229				AVRG		0.38034		3.58308
31 Naphthalene	+++++	0.99774	0.98283	0.98228	1.05386	1.00812					
	1.00366	1.00105	1.06228				AVRG		1.01148		2.99414
32 4-Chloroaniline	+++++	0.37057	0.39754	0.39711	0.44474	0.42528					
	0.42104	0.40034	0.41331				AVRG		0.40874		5.49417
33 Hexachlorobutadiene	+++++	0.27137	0.25561	0.25787	0.28425	0.27913					
	0.27650	0.27406	0.29745				AVRG		0.27453		4.94613
34 Caprolactam	846	3298	10012	19038	55657	108589					
	174210	200390	220783				LINR	0.04516	0.11449		0.99973
35 4-Chloro-3-methylphenol	+++++	0.28603	0.30310	0.29772	0.33344	0.31608					
	0.32391	0.31709	0.33295				AVRG		0.31379		5.40727
36 2-Methylnaphthalene	+++++	0.73138	0.72119	0.71447	0.76637	0.73860					
	0.74623	0.73967	0.78566				AVRG		0.74295		3.14902

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
37 Hexachlorocyclopentadiene	0.62163	0.46730	0.47645	0.49150	0.57722	0.56416					
	0.57413	0.56047	+++++				AVRG		0.54161		10.32092
38 2,4,6-Trichlorophenol	+++++	0.39659	0.39394	0.40095	0.44422	0.42911					
	0.42837	0.41712	0.45542				AVRG		0.42072		5.38163
39 2,4,5-Trichlorophenol	+++++	0.42334	0.43750	0.44141	0.49981	0.48127					
	0.48093	0.46553	0.50683				AVRG		0.46708		6.52073
41 Biphenyl (Diphenyl)	+++++	1.47819	1.45860	1.44164	1.61989	1.52908					
	1.48133	1.46529	1.56245				AVRG		1.50456		4.05879
42 2-Chloronaphthalene	+++++	1.20053	1.19063	1.17914	1.28942	1.23278					
	1.19879	1.18630	1.27246				AVRG		1.21876		3.42791
43 2-Nitroaniline	+++++	0.36881	0.37927	0.36952	0.41504	0.38176					
	0.36917	0.36218	0.38023				AVRG		0.37825		4.32886
44 Dimethylphthalate	+++++	1.35772	1.36557	1.31066	1.46576	1.39924					
	1.42087	1.38036	1.47261				AVRG		1.39660		3.94789

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
45 Acenaphthylene	+++++	1.75595	1.79526	1.75845	1.93683	1.85109					
	1.87134	1.81157	1.96766				AVRG		1.84352		4.26148
46 2,6-Dinitrotoluene	+++++	0.27687	0.29870	0.28520	0.33235	0.31594					
	0.32469	0.32008	0.33746				AVRG		0.31141		7.10827
48 3-Nitroaniline	+++++	0.28945	0.29588	0.30246	0.34599	0.32709					
	0.33623	0.32312	0.34265				AVRG		0.32036		6.81246
49 Acenaphthene	+++++	1.10603	1.13718	1.11430	1.23275	1.16697					
	1.16060	1.14602	1.23290				AVRG		1.16209		4.15735
50 2,4-Dinitrophenol	+++++	893	6085	15235	62275	133919					
	236817	270890	299043				LINR	0.20241	0.24845		0.99816
51 4-Nitrophenol	1336	5508	15506	27423	84357	163496					
	264393	295295	325006				LINR	0.01551	0.26263		0.99901
52 Dibenzofuran	+++++	1.65853	1.71332	1.62652	1.84215	1.75740					
	1.76511	1.72171	1.84452				AVRG		1.74116		4.49318

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
53 2,4-Dinitrotoluene	+++++	0.35285	0.40347	0.38231	0.44580	0.42570					
	0.44809	0.43382	0.46417				AVRG		0.41953		8.93270
54 Diethylphthalate	+++++	1.42693	1.44068	1.36181	1.52546	1.44550					
	1.46801	1.41858	1.49414				AVRG		1.44764		3.43679
55 Fluorene	+++++	1.36791	1.40538	1.32928	1.54948	1.48241					
	1.47853	1.42725	1.53143				AVRG		1.44646		5.36237
56 4-Chlorophenyl-phenylether	+++++	0.71005	0.73839	0.72255	0.83123	0.80597					
	0.81671	0.79137	0.85242				AVRG		0.78359		6.79485
57 4-Nitroaniline	2132	7041	19513	33426	103006	201262					
	344907	392014	423141				LINR	0.04815	0.34458		0.99921
58 4,6-Dinitro-2-methylphenol	788	4368	13842	27624	95933	192578					
	336004	386381	427904				LINR	0.10455	0.18688		0.99768
59 N-Nitrosodiphenylamine	+++++	0.47980	0.50045	0.50735	0.55578	0.53830					
	0.53639	0.53078	0.58048				AVRG		0.52867		6.07260

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
60 1,2-Diphenylhydrazine	+++++	0.86202	0.84276	0.84145	0.88443	0.81726					
	0.81728	0.77653	0.87091				AVRG		0.83908		4.14781
62 4-Bromophenyl-phenylether	+++++	0.26327	0.25743	0.26109	0.29463	0.29738					
	0.30820	0.30311	0.33207				AVRG		0.28965		9.19018
63 Hexachlorobenzene	4776	15187	36917	65649	203490	419887					
	742932	860052	957196				LINR	0.09783	0.41463		0.99657
64 Atrazine	+++++	0.15566	0.15568	0.16043	0.18347	0.17756					
	0.17900	0.17261	0.18162				AVRG		0.17075		6.85493
65 Pentachlorophenol	+++++	5024	15365	32831	111680	233691					
	424836	496493	548233				LINR	0.18063	0.24247		0.99635
67 Phenanthrene	+++++	1.08234	1.07360	1.08526	1.21176	1.15954					
	1.17096	1.13158	1.20688				AVRG		1.14024		4.89011
68 Anthracene	+++++	1.10249	1.12366	1.12292	1.25656	1.20233					
	1.22578	1.19300	1.26272				AVRG		1.18618		5.29381

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
69 Carbazole	+++++	0.99702	0.99958	1.00844	1.12910	1.08599					
	1.10592	1.07439	1.14725				AVRG		1.06846		5.60235
70 Di-n-butylphthalate	+++++	1.20488	1.26547	1.25240	1.41614	1.34091					
	1.36727	1.31424	1.38719				AVRG		1.31856		5.53162
71 Fluoranthene	+++++	1.21899	1.24741	1.23454	1.43299	1.37494					
	1.42373	1.38312	1.44285				AVRG		1.34482		7.08063
72 Benzidine	1279	2689	9180	11235	37452	93351					
	+++++	+++++	+++++				LINR	0.08038	0.08297		0.98783
73 Pyrene	+++++	1.27413	1.31572	1.30161	1.50064	1.45077					
	1.49698	1.43984	1.52477				AVRG		1.41306		7.10355
75 Butylbenzylphthalate	+++++	0.39802	0.41235	0.41302	0.46780	0.44053					
	0.42512	0.41127	0.44877				AVRG		0.42711		5.47092
76 Benzo(a)anthracene	+++++	0.95354	0.95327	0.99274	1.11465	1.07407					
	1.04747	1.01116	1.08132				AVRG		1.02853		5.86890

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
77 3,3'-Dichlorobenzidine	+++++	0.29845	0.30719	0.29158	0.30771	0.29049					
	0.31162	0.29500	0.31898				AVRG		0.30263		3.39719
79 Chrysene	+++++	0.98169	0.94203	0.95517	1.04259	1.02372					
	0.98498	0.94696	1.02594				AVRG		0.98788		3.94278
80 bis(2-Ethylhexyl)phthalate	0.76430	0.52563	0.57441	0.57845	0.65944	0.63399					
	0.62191	0.59033	0.64210				AVRG		0.62117		10.89513
81 Di-n-octylphthalate	15303	50122	141026	239059	799786	1564688					
	2844120	3218036	+++++				LINR	0.02210	1.12447		0.99954
82 Benzo(b)fluoranthene	20006	64611	162987	263900	917706	1676435					
	3186322	3949216	+++++				LINR	0.05821	1.32550		0.99560
83 Benzo(k)fluoranthene	19747	63885	172487	296058	900740	2015110					
	3750221	3823438	+++++				LINR	0.03641	1.41103		0.99407
84 Benzo(a)pyrene	17037	54791	140704	241008	774516	1568540					
	2957748	3264263	+++++				LINR	0.03520	1.15116		0.99933

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86 Indeno(1,2,3-cd)pyrene	+++++	60569	157655	271944	916839	1906343					
	+++++	+++++	+++++				LINR	0.07036	1.40860		0.99908
87 Dibenz(a,h)anthracene	+++++	52328	130364	225738	777072	1637674					
	+++++	+++++	+++++				LINR	0.07870	1.21197		0.99871
88 Benzo(g,h,i)perylene	+++++	55541	134520	230771	734111	1501810					
	+++++	+++++	+++++				LINR	0.04771	1.10107		0.99942
$ 3 2-Fluorophenol (S)	+++++	1.14955	1.10247	1.14170	1.23051	1.13594					
	1.12835	1.10585	1.17002				AVRG		1.14555		3.56411
$ 5 Phenol-d6 (S)	+++++	1.34931	1.41942	1.42829	1.53532	1.43895					
	1.46240	1.41237	1.48002				AVRG		1.44076		3.77754
$ 21 Nitrobenzene-d5 (S)	+++++	0.43575	0.41859	0.42165	0.45596	0.41775					
	0.40790	0.40071	0.42758				AVRG		0.42324		4.03690
$ 40 2-Fluorobiphenyl (S)	+++++	1.43687	1.40129	1.35848	1.54034	1.45549					
	1.42525	1.38601	1.53371				AVRG		1.44218		4.56494

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Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
$ 61 2,4,6-Tribromophenol (S)	1881	6472	15386	29500	92197	195038					
	360367	426602	484346				LINR	0.15676	0.20859		0.99215
$ 74 Terphenyl-d14 (S)	13164	43627	111590	189087	607779	1232286					
	2168055	2470922	2635838				LINR	0.06467	1.16678		0.99905

KS 4/17/09

Pace Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Pace Analytical Services

Data file : \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D
Lab Smp Id: h059L Client Smp ID: DFTPP
Inj Date : 08-APR-2009 10:34
Operator : KES Inst ID: 50MSS2.i
Smp Info : h059L
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\dftpp.m
Meth Date : 01-Apr-2009 15:59 ksullivan Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.280	10.100	(0.000)	198	55895			0.00- 100.00	100.00
10.280	10.100	(0.000)	51	23145			30.00- 60.00	41.41
10.280	10.100	(0.000)	68	260			0.00- 2.00	0.99
10.280	10.100	(0.000)	69	26288			0.00- 0.00	47.03
10.280	10.100	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
10.280	10.100	(0.000)	127	29529			40.00- 60.00	52.83
10.280	10.100	(0.000)	197	229			0.00- 1.00	0.41
10.280	10.100	(0.000)	199	3964			5.00- 9.00	7.09
10.280	10.100	(0.000)	275	16209			10.00- 30.00	29.00
10.280	10.100	(0.000)	365	2786			1.00- 0.00	4.98
10.280	10.100	(0.000)	441	4871			0.01- 99.99	75.46
10.280	10.100	(0.000)	442	32899			40.00- 0.00	58.86
10.280	10.100	(0.000)	443	6455			17.00- 23.00	19.62

Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

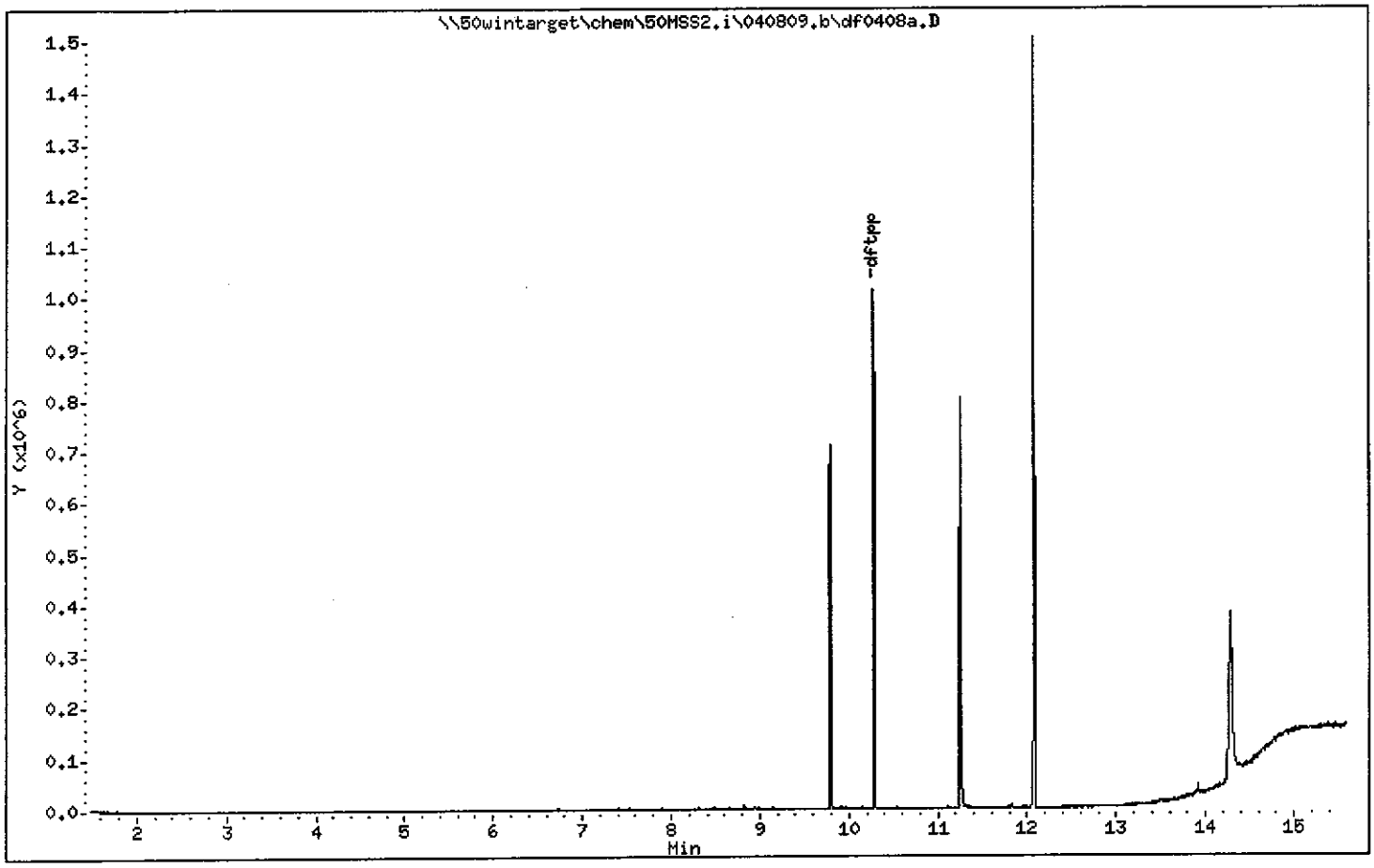
Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

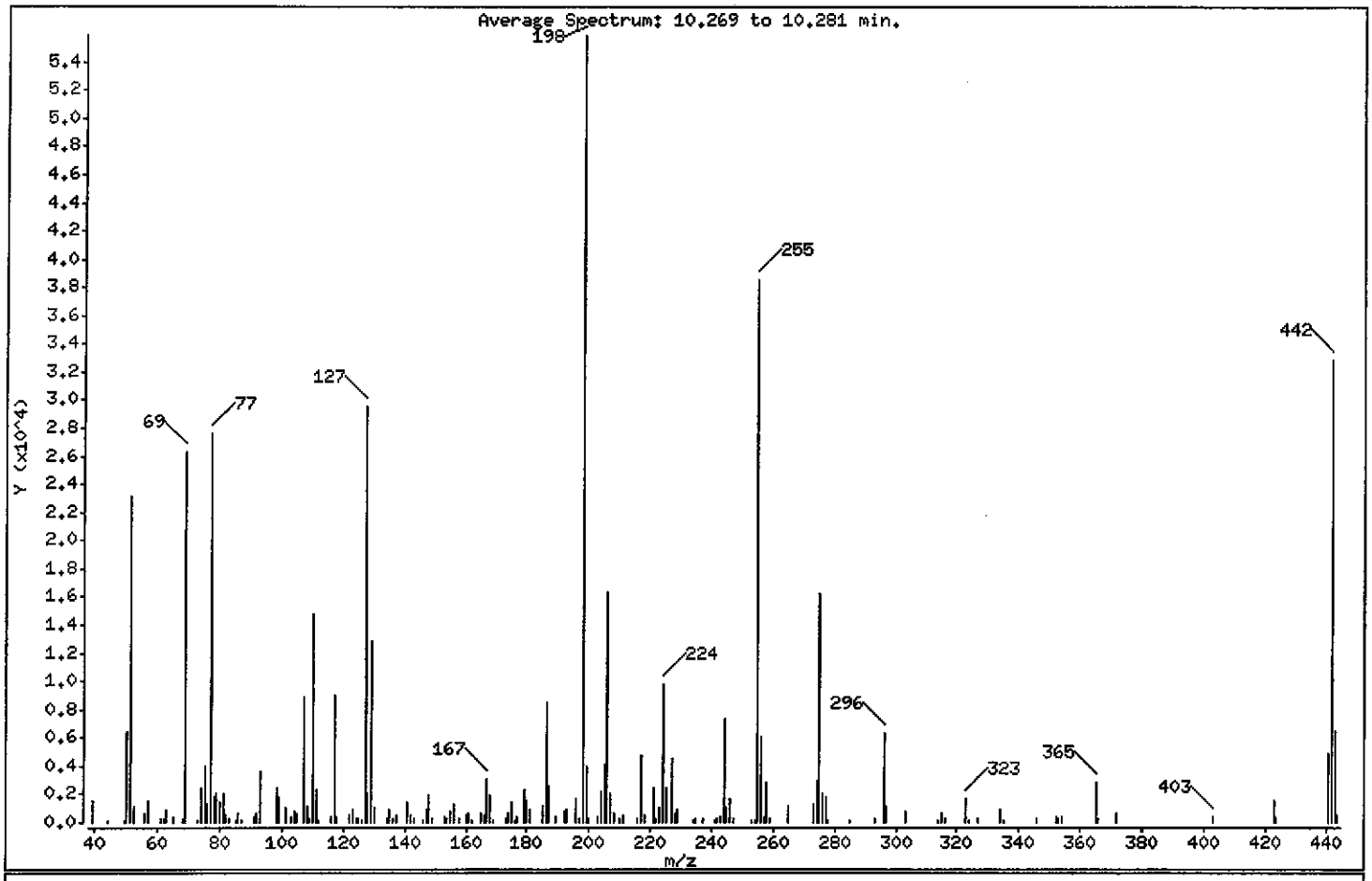
Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.41
68	Less than 2.00% of mass 69	0.47 (0.99)
69	Mass 69 relative abundance	47.03
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	52.83
197	Less than 1.00% of mass 198	0.41
199	5.00 - 9.00% of mass 198	7.09
275	10.00 - 30.00% of mass 198	29.00
365	Greater than 1.00% of mass 198	4.98
441	Present, but less than mass 443	8.71
442	Greater than 40.00% of mass 198	58.86
443	17.00 - 23.00% of mass 442	11.55 (19.62)

Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0408a.D
Spectrum: Average Spectrum: 10.269 to 10.281 min.
Location of Maximum: 198.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1601	116.00	350	181.00	860	255.00	38544
44.00	178	117.00	8949	185.00	1141	256.00	6028
49.00	175	118.00	374	186.00	8446	257.00	378
50.00	6420	122.00	561	187.00	2559	258.00	2839
51.00	23144	123.00	948	189.00	383	259.00	279
52.00	1118	124.00	264	192.00	730	265.00	1169
56.00	639	125.00	236	193.00	893	273.00	1253
57.00	1483	126.00	168	196.00	1712	274.00	2996
61.00	202	127.00	29528	197.00	229	275.00	16209
62.00	234	128.00	2028	198.00	55888	276.00	2080
63.00	858	129.00	12836	199.00	3964	277.00	1764
65.00	432	130.00	1010	200.00	267	278.00	176
68.00	260	134.00	305	203.00	336	285.00	181
69.00	26288	135.00	940	204.00	2211	293.00	291
73.00	171	136.00	245	205.00	4080	296.00	6347
74.00	2504	137.00	495	206.00	16259	297.00	1166
75.00	3975	141.00	1467	207.00	2107	303.00	752
76.00	1294	142.00	509	208.00	589	314.00	177
77.00	27600	143.00	255	210.00	211	315.00	673
78.00	1804	146.00	186	211.00	547	316.00	264
79.00	2049	147.00	857	216.00	277	323.00	1666
80.00	1406	148.00	1937	217.00	4722	324.00	187
81.00	2009	149.00	280	218.00	504	327.00	280
82.00	494	153.00	353	221.00	2504	334.00	929
83.00	256	154.00	212	222.00	212	335.00	184
85.00	186	155.00	775	223.00	964	346.00	261
86.00	586	156.00	1313	224.00	9782	352.00	405
87.00	173	158.00	239	225.00	2402	353.00	234
91.00	440	160.00	543	227.00	4439	354.00	372
92.00	580	161.00	666	228.00	679	365.00	2786
93.00	3548	162.00	172	229.00	924	366.00	299
98.00	2484	165.00	593	234.00	168	372.00	633
99.00	1812	166.00	477	235.00	196	403.00	357
101.00	1004	167.00	3132	237.00	220	423.00	1558
103.00	364	168.00	1932	241.00	177	424.00	276

Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0408a.D
Spectrum: Average Spectrum: 10.269 to 10.281 min.
Location of Maximum: 198.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	789	169.00	188	242.00	291	441.00	4871
105.00	692	173.00	258	243.00	373	442.00	32896
107.00	8918	174.00	646	244.00	7288	443.00	6455
108.00	1151	175.00	1417	245.00	1012	444.00	465
109.00	256	176.00	176	246.00	1627		
110.00	14811	177.00	339	247.00	254		
111.00	2275	179.00	2262	253.00	170		
112.00	166	180.00	1541	254.00	166		

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\1ppm.D
Lab Smp Id: h061a
Inj Date : 08-APR-2009 10:54
Operator : KES Inst ID: 50MSS2.i
Smp Info : 1ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	3145	1.00000	1.58(H)
	2 Pyridine	79	1.957	1.927	(0.364)	3458	1.00000	1.02(M)
$	3 2-Fluorophenol (S)	112	3.933	3.927	(0.731)	4440	1.00000	1.41
	4 Benzaldehyde	77	4.910	4.910	(0.913)	1272	1.00000	1.27(M)
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	5966	1.00000	1.50
	6 Phenol	94	5.098	5.098	(0.948)	6175	1.00000	1.51
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	4711	1.00000	1.50
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	4770	1.00000	1.35
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	6255	1.00000	1.52
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	110148	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	6245	1.00000	1.47
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	2311	1.00000	1.16
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	5553	1.00000	1.40
	14 2-Methylphenol	108	5.727	5.721	(1.064)	4579	1.00000	1.42
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	6962	1.00000	1.65
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	6962	1.00000	1.65
	17 Acetophenone	105	5.845	5.845	(1.086)	7206	1.00000	1.41
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	4730	1.00000	1.40
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	3869	1.00000	1.40(M)
	20 Hexachloroethane	117	5.915	5.915	(1.099)	2552	1.00000	1.47
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	6265	1.00000	1.50
	22 Nitrobenzene	77	6.021	6.021	(0.898)	6329	1.00000	1.55
	23 Isophorone	82	6.262	6.257	(0.934)	10647	1.00000	1.52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	2521	1.00000	1.30
	25 2,4-Dimethylphenol	122	6.409	6.409	(0.956)	4465	1.00000	1.49
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	5801	1.00000	1.48(M)
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	4182	1.00000	1.37
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	5577	1.00000	1.49
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	393565	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	15173	1.00000	1.52
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	3998	1.00000	0.994
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	4268	1.00000	1.58
	34 Caprolactam	113	7.186	7.162	(1.072)	846	1.00000	2.56(M)
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	3950	1.00000	1.28
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	10954	1.00000	1.50
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	3633	1.00000	1.15
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	3285	1.00000	1.34
	39 2,4,5-Trichlorophenol	196	7.774	7.780	(0.918)	3465	1.00000	1.27
$	40 2-Fluorobiphenyl (S)	172	7.804	7.803	(0.922)	12607	1.00000	1.50
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	12971	1.00000	1.48
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	10385	1.00000	1.46
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	3046	1.00000	1.38
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	11804	1.00000	1.45(M)
	45 Acenaphthylene	152	8.315	8.315	(0.982)	15554	1.00000	1.44
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	2172	1.00000	1.19
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	233771	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	2511	1.00000	1.34(M)
	49 Acenaphthene	153	8.498	8.498	(1.003)	9796	1.00000	1.44
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	1336	1.00000	1.49(M)
	52 Dibenzofuran	168	8.651	8.650	(1.022)	15104	1.00000	1.48
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	2545	1.00000	1.04
	54 Diethylphthalate	149	8.945	8.945	(1.056)	13807	1.00000	1.63
	55 Fluorene	166	8.992	8.992	(1.062)	11924	1.00000	1.41
	56 4-Chlorophenyl-phenylether	204	8.992	8.992	(1.062)	6367	1.00000	1.39
	57 4-Nitroaniline	138	9.062	9.062	(1.070)	2132	1.00000	2.98
	58 4,6-Dinitro-2-methylphenol	198	9.103	9.103	(0.919)	788	1.00000	4.58(M)
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	7799	1.00000	1.41
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	13401	1.00000	1.52
$	61 2,4,6-Tribromophenol (S)	330	9.250	9.250	(0.934)	1881	1.00000	7.13
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	3921	1.00000	1.29
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	4776	1.00000	5.01
	64 Atrazine	200	9.680	9.680	(0.977)	2490	1.00000	1.39
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	764	1.00000	7.52(M)
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	419337	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	17118	1.00000	1.43
	68 Anthracene	178	9.968	9.968	(1.007)	17199	1.00000	1.38
	69 Carbazole	167	10.139	10.139	(1.024)	15334	1.00000	1.37
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	17898	1.00000	1.29
	71 Fluoranthene	202	11.097	11.097	(1.121)	18606	1.00000	1.32
	72 Benzidine	184	11.244	11.244	(1.135)	1279	1.00000	4.68(M)
	73 Pyrene	202	11.315	11.315	(1.143)	19485	1.00000	1.32
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	13164	1.00000	3.66
	75 Butylbenzylphthalate	149	11.997	11.997	(0.959)	7687	1.00000	1.41
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	19659	1.00000	1.49
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	5653	1.00000	1.46
*	78 Chrysene-d12	240	12.515	12.515	(1.000)	511789	40.0000	
	79 Chrysene	228	12.539	12.538	(1.002)	18545	1.00000	1.47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	9779	1.00000	1.23(M)
81 Di-n-octylphthalate	149	13.138	13.138	(0.950)	15303	1.00000	2.00
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	20006	1.00000	3.56
83 Benzo(k)fluoranthene	252	13.515	13.515	(0.977)	19747	1.00000	2.60(H)
84 Benzo(a)pyrene	252	13.774	13.780	(0.996)	17037	1.00000	2.62
* 85 Perylene-d12	264	13.827	13.827	(1.000)	489292	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	18939	1.00000	3.91
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	16007	1.00000	4.23
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	17326	1.00000	3.19

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 1ppm.D
Lab Smp Id: h061a
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	110148	2.45
30 Naphthalene-d8	397045	198523	794090	393565	-0.88
47 Acenaphthene-d10	249088	124544	498176	233771	-6.15
66 Phenanthrene-d10	451720	225860	903440	419337	-7.17
78 Chrysene-d12	618598	309299	1237196	511789	-17.27
85 Perylene-d12	555611	277806	1111222	489292	-11.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061a
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	1.58	
110-86-1	Pyridine	1.02	
100-52-7	Benzaldehyde	1.27	
108-95-2	Phenol	1.51	
111-44-4	bis(2-Chloroethyl)ether	1.50	
95-57-8	2-Chlorophenol	1.35	
541-73-1	1,3-Dichlorobenzene	1.52	
106-46-7	1,4-Dichlorobenzene	1.47	
100-51-6	Benzyl Alcohol	1.16	
95-50-1	1,2-Dichlorobenzene	1.40	
95-48-7	2-Methylphenol	1.42	
39638-32-9	bis(2-Chloroisopropyl)ether	1.65	
108-60-1	2,2'-Oxybis(1-chloropropane)	1.65	
98-86-2	Acetophenone	1.41	
	3&4-Methylphenol	1.40	
621-64-7	N-Nitroso-di-n-propylamine	1.40	
67-72-1	Hexachloroethane	1.47	
98-95-3	Nitrobenzene	1.55	
78-59-1	Isophorone	1.52	
88-75-5	2-Nitrophenol	1.30	
105-67-9	2,4-Dimethylphenol	1.49	
111-91-1	bis(2-Chloroethoxy)methane	1.48	
120-83-2	2,4-Dichlorophenol	1.37	
120-82-1	1,2,4-Trichlorobenzene	1.49	
91-20-3	Naphthalene	1.52	
106-47-8	4-Chloroaniline	0.994	
87-68-3	Hexachlorobutadiene	1.58	
10-60-2	Caprolactam	2.56	
59-50-7	4-Chloro-3-methylphenol	1.28	
91-57-6	2-Methylnaphthalene	1.50	
77-47-4	Hexachlorocyclopentadiene	1.15	
88-06-2	2,4,6-Trichlorophenol	1.34	
95-95-4	2,4,5-Trichlorophenol	1.27	
92-52-4	Biphenyl (Diphenyl)	1.48	
91-58-7	2-Chloronaphthalene	1.46	
88-74-4	2-Nitroaniline	1.38	
131-11-3	Dimethylphthalate	1.45	
208-96-8	Acenaphthylene	1.44	
606-20-2	2,6-Dinitrotoluene	1.19	
99-09-2	3-Nitroaniline	1.34	
83-32-9	Acenaphthene	1.44	
100-02-7	4-Nitrophenol	1.49	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061a
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

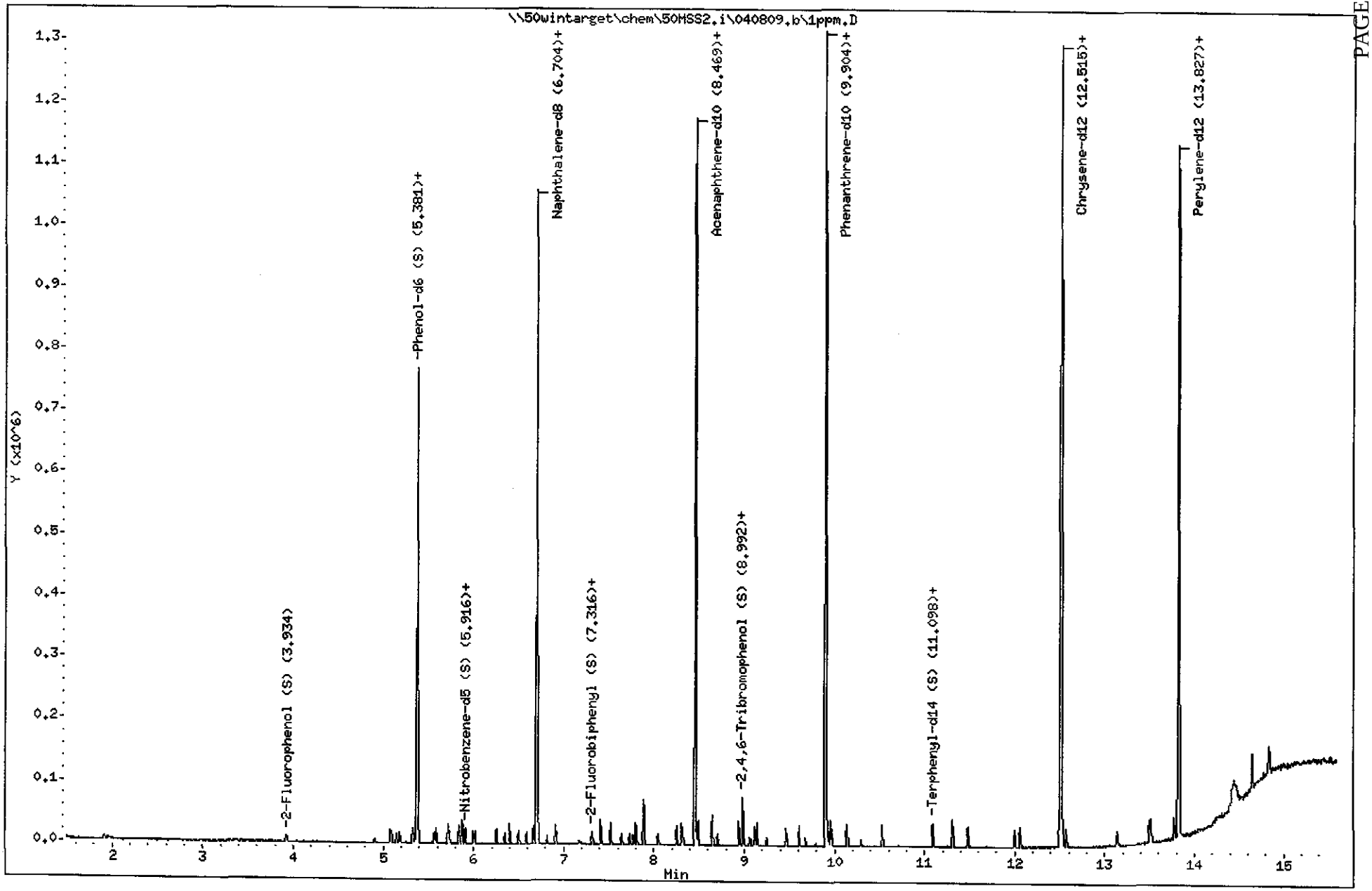
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
132-64-9	Dibenzofuran	1.48	
121-14-2	2,4-Dinitrotoluene	1.04	
84-66-2	Diethylphthalate	1.63	
86-73-7	Fluorene	1.41	
7005-72-3	4-Chlorophenyl-phenylether	1.39	
100-01-6	4-Nitroaniline	2.98	
534-52-1	4,6-Dinitro-2-methylphenol	4.58	
86-30-6	N-Nitrosodiphenylamine	1.41	
122-66-7	1,2-Diphenylhydrazine	1.52	
101-55-3	4-Bromophenyl-phenylether	1.29	
118-74-1	Hexachlorobenzene	5.01	
1912-24-9	Atrazine	1.39	
87-86-5	Pentachlorophenol	7.52	
85-01-8	Phenanthrene	1.43	
120-12-7	Anthracene	1.38	
86-74-8	Carbazole	1.37	
84-74-2	Di-n-butylphthalate	1.29	
206-44-0	Fluoranthene	1.32	
92-87-5	Benzidine	4.68	
129-00-0	Pyrene	1.32	
85-68-7	Butylbenzylphthalate	1.41	
56-55-3	Benzo(a)anthracene	1.49	
91-94-1	3,3'-Dichlorobenzidine	1.46	
218-01-9	Chrysene	1.47	
117-81-7	bis(2-Ethylhexyl)phthalate	1.23	
117-84-0	Di-n-octylphthalate	2.00	
205-99-2	Benzo(b)fluoranthene	3.56	
207-08-9	Benzo(k)fluoranthene	2.60	
50-32-8	Benzo(a)pyrene	2.62	
193-39-5	Indeno(1,2,3-cd)pyrene	3.91	
53-70-3	Dibenz(a,h)anthracene	4.23	
191-24-2	Benzo(g,h,i)perylene	3.19	
367-12-4	2-Fluorophenol (S)	1.41	
13127-88-3	Phenol-d6 (S)	1.50	
4165-60-0	Nitrobenzene-d5 (S)	1.50	
321-60-8	2-Fluorobiphenyl (S)	1.50	
	2,4,6-Tribromophenol (S)	7.13	
98904-43-9	Terphenyl-d14 (S)	3.66	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\1ppm.D
Date : 08-APR-2009 10:54
Client ID:
Sample Info: 1ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i

Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\5ppm.D
Lab Smp Id: h061b
Inj Date : 08-APR-2009 11:15
Operator : KES Inst ID: 50MSS2.i
Smp Info : 5ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	9786	5.00000	4.94(H)
	2 Pyridine	79	1.927	1.927	(0.358)	16029	5.00000	4.72
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	15808	5.00000	5.02
	4 Benzaldehyde	77	4.910	4.910	(0.913)	4484	5.00000	4.49(M)
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	18555	5.00000	4.68
	6 Phenol	94	5.098	5.098	(0.948)	20369	5.00000	4.99
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	15335	5.00000	4.88
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	17324	5.00000	4.91
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	20025	5.00000	4.87
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	110012	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	20244	5.00000	4.76
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	8065	5.00000	4.05
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	19151	5.00000	4.83
	14 2-Methylphenol	108	5.721	5.721	(1.063)	15285	5.00000	4.74
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	22675	5.00000	5.38
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	22675	5.00000	5.38
	17 Acetophenone	105	5.845	5.845	(1.086)	25140	5.00000	4.92
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	15591	5.00000	4.63
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	13914	5.00000	5.03
	20 Hexachloroethane	117	5.915	5.915	(1.099)	8440	5.00000	4.86
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	20690	5.00000	5.15
	22 Nitrobenzene	77	6.021	6.021	(0.898)	20471	5.00000	5.18
	23 Isophorone	82	6.257	6.257	(0.933)	33190	5.00000	4.91

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	8700	5.00000	4.64
	25 2,4-Dimethylphenol	122	6.409	6.409	(0.956)	13789	5.00000	4.78
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	19654	5.00000	5.20
	27 Benzoic Acid	122	6.486	6.486	(0.968)	656	5.00000	9.25(M)
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	13496	5.00000	4.58
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	17472	5.00000	4.84
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	379851	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	47374	5.00000	4.93
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	17595	5.00000	4.53
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	12885	5.00000	4.94
	34 Caprolactam	113	7.162	7.162	(1.068)	3298	5.00000	4.84
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	13581	5.00000	4.56
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	34727	5.00000	4.92
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	13119	5.00000	4.31
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	11134	5.00000	4.71
	39 2,4,5-Trichlorophenol	196	7.780	7.780	(0.919)	11885	5.00000	4.53
$	40 2-Fluorobiphenyl (S)	172	7.803	7.803	(0.922)	40339	5.00000	4.98
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	41499	5.00000	4.91
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	33704	5.00000	4.92
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	10354	5.00000	4.88
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	38117	5.00000	4.86(M)
	45 Acenaphthylene	152	8.315	8.315	(0.982)	49297	5.00000	4.76
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	7773	5.00000	4.44
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	224594	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	8126	5.00000	4.52(M)
	49 Acenaphthene	153	8.498	8.498	(1.003)	31051	5.00000	4.76
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	893	5.00000	8.74(M)
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	5508	5.00000	4.36(M)
	52 Dibenzofuran	168	8.650	8.650	(1.022)	46562	5.00000	4.76
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	9906	5.00000	4.20
	54 Diethylphthalate	149	8.945	8.945	(1.056)	40060	5.00000	4.93
	55 Fluorene	166	8.992	8.992	(1.062)	38403	5.00000	4.73
	56 4-Chlorophenyl-phenylether	204	8.992	8.992	(1.062)	19934	5.00000	4.53
	57 4-Nitroaniline	138	9.062	9.062	(1.070)	7041	5.00000	5.56
	58 4,6-Dinitro-2-methylphenol	198	9.103	9.103	(0.919)	4368	5.00000	6.54
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	23738	5.00000	4.54
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	42648	5.00000	5.14
$	61 2,4,6-Tribromophenol (S)	330	9.250	9.250	(0.934)	6472	5.00000	9.41
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	13025	5.00000	4.54
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	15187	5.00000	7.61
	64 Atrazine	200	9.680	9.680	(0.977)	7701	5.00000	4.56
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	5024	5.00000	9.32
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	395796	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	53548	5.00000	4.75
	68 Anthracene	178	9.968	9.968	(1.007)	54545	5.00000	4.65
	69 Carbazole	167	10.139	10.139	(1.024)	49327	5.00000	4.66
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	59611	5.00000	4.57
	71 Fluoranthene	202	11.097	11.097	(1.121)	60309	5.00000	4.53
	72 Benzidine	184	11.244	11.244	(1.135)	2689	5.00000	6.49(M)
	73 Pyrene	202	11.315	11.315	(1.143)	63037	5.00000	4.51
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	43627	5.00000	6.36
	75 Butylbenzylphthalate	149	11.997	11.997	(0.959)	24196	5.00000	4.66
	76 Benzo(a)anthracene	228	12.491	12.491	(0.998)	57967	5.00000	4.64
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	18143	5.00000	4.93

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	486331	40.0000	
79 Chrysene	228	12.538	12.538	(1.002)	59678	5.00000	4.97
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	31954	5.00000	4.23
81 Di-n-octylphthalate	149	13.138	13.138	(0.950)	50122	5.00000	4.68
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	64611	5.00000	6.48
83 Benzo(k)fluoranthene	252	13.515	13.515	(0.977)	63885	5.00000	5.31(MH)
84 Benzo(a)pyrene	252	13.780	13.780	(0.997)	54791	5.00000	5.46
* 85 Perylene-d12	264	13.827	13.827	(1.000)	469445	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	60569	5.00000	6.48
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	52328	5.00000	6.83
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	55541	5.00000	6.21

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5ppm.D
Lab Smp Id: h061b
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	110012	2.32
30 Naphthalene-d8	397045	198523	794090	379851	-4.33
47 Acenaphthene-d10	249088	124544	498176	224594	-9.83
66 Phenanthrene-d10	451720	225860	903440	395796	-12.38
78 Chrysene-d12	618598	309299	1237196	486331	-21.38
85 Perylene-d12	555611	277806	1111222	469445	-15.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061b
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	4.94	
110-86-1	Pyridine	4.72	
100-52-7	Benzaldehyde	4.49	
108-95-2	Phenol	4.99	
111-44-4	bis(2-Chloroethyl)ether	4.88	
95-57-8	2-Chlorophenol	4.91	
541-73-1	1,3-Dichlorobenzene	4.87	
106-46-7	1,4-Dichlorobenzene	4.76	
100-51-6	Benzyl Alcohol	4.05	
95-50-1	1,2-Dichlorobenzene	4.83	
95-48-7	2-Methylphenol	4.74	
39638-32-9	bis(2-Chloroisopropyl)ether	5.38	
108-60-1	2,2'-Oxybis(1-chloropropane)	5.38	
98-86-2	Acetophenone	4.92	
	3&4-Methylphenol	4.63	
621-64-7	N-Nitroso-di-n-propylamine	5.03	
67-72-1	Hexachloroethane	4.86	
98-95-3	Nitrobenzene	5.18	
78-59-1	Isophorone	4.91	
88-75-5	2-Nitrophenol	4.64	
105-67-9	2,4-Dimethylphenol	4.78	
111-91-1	bis(2-Chloroethoxy)methane	5.20	
65-85-0	Benzoic Acid	9.25	
120-83-2	2,4-Dichlorophenol	4.58	
120-82-1	1,2,4-Trichlorobenzene	4.84	
91-20-3	Naphthalene	4.93	
106-47-8	4-Chloroaniline	4.53	
87-68-3	Hexachlorobutadiene	4.94	
10-60-2	Caprolactam	4.84	
59-50-7	4-Chloro-3-methylphenol	4.56	
91-57-6	2-Methylnaphthalene	4.92	
77-47-4	Hexachlorocyclopentadiene	4.31	
88-06-2	2,4,6-Trichlorophenol	4.71	
95-95-4	2,4,5-Trichlorophenol	4.53	
92-52-4	Biphenyl (Diphenyl)	4.91	
91-58-7	2-Chloronaphthalene	4.92	
88-74-4	2-Nitroaniline	4.88	
131-11-3	Dimethylphthalate	4.86	
208-96-8	Acenaphthylene	4.76	
606-20-2	2,6-Dinitrotoluene	4.44	
99-09-2	3-Nitroaniline	4.52	
83-32-9	Acenaphthene	4.76	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061b
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

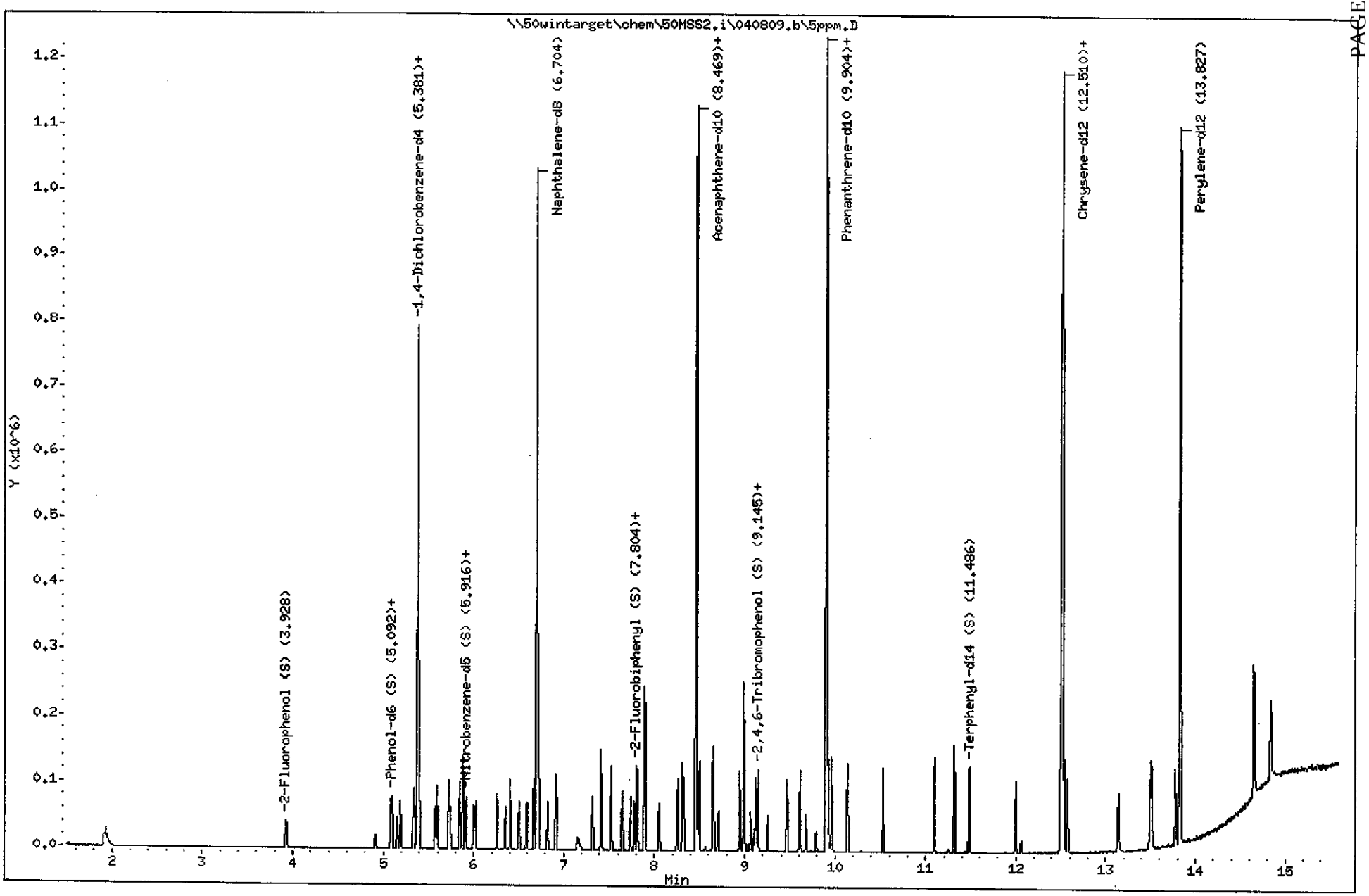
Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	8.74	
100-02-7	4-Nitrophenol	4.36	
132-64-9	Dibenzofuran	4.76	
121-14-2	2,4-Dinitrotoluene	4.20	
84-66-2	Diethylphthalate	4.93	
86-73-7	Fluorene	4.73	
7005-72-3	4-Chlorophenyl-phenylether	4.53	
100-01-6	4-Nitroaniline	5.56	
534-52-1	4,6-Dinitro-2-methylphenol	6.54	
86-30-6	N-Nitrosodiphenylamine	4.54	
122-66-7	1,2-Diphenylhydrazine	5.14	
101-55-3	4-Bromophenyl-phenylether	4.54	
118-74-1	Hexachlorobenzene	7.61	
1912-24-9	Atrazine	4.56	
87-86-5	Pentachlorophenol	9.32	
85-01-8	Phenanthrene	4.75	
120-12-7	Anthracene	4.65	
86-74-8	Carbazole	4.66	
84-74-2	Di-n-butylphthalate	4.57	
206-44-0	Fluoranthene	4.53	
92-87-5	Benzidine	6.49	
129-00-0	Pyrene	4.51	
85-68-7	Butylbenzylphthalate	4.66	
56-55-3	Benzo(a)anthracene	4.64	
91-94-1	3,3'-Dichlorobenzidine	4.93	
218-01-9	Chrysene	4.97	
117-81-7	bis(2-Ethylhexyl)phthalate	4.23	
117-84-0	Di-n-octylphthalate	4.68	
205-99-2	Benzo(b)fluoranthene	6.48	
207-08-9	Benzo(k)fluoranthene	5.31	
50-32-8	Benzo(a)pyrene	5.46	
193-39-5	Indeno(1,2,3-cd)pyrene	6.48	
53-70-3	Dibenz(a,h)anthracene	6.83	
191-24-2	Benzo(g,h,i)perylene	6.21	
367-12-4	2-Fluorophenol (S)	5.02	
13127-88-3	Phenol-d6 (S)	4.68	
4165-60-0	Nitrobenzene-d5 (S)	5.15	
321-60-8	2-Fluorobiphenyl (S)	4.98	
	2,4,6-Tribromophenol (S)	9.41	
98904-43-9	Terphenyl-d14 (S)	6.36	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\5ppm.D
Date : 08-APR-2009 11:15
Client ID:
Sample Info: 5ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i

Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\10ppm.D
Lab Smp Id: h061c
Inj Date : 08-APR-2009 11:35
Operator : KES Inst ID: 50MSS2.i
Smp Info : 10ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	20566	10.0000	10.18(H)
2 Pyridine	79	1.922	1.927	(0.357)	32872	10.0000	9.50
$ 3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	30905	10.0000	9.62
4 Benzaldehyde	77	4.910	4.910	(0.913)	9870	10.0000	9.70(M)
$ 5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	39790	10.0000	9.85
6 Phenol	94	5.098	5.098	(0.948)	41095	10.0000	9.87
7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	32088	10.0000	10.02
8 2-Chlorophenol	128	5.192	5.192	(0.965)	34545	10.0000	9.61
9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	40145	10.0000	9.58
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	112130	40.0000	
11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	42011	10.0000	9.70
12 Benzyl Alcohol	108	5.574	5.574	(1.036)	18917	10.0000	9.33
13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	39326	10.0000	9.73
14 2-Methylphenol	108	5.721	5.721	(1.063)	32413	10.0000	9.86
15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	46336	10.0000	10.78
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	46336	10.0000	10.78
17 Acetophenone	105	5.845	5.845	(1.086)	51816	10.0000	9.96
18 3&4-Methylphenol	108	5.880	5.880	(1.093)	33330	10.0000	9.72
19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	29168	10.0000	10.34
20 Hexachloroethane	117	5.916	5.915	(1.099)	17338	10.0000	9.80
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	43650	10.0000	9.89
22 Nitrobenzene	77	6.021	6.021	(0.898)	44236	10.0000	10.20
23 Isophorone	82	6.257	6.257	(0.933)	74953	10.0000	10.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	19444	10.0000	9.44
	25 2,4-Dimethylphenol	122	6.410	6.409	(0.956)	30953	10.0000	9.77
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	41880	10.0000	10.09
	27 Benzoic Acid	122	6.498	6.486	(0.969)	4817	10.0000	11.56
	28 2,4-Dichlorophenol	162	6.586	6.592	(0.982)	29996	10.0000	9.27
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	38521	10.0000	9.71
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	417118	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	102489	10.0000	9.72
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	41455	10.0000	9.72
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	26655	10.0000	9.31
	34 Caprolactam	113	7.151	7.162	(1.067)	10012	10.0000	10.19
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	31607	10.0000	9.66
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	75205	10.0000	9.71
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	30745	10.0000	8.80
	38 2,4,6-Trichlorophenol	196	7.733	7.739	(0.913)	25421	10.0000	9.36
	39 2,4,5-Trichlorophenol	196	7.774	7.780	(0.918)	28232	10.0000	9.37
$	40 2-Fluorobiphenyl (S)	172	7.804	7.803	(0.922)	90425	10.0000	9.72
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	94123	10.0000	9.69
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	76831	10.0000	9.77
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	24474	10.0000	10.03
	44 Dimethylphthalate	163	8.257	8.256	(0.975)	88120	10.0000	9.78(M)
	45 Acenaphthylene	152	8.315	8.315	(0.982)	115848	10.0000	9.74
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	19275	10.0000	9.59
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	258119	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	19093	10.0000	9.24(M)
	49 Acenaphthene	153	8.498	8.498	(1.003)	73382	10.0000	9.78
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	6085	10.0000	11.89(M)
	51 4-Nitrophenol	109	8.639	8.645	(1.020)	15506	10.0000	9.77
	52 Dibenzofuran	168	8.651	8.650	(1.022)	110560	10.0000	9.84
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	26036	10.0000	9.62
	54 Diethylphthalate	149	8.945	8.945	(1.056)	92967	10.0000	9.95
	55 Fluorene	166	8.992	8.992	(1.062)	90689	10.0000	9.72
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	47648	10.0000	9.42
	57 4-Nitroaniline	138	9.062	9.062	(1.070)	19513	10.0000	10.70
	58 4,6-Dinitro-2-methylphenol	198	9.098	9.103	(0.919)	13842	10.0000	10.36
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	60038	10.0000	9.47
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	101103	10.0000	10.04
$	61 2,4,6-Tribromophenol (S)	330	9.251	9.250	(0.934)	15386	10.0000	12.42
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	30883	10.0000	8.89
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	36917	10.0000	11.33
	64 Atrazine	200	9.680	9.680	(0.977)	18677	10.0000	9.12
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	15365	10.0000	12.51
*	66 Phenanthrene-d10	188	9.904	9.903	(1.000)	479869	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	128797	10.0000	9.42
	68 Anthracene	178	9.968	9.968	(1.007)	134802	10.0000	9.47
	69 Carbazole	167	10.139	10.139	(1.024)	119917	10.0000	9.36
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	151815	10.0000	9.60
	71 Fluoranthene	202	11.098	11.097	(1.121)	149648	10.0000	9.28
	72 Benzidine	184	11.245	11.244	(1.135)	9180	10.0000	12.44
	73 Pyrene	202	11.315	11.315	(1.143)	157843	10.0000	9.31
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	111590	10.0000	10.56
	75 Butylbenzylphthalate	149	11.998	11.997	(0.959)	66356	10.0000	9.65
	76 Benzo(a)anthracene	228	12.492	12.491	(0.998)	153401	10.0000	9.27
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	49433	10.0000	10.15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	643681	40.0000	
79 Chrysene	228	12.539	12.538	(1.002)	151592	10.0000	9.54
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	92435	10.0000	9.25
81 Di-n-octylphthalate	149	13.139	13.138	(0.950)	141026	10.0000	9.13
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	162987	10.0000	10.41
83 Benzo(k)fluoranthene	252	13.521	13.515	(0.978)	172487	10.0000	9.49(H)
84 Benzo(a)pyrene	252	13.780	13.780	(0.997)	140704	10.0000	9.44
* 85 Perylene-d12	264	13.827	13.827	(1.000)	608375	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	157655	10.0000	10.17
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	130364	10.0000	10.22
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	134520	10.0000	9.94

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 10ppm.D
Lab Smp Id: h061c
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	112130	4.29
30 Naphthalene-d8	397045	198523	794090	417118	5.06
47 Acenaphthene-d10	249088	124544	498176	258119	3.63
66 Phenanthrene-d10	451720	225860	903440	479869	6.23
78 Chrysene-d12	618598	309299	1237196	643681	4.05
85 Perylene-d12	555611	277806	1111222	608375	9.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061c
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	10.18	
110-86-1	Pyridine	9.50	
100-52-7	Benzaldehyde	9.70	
108-95-2	Phenol	9.87	
111-44-4	bis(2-Chloroethyl)ether	10.02	
95-57-8	2-Chlorophenol	9.61	
541-73-1	1,3-Dichlorobenzene	9.58	
106-46-7	1,4-Dichlorobenzene	9.70	
100-51-6	Benzyl Alcohol	9.33	
95-50-1	1,2-Dichlorobenzene	9.73	
95-48-7	2-Methylphenol	9.86	
39638-32-9	bis(2-Chloroisopropyl)ether	10.78	
108-60-1	2,2'-Oxybis(1-chloropropane)	10.78	
98-86-2	Acetophenone	9.96	
	3&4-Methylphenol	9.72	
621-64-7	N-Nitroso-di-n-propylamine	10.34	
67-72-1	Hexachloroethane	9.80	
98-95-3	Nitrobenzene	10.20	
78-59-1	Isophorone	10.10	
88-75-5	2-Nitrophenol	9.44	
105-67-9	2,4-Dimethylphenol	9.77	
111-91-1	bis(2-Chloroethoxy)methane	10.09	
65-85-0	Benzoic Acid	11.56	
120-83-2	2,4-Dichlorophenol	9.27	
120-82-1	1,2,4-Trichlorobenzene	9.71	
91-20-3	Naphthalene	9.72	
106-47-8	4-Chloroaniline	9.72	
87-68-3	Hexachlorobutadiene	9.31	
10-60-2	Caprolactam	10.19	
59-50-7	4-Chloro-3-methylphenol	9.66	
91-57-6	2-Methylnaphthalene	9.71	
77-47-4	Hexachlorocyclopentadiene	8.80	
88-06-2	2,4,6-Trichlorophenol	9.36	
95-95-4	2,4,5-Trichlorophenol	9.37	
92-52-4	Biphenyl (Diphenyl)	9.69	
91-58-7	2-Chloronaphthalene	9.77	
88-74-4	2-Nitroaniline	10.03	
131-11-3	Dimethylphthalate	9.78	
208-96-8	Acenaphthylene	9.74	
606-20-2	2,6-Dinitrotoluene	9.59	
99-09-2	3-Nitroaniline	9.24	
83-32-9	Acenaphthene	9.78	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061c
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

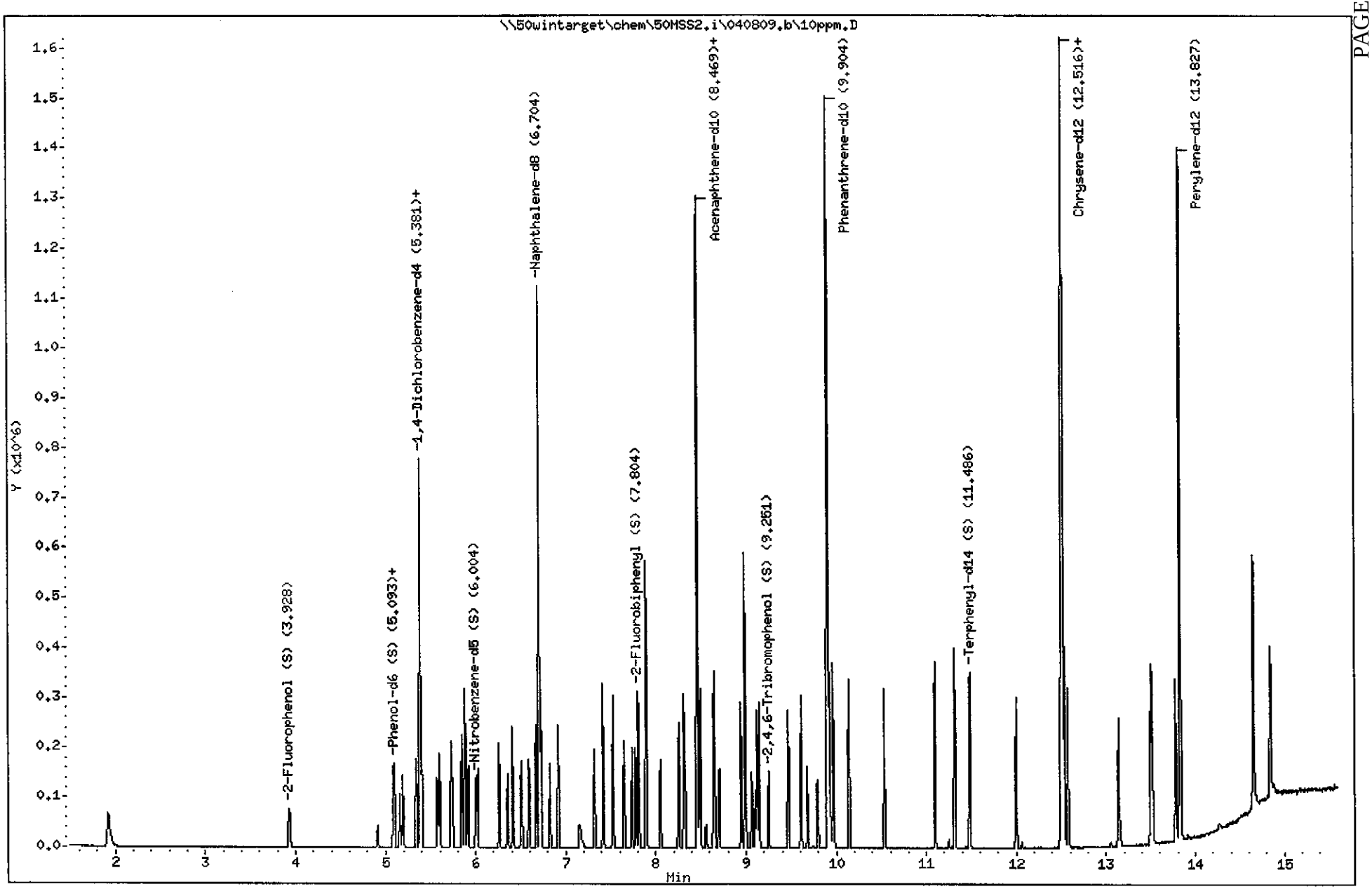
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	11.89	
100-02-7	4-Nitrophenol	9.77	
132-64-9	Dibenzofuran	9.84	
121-14-2	2,4-Dinitrotoluene	9.62	
84-66-2	Diethylphthalate	9.95	
86-73-7	Fluorene	9.72	
7005-72-3	4-Chlorophenyl-phenylether	9.42	
100-01-6	4-Nitroaniline	10.70	
534-52-1	4,6-Dinitro-2-methylphenol	10.36	
86-30-6	N-Nitrosodiphenylamine	9.47	
122-66-7	1,2-Diphenylhydrazine	10.04	
101-55-3	4-Bromophenyl-phenylether	8.89	
118-74-1	Hexachlorobenzene	11.33	
1912-24-9	Atrazine	9.12	
87-86-5	Pentachlorophenol	12.51	
85-01-8	Phenanthrene	9.42	
120-12-7	Anthracene	9.47	
86-74-8	Carbazole	9.36	
84-74-2	Di-n-butylphthalate	9.60	
206-44-0	Fluoranthene	9.28	
92-87-5	Benzidine	12.44	
129-00-0	Pyrene	9.31	
85-68-7	Butylbenzylphthalate	9.65	
56-55-3	Benzo(a)anthracene	9.27	
91-94-1	3,3'-Dichlorobenzidine	10.15	
218-01-9	Chrysene	9.54	
117-81-7	bis(2-Ethylhexyl)phthalate	9.25	
117-84-0	Di-n-octylphthalate	9.13	
205-99-2	Benzo(b)fluoranthene	10.41	
207-08-9	Benzo(k)fluoranthene	9.49	
50-32-8	Benzo(a)pyrene	9.44	
193-39-5	Indeno(1,2,3-cd)pyrene	10.17	
53-70-3	Dibenz(a,h)anthracene	10.22	
191-24-2	Benzo(g,h,i)perylene	9.94	
367-12-4	2-Fluorophenol (S)	9.62	
13127-88-3	Phenol-d6 (S)	9.85	
4165-60-0	Nitrobenzene-d5 (S)	9.89	
321-60-8	2-Fluorobiphenyl (S)	9.72	
	2,4,6-Tribromophenol (S)	12.42	
98904-43-9	Terphenyl-d14 (S)	10.56	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\10ppm.D
Date : 08-APR-2009 11:35
Client ID:
Sample Info: 10ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\20ppm.D
Lab Smp Id: h061d
Inj Date : 08-APR-2009 11:55
Operator : KES Inst ID: 50MSS2.i
Smp Info : 20ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	37979	20.0000	20.04(H)
2 Pyridine	79	1.916	1.927	(0.356)	65304	20.0000	20.11(M)
$ 3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	60062	20.0000	19.93
4 Benzaldehyde	77	4.910	4.910	(0.913)	18604	20.0000	19.48
$ 5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	75139	20.0000	19.83
6 Phenol	94	5.098	5.098	(0.948)	75757	20.0000	19.39
7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	61168	20.0000	20.36
8 2-Chlorophenol	128	5.192	5.192	(0.965)	63489	20.0000	18.82
9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	76499	20.0000	19.45
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	105215	40.0000	
11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	78710	20.0000	19.36
12 Benzyl Alcohol	108	5.574	5.574	(1.036)	35565	20.0000	18.69
13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	73955	20.0000	19.50
14 2-Methylphenol	108	5.727	5.721	(1.064)	59711	20.0000	19.36
15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	86146	20.0000	21.36
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	86146	20.0000	21.36
17 Acetophenone	105	5.845	5.845	(1.086)	93239	20.0000	19.09
18 3&4-Methylphenol	108	5.880	5.880	(1.093)	62137	20.0000	19.30
19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	53401	20.0000	20.17
20 Hexachloroethane	117	5.915	5.915	(1.099)	32752	20.0000	19.73
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	80767	20.0000	19.92
22 Nitrobenzene	77	6.021	6.021	(0.898)	79954	20.0000	20.08(M)
23 Isophorone	82	6.257	6.257	(0.933)	133917	20.0000	19.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	36313	20.0000	19.20
	25 2,4-Dimethylphenol	122	6.410	6.409	(0.956)	57300	20.0000	19.69
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	75144	20.0000	19.70
	27 Benzoic Acid	122	6.510	6.486	(0.971)	16594	20.0000	19.01
	28 2,4-Dichlorophenol	162	6.586	6.592	(0.982)	55823	20.0000	18.78
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	69885	20.0000	19.18
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	383097	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	188154	20.0000	19.42
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	76066	20.0000	19.43
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	49395	20.0000	18.79
	34 Caprolactam	113	7.151	7.162	(1.067)	19038	20.0000	19.17
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	57027	20.0000	18.98
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	136856	20.0000	19.23
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	58023	20.0000	18.15
	38 2,4,6-Trichlorophenol	196	7.733	7.739	(0.913)	47333	20.0000	19.06
	39 2,4,5-Trichlorophenol	196	7.780	7.780	(0.919)	52109	20.0000	18.90
$	40 2-Fluorobiphenyl (S)	172	7.809	7.803	(0.922)	160371	20.0000	18.84
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	170188	20.0000	19.16
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	139200	20.0000	19.35
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	43623	20.0000	19.54
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	154726	20.0000	18.77
	45 Acenaphthylene	152	8.315	8.315	(0.982)	207589	20.0000	19.08
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	33669	20.0000	18.32
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	236104	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	35706	20.0000	18.88
	49 Acenaphthene	153	8.498	8.498	(1.003)	131545	20.0000	19.18
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	15235	20.0000	18.48
	51 4-Nitrophenol	109	8.639	8.645	(1.020)	27423	20.0000	18.31
	52 Dibenzofuran	168	8.651	8.650	(1.022)	192014	20.0000	18.68
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	45132	20.0000	18.22
	54 Diethylphthalate	149	8.945	8.945	(1.056)	160764	20.0000	18.81
	55 Fluorene	166	8.992	8.992	(1.062)	156924	20.0000	18.38
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	85298	20.0000	18.44
	57 4-Nitroaniline	138	9.068	9.062	(1.071)	33426	20.0000	18.36
	58 4,6-Dinitro-2-methylphenol	198	9.098	9.103	(0.919)	27624	20.0000	18.33
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	106022	20.0000	19.19
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	175842	20.0000	20.06
$	61 2,4,6-Tribromophenol (S)	330	9.251	9.250	(0.934)	29500	20.0000	19.80
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	54560	20.0000	18.03
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	65649	20.0000	19.07
	64 Atrazine	200	9.680	9.680	(0.977)	33526	20.0000	18.79
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	32831	20.0000	20.18
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	417948	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	226792	20.0000	19.04
	68 Anthracene	178	9.968	9.968	(1.007)	234662	20.0000	18.93
	69 Carbazole	167	10.139	10.139	(1.024)	210738	20.0000	18.88
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	261719	20.0000	19.00
	71 Fluoranthene	202	11.097	11.097	(1.121)	257986	20.0000	18.36
	72 Benzidine	184	11.244	11.244	(1.135)	11235	20.0000	16.17(M)
	73 Pyrene	202	11.315	11.315	(1.143)	272003	20.0000	18.42
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	189087	20.0000	18.10
	75 Butylbenzylphthalate	149	11.997	11.997	(0.959)	111612	20.0000	19.34
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	268270	20.0000	19.30
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	78795	20.0000	19.27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	540465	40.0000	
79 Chrysene	228	12.539	12.538	(1.002)	258117	20.0000	19.34(M)
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	156317	20.0000	18.62
81 Di-n-octylphthalate	149	13.138	13.138	(0.950)	239059	20.0000	17.77
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	263900	20.0000	18.15
83 Benzo(k)fluoranthene	252	13.521	13.515	(0.978)	296058	20.0000	18.13(H)
84 Benzo(a)pyrene	252	13.780	13.780	(0.997)	241008	20.0000	18.04
* 85 Perylene-d12	264	13.827	13.827	(1.000)	503469	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	271944	20.0000	18.15
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	225738	20.0000	17.94
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	230771	20.0000	18.56

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 20ppm.D
Lab Smp Id: h061d
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	105215	-2.14
30 Naphthalene-d8	397045	198523	794090	383097	-3.51
47 Acenaphthene-d10	249088	124544	498176	236104	-5.21
66 Phenanthrene-d10	451720	225860	903440	417948	-7.48
78 Chrysene-d12	618598	309299	1237196	540465	-12.63
85 Perylene-d12	555611	277806	1111222	503469	-9.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061d
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	20.04	
110-86-1	Pyridine	20.11	
100-52-7	Benzaldehyde	19.48	
108-95-2	Phenol	19.39	
111-44-4	bis(2-Chloroethyl)ether	20.36	
95-57-8	2-Chlorophenol	18.82	
541-73-1	1,3-Dichlorobenzene	19.45	
106-46-7	1,4-Dichlorobenzene	19.36	
100-51-6	Benzyl Alcohol	18.69	
95-50-1	1,2-Dichlorobenzene	19.50	
95-48-7	2-Methylphenol	19.36	
39638-32-9	bis(2-Chloroisopropyl)ether	21.36	
108-60-1	2,2'-Oxybis(1-chloropropane)	21.36	
98-86-2	Acetophenone	19.09	
	3&4-Methylphenol	19.30	
621-64-7	N-Nitroso-di-n-propylamine	20.17	
67-72-1	Hexachloroethane	19.73	
98-95-3	Nitrobenzene	20.08	
78-59-1	Isophorone	19.66	
88-75-5	2-Nitrophenol	19.20	
105-67-9	2,4-Dimethylphenol	19.69	
111-91-1	bis(2-Chloroethoxy)methane	19.70	
65-85-0	Benzoic Acid	19.01	
120-83-2	2,4-Dichlorophenol	18.78	
120-82-1	1,2,4-Trichlorobenzene	19.18	
91-20-3	Naphthalene	19.42	
106-47-8	4-Chloroaniline	19.43	
87-68-3	Hexachlorobutadiene	18.79	
10-60-2	Caprolactam	19.17	
59-50-7	4-Chloro-3-methylphenol	18.98	
91-57-6	2-Methylnaphthalene	19.23	
77-47-4	Hexachlorocyclopentadiene	18.15	
88-06-2	2,4,6-Trichlorophenol	19.06	
95-95-4	2,4,5-Trichlorophenol	18.90	
92-52-4	Biphenyl (Diphenyl)	19.16	
91-58-7	2-Chloronaphthalene	19.35	
88-74-4	2-Nitroaniline	19.54	
131-11-3	Dimethylphthalate	18.77	
208-96-8	Acenaphthylene	19.08	
606-20-2	2,6-Dinitrotoluene	18.32	
99-09-2	3-Nitroaniline	18.88	
83-32-9	Acenaphthene	19.18	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061d
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

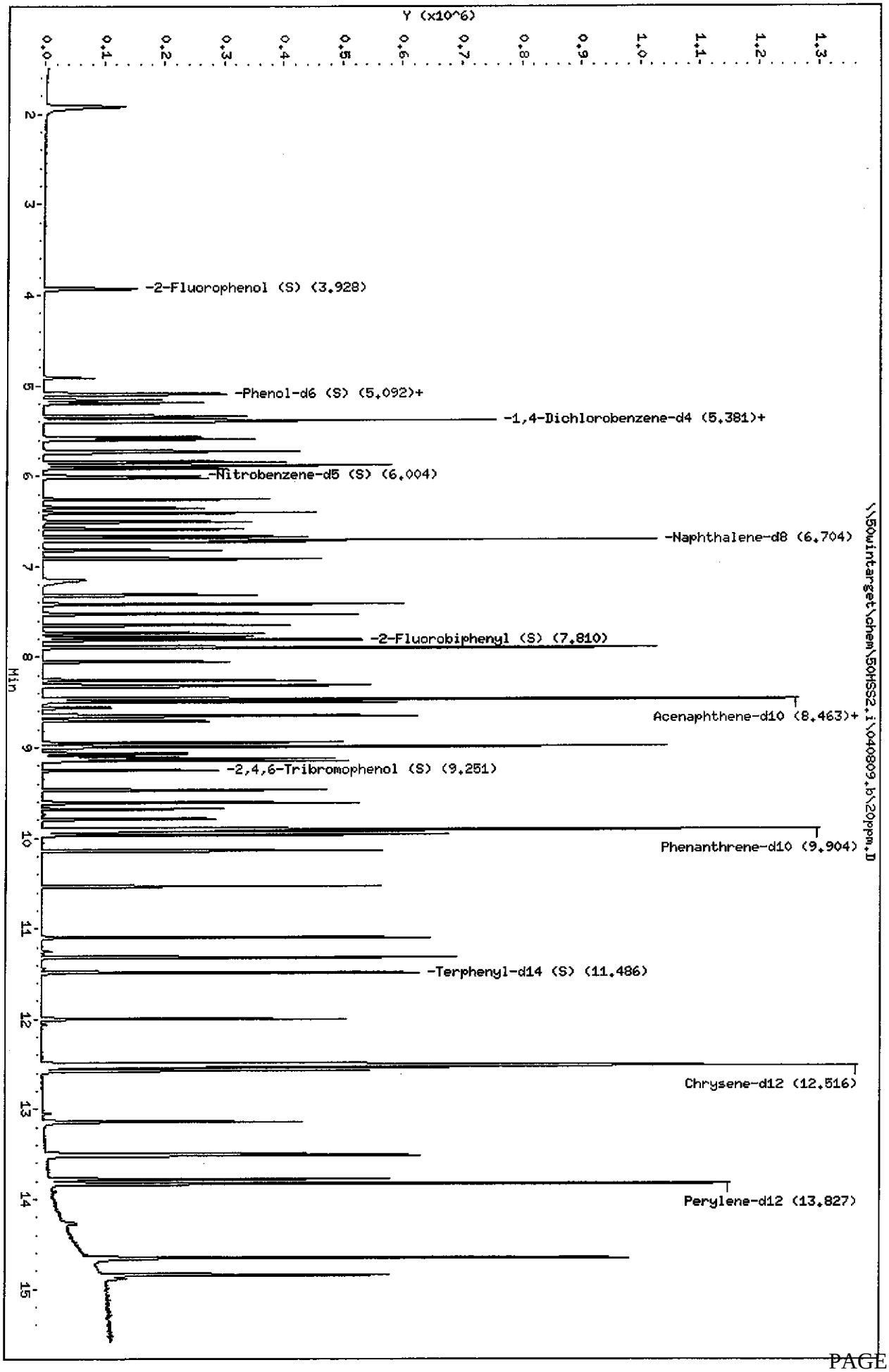
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	18.48	
100-02-7	4-Nitrophenol	18.31	
132-64-9	Dibenzofuran	18.68	
121-14-2	2,4-Dinitrotoluene	18.22	
84-66-2	Diethylphthalate	18.81	
86-73-7	Fluorene	18.38	
7005-72-3	4-Chlorophenyl-phenylether	18.44	
100-01-6	4-Nitroaniline	18.36	
534-52-1	4,6-Dinitro-2-methylphenol	18.33	
86-30-6	N-Nitrosodiphenylamine	19.19	
122-66-7	1,2-Diphenylhydrazine	20.06	
101-55-3	4-Bromophenyl-phenylether	18.03	
118-74-1	Hexachlorobenzene	19.07	
1912-24-9	Atrazine	18.79	
87-86-5	Pentachlorophenol	20.18	
85-01-8	Phenanthrene	19.04	
120-12-7	Anthracene	18.93	
86-74-8	Carbazole	18.88	
84-74-2	Di-n-butylphthalate	19.00	
206-44-0	Fluoranthene	18.36	
92-87-5	Benzidine	16.17	
129-00-0	Pyrene	18.42	
85-68-7	Butylbenzylphthalate	19.34	
56-55-3	Benzo(a)anthracene	19.30	
91-94-1	3,3'-Dichlorobenzidine	19.27	
218-01-9	Chrysene	19.34	
117-81-7	bis(2-Ethylhexyl)phthalate	18.62	
117-84-0	Di-n-octylphthalate	17.77	
205-99-2	Benzo(b)fluoranthene	18.15	
207-08-9	Benzo(k)fluoranthene	18.13	
50-32-8	Benzo(a)pyrene	18.04	
193-39-5	Indeno(1,2,3-cd)pyrene	18.15	
53-70-3	Dibenz(a,h)anthracene	17.94	
191-24-2	Benzo(g,h,i)perylene	18.56	
367-12-4	2-Fluorophenol (S)	19.93	
13127-88-3	Phenol-d6 (S)	19.83	
4165-60-0	Nitrobenzene-d5 (S)	19.92	
321-60-8	2-Fluorobiphenyl (S)	18.84	
	2,4,6-Tribromophenol (S)	19.80	
98904-43-9	Terphenyl-d14 (S)	18.10	

Data File: \\50wintarget\chem\50HSS2.i\040809.b\20ppm.D
Date : 08-APR-2009 11:55
Client ID:
Sample Info: 20ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50HSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\50ppm.D
Lab Smp Id: 50ppm
Inj Date : 08-APR-2009 12:15
Operator : KES Inst ID: 50MSS2.i
Smp Info : 50ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	103020	50.0000	53.56(H)
	2 Pyridine	79	1.916	1.927	(0.356)	177161	50.0000	53.76
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	164226	50.0000	53.71
	4 Benzaldehyde	77	4.910	4.910	(0.913)	50271	50.0000	51.86
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	204906	50.0000	53.28
	6 Phenol	94	5.098	5.098	(0.948)	211575	50.0000	53.36
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	162893	50.0000	53.44
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	182978	50.0000	53.45
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	212110	50.0000	53.14
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	106769	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	218793	50.0000	53.04
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	100770	50.0000	52.18
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	202647	50.0000	52.65
	14 2-Methylphenol	108	5.727	5.721	(1.064)	167717	50.0000	53.58
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	227018	50.0000	55.47
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	227018	50.0000	55.47
	17 Acetophenone	105	5.851	5.845	(1.087)	263875	50.0000	53.25
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	176406	50.0000	54.00
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	146165	50.0000	54.40
	20 Hexachloroethane	117	5.915	5.915	(1.099)	90195	50.0000	53.54
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	226917	50.0000	53.87
	22 Nitrobenzene	77	6.021	6.021	(0.898)	223236	50.0000	53.95(M)
	23 Isophorone	82	6.257	6.257	(0.933)	375285	50.0000	53.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	104264	50.0000	53.03
	25 2,4-Dimethylphenol	122	6.409	6.409	(0.956)	160413	50.0000	53.04
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	211389	50.0000	53.34
	27 Benzoic Acid	122	6.539	6.486	(0.975)	76664	50.0000	53.61
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	162768	50.0000	52.69
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	197035	50.0000	52.05
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	398132	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.004)	524467	50.0000	52.09
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	221330	50.0000	54.40
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	141461	50.0000	51.77
	34 Caprolactam	113	7.157	7.162	(1.068)	55657	50.0000	50.65
	35 4-Chloro-3-methylphenol	107	7.321	7.315	(1.092)	165941	50.0000	53.13
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	381397	50.0000	51.58
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	177657	50.0000	53.29
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	136723	50.0000	52.79
	39 2,4,5-Trichlorophenol	196	7.780	7.780	(0.919)	153830	50.0000	53.50
$	40 2-Fluorobiphenyl (S)	172	7.809	7.803	(0.922)	474085	50.0000	53.40
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	498569	50.0000	53.83
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	396855	50.0000	52.90
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	127740	50.0000	54.86
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	451129	50.0000	52.48
	45 Acenaphthylene	152	8.315	8.315	(0.982)	596115	50.0000	52.53
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	102290	50.0000	53.36
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	246223	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	106489	50.0000	54.00
	49 Acenaphthene	153	8.498	8.498	(1.003)	379413	50.0000	53.04
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	62275	50.0000	48.82
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	84357	50.0000	52.80
	52 Dibenzofuran	168	8.651	8.650	(1.022)	566975	50.0000	52.90
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	137209	50.0000	53.13
	54 Diethylphthalate	149	8.951	8.945	(1.057)	469505	50.0000	52.69
	55 Fluorene	166	8.992	8.992	(1.062)	476898	50.0000	53.56
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	255834	50.0000	53.04
	57 4-Nitroaniline	138	9.074	9.062	(1.072)	103006	50.0000	50.49
	58 4,6-Dinitro-2-methylphenol	198	9.103	9.103	(0.919)	95933	50.0000	49.85
	59 N-Nitrosodiphenylamine	169	9.127	9.121	(0.922)	312345	50.0000	52.56
	60 1,2-Diphenylhydrazine	77	9.150	9.145	(0.924)	497050	50.0000	52.70
$	61 2,4,6-Tribromophenol (S)	330	9.250	9.250	(0.934)	92197	50.0000	45.59
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	165584	50.0000	50.86
	63 Hexachlorobenzene	284	9.615	9.609	(0.971)	203490	50.0000	47.58
	64 Atrazine	200	9.686	9.680	(0.978)	103108	50.0000	53.72
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	111680	50.0000	48.20
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	449598	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	681007	50.0000	53.14
	68 Anthracene	178	9.968	9.968	(1.007)	706183	50.0000	52.97
	69 Carbazole	167	10.145	10.139	(1.024)	634552	50.0000	52.84
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	795865	50.0000	53.70
	71 Fluoranthene	202	11.097	11.097	(1.121)	805335	50.0000	53.28
	72 Benzidine	184	11.250	11.244	(1.136)	37452	50.0000	43.37
	73 Pyrene	202	11.321	11.315	(1.143)	843356	50.0000	53.10
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	607779	50.0000	48.93
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	356024	50.0000	54.76
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	848320	50.0000	54.19
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	234188	50.0000	50.84

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	608853	40.0000	
79 Chrysene	228	12.539	12.538	(1.002)	793478	50.0000	52.77
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	501878	50.0000	53.08
81 Di-n-octylphthalate	149	13.144	13.138	(0.950)	799786	50.0000	52.39
82 Benzo(b)fluoranthene	252	13.503	13.497	(0.976)	917706	50.0000	52.46
83 Benzo(k)fluoranthene	252	13.527	13.515	(0.978)	900740	50.0000	47.68(H)
84 Benzo(a)pyrene	252	13.785	13.780	(0.997)	774516	50.0000	50.13
* 85 Perylene-d12	264	13.833	13.827	(1.000)	552369	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.656	14.650	(1.060)	916839	50.0000	49.95
87 Dibenz(a,h)anthracene	278	14.662	14.656	(1.060)	777072	50.0000	49.58
88 Benzo(g,h,i)perylene	276	14.850	14.844	(1.074)	734111	50.0000	50.19

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 50ppm.D
Lab Smp Id: 50ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	106769	-0.70
30 Naphthalene-d8	397045	198523	794090	398132	0.27
47 Acenaphthene-d10	249088	124544	498176	246223	-1.15
66 Phenanthrene-d10	451720	225860	903440	449598	-0.47
78 Chrysene-d12	618598	309299	1237196	608853	-1.58
85 Perylene-d12	555611	277806	1111222	552369	-0.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	53.56	
110-86-1	Pyridine	53.76	
100-52-7	Benzaldehyde	51.86	
108-95-2	Phenol	53.36	
111-44-4	bis(2-Chloroethyl)ether	53.44	
95-57-8	2-Chlorophenol	53.45	
541-73-1	1,3-Dichlorobenzene	53.14	
106-46-7	1,4-Dichlorobenzene	53.04	
100-51-6	Benzyl Alcohol	52.18	
95-50-1	1,2-Dichlorobenzene	52.65	
95-48-7	2-Methylphenol	53.58	
39638-32-9	bis(2-Chloroisopropyl)ether	55.47	
108-60-1	2,2'-Oxybis(1-chloropropane)	55.47	
98-86-2	Acetophenone	53.25	
	3&4-Methylphenol	54.00	
621-64-7	N-Nitroso-di-n-propylamine	54.40	
67-72-1	Hexachloroethane	53.54	
98-95-3	Nitrobenzene	53.95	
78-59-1	Isophorone	53.00	
88-75-5	2-Nitrophenol	53.03	
105-67-9	2,4-Dimethylphenol	53.04	
111-91-1	bis(2-Chloroethoxy)methane	53.34	
65-85-0	Benzoic Acid	53.61	
120-83-2	2,4-Dichlorophenol	52.69	
120-82-1	1,2,4-Trichlorobenzene	52.05	
91-20-3	Naphthalene	52.09	
106-47-8	4-Chloroaniline	54.40	
87-68-3	Hexachlorobutadiene	51.77	
10-60-2	Caprolactam	50.65	
59-50-7	4-Chloro-3-methylphenol	53.13	
91-57-6	2-Methylnaphthalene	51.58	
77-47-4	Hexachlorocyclopentadiene	53.29	
88-06-2	2,4,6-Trichlorophenol	52.79	
95-95-4	2,4,5-Trichlorophenol	53.50	
92-52-4	Biphenyl (Diphenyl)	53.83	
91-58-7	2-Chloronaphthalene	52.90	
88-74-4	2-Nitroaniline	54.86	
131-11-3	Dimethylphthalate	52.48	
208-96-8	Acenaphthylene	52.53	
606-20-2	2,6-Dinitrotoluene	53.36	
99-09-2	3-Nitroaniline	54.00	
83-32-9	Acenaphthene	53.04	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

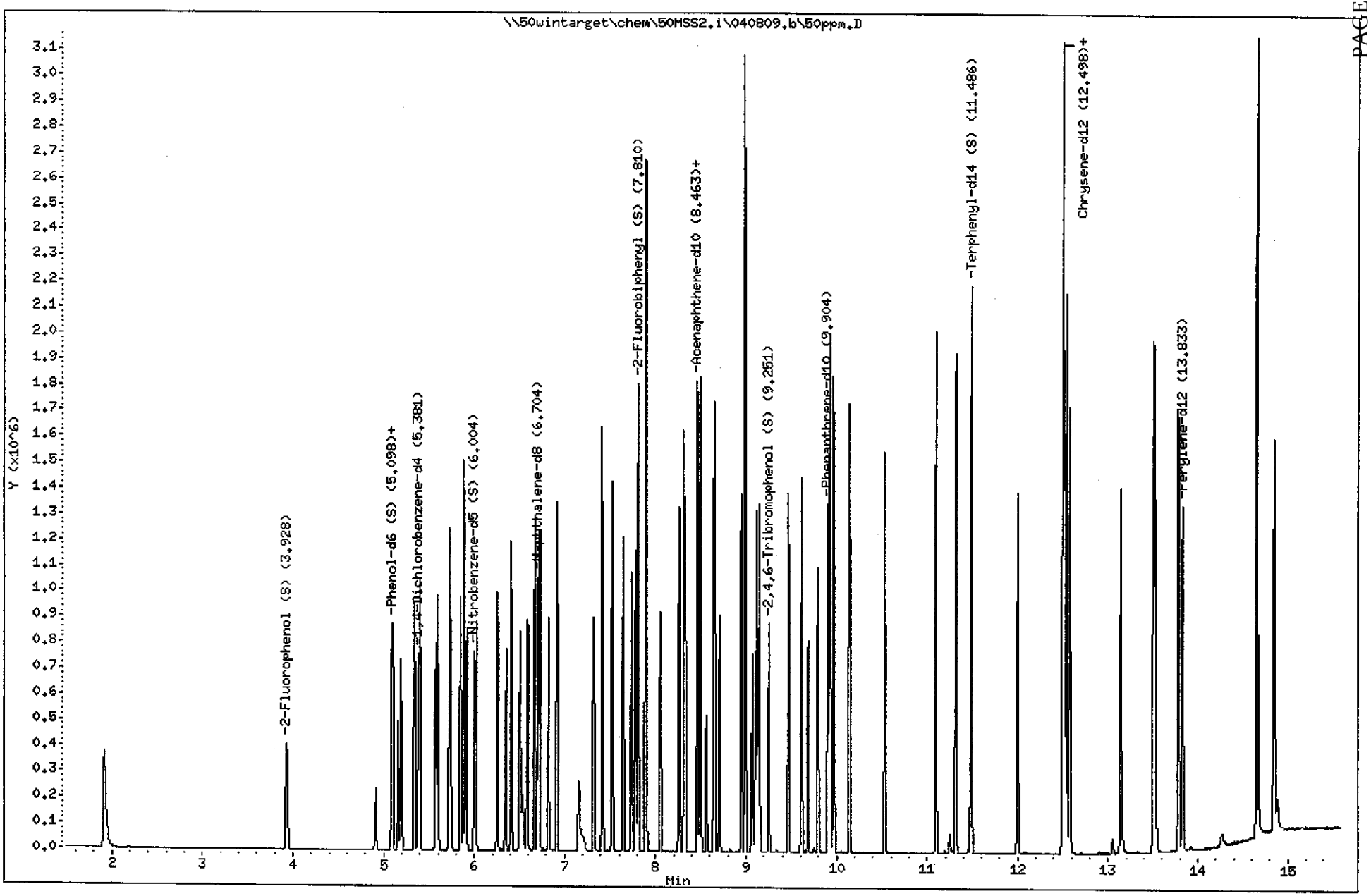
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	48.82	
100-02-7	4-Nitrophenol	52.80	
132-64-9	Dibenzofuran	52.90	
121-14-2	2,4-Dinitrotoluene	53.13	
84-66-2	Diethylphthalate	52.69	
86-73-7	Fluorene	53.56	
7005-72-3	4-Chlorophenyl-phenylether	53.04	
100-01-6	4-Nitroaniline	50.49	
534-52-1	4,6-Dinitro-2-methylphenol	49.85	
86-30-6	N-Nitrosodiphenylamine	52.56	
122-66-7	1,2-Diphenylhydrazine	52.70	
101-55-3	4-Bromophenyl-phenylether	50.86	
118-74-1	Hexachlorobenzene	47.58	
1912-24-9	Atrazine	53.72	
87-86-5	Pentachlorophenol	48.20	
85-01-8	Phenanthrene	53.14	
120-12-7	Anthracene	52.97	
86-74-8	Carbazole	52.84	
84-74-2	Di-n-butylphthalate	53.70	
206-44-0	Fluoranthene	53.28	
92-87-5	Benzidine	43.37	
129-00-0	Pyrene	53.10	
85-68-7	Butylbenzylphthalate	54.76	
56-55-3	Benzo(a)anthracene	54.19	
91-94-1	3,3'-Dichlorobenzidine	50.84	
218-01-9	Chrysene	52.77	
117-81-7	bis(2-Ethylhexyl)phthalate	53.08	
117-84-0	Di-n-octylphthalate	52.39	
205-99-2	Benzo(b)fluoranthene	52.46	
207-08-9	Benzo(k)fluoranthene	47.68	
50-32-8	Benzo(a)pyrene	50.13	
193-39-5	Indeno(1,2,3-cd)pyrene	49.95	
53-70-3	Dibenz(a,h)anthracene	49.58	
191-24-2	Benzo(g,h,i)perylene	50.19	
367-12-4	2-Fluorophenol (S)	53.71	
13127-88-3	Phenol-d6 (S)	53.28	
4165-60-0	Nitrobenzene-d5 (S)	53.87	
321-60-8	2-Fluorobiphenyl (S)	53.40	
	2,4,6-Tribromophenol (S)	45.59	
98904-43-9	Terphenyl-d14 (S)	48.93	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\50ppm.D
Date : 08-APR-2009 12:15
Client ID:
Sample Info: 50ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Lab Smp Id: 100ppm
Inj Date : 08-APR-2009 12:36
Operator : KES Inst ID: 50MSS2.i
Smp Info : 100ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	192513	100.000	99.39(H)
	2 Pyridine	79	1.910	1.927	(0.355)	333123	100.000	100.4
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	305338	100.000	99.16
	4 Benzaldehyde	77	4.910	4.910	(0.913)	93248	100.000	95.53
$	5 Phenol-d6 (S)	99	5.092	5.086	(0.946)	386787	100.000	99.87
	6 Phenol	94	5.104	5.098	(0.949)	396762	100.000	99.38
	7 bis(2-Chloroethyl)ether	93	5.163	5.157	(0.960)	300728	100.000	97.98
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	345312	100.000	100.2
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	399364	100.000	99.36
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	107519	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	413361	100.000	99.50
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	190867	100.000	98.14
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	384236	100.000	99.14
	14 2-Methylphenol	108	5.733	5.721	(1.066)	317181	100.000	100.6
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	402746	100.000	97.73
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	402746	100.000	97.73
	17 Acetophenone	105	5.851	5.845	(1.087)	489506	100.000	98.09
	18 3&4-Methylphenol	108	5.886	5.880	(1.094)	329638	100.000	100.2
	19 N-Nitroso-di-n-propylamine	70	5.886	5.880	(1.094)	266970	100.000	98.67
	20 Hexachloroethane	117	5.915	5.915	(1.099)	169939	100.000	100.2
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	414668	100.000	98.70
	22 Nitrobenzene	77	6.021	6.021	(0.898)	405769	100.000	98.34
	23 Isophorone	82	6.263	6.257	(0.934)	697905	100.000	98.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	201592	100.000	102.8
	25 2,4-Dimethylphenol	122	6.415	6.409	(0.957)	306637	100.000	101.7
	26 bis(2-Chloroethoxy)methane	93	6.510	6.504	(0.971)	391195	100.000	98.98
	27 Benzoic Acid	122	6.563	6.486	(0.979)	149696	100.000	95.45
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	315308	100.000	102.3
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	382143	100.000	101.2
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	397045	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.004)	1000674	100.000	99.67
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	422142	100.000	104.0
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	277066	100.000	101.7
	34 Caprolactam	113	7.174	7.162	(1.070)	108589	100.000	97.36(M)
	35 4-Chloro-3-methylphenol	107	7.321	7.315	(1.092)	313749	100.000	100.7
	36 2-Methylnaphthalene	142	7.421	7.415	(1.107)	733142	100.000	99.41
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	351311	100.000	104.2
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	267215	100.000	102.0
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	299696	100.000	103.0
$	40 2-Fluorobiphenyl (S)	172	7.809	7.803	(0.922)	906365	100.000	100.9
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	952188	100.000	101.6
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	767676	100.000	101.2
	43 2-Nitroaniline	65	8.057	8.051	(0.951)	237728	100.000	100.9
	44 Dimethylphthalate	163	8.262	8.256	(0.976)	871335	100.000	100.2
	45 Acenaphthylene	152	8.315	8.315	(0.982)	1152710	100.000	100.4
	46 2,6-Dinitrotoluene	165	8.333	8.327	(0.984)	196744	100.000	101.4
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	249088	40.0000	
	48 3-Nitroaniline	138	8.468	8.462	(1.000)	203688	100.000	102.1
	49 Acenaphthene	153	8.498	8.498	(1.003)	726696	100.000	100.4
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	133919	100.000	94.65
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	163496	100.000	100.6
	52 Dibenzofuran	168	8.656	8.650	(1.022)	1094368	100.000	100.9
	53 2,4-Dinitrotoluene	165	8.715	8.709	(1.029)	265090	100.000	101.5
	54 Diethylphthalate	149	8.951	8.945	(1.057)	900139	100.000	99.85
	55 Fluorene	166	8.992	8.992	(1.062)	923129	100.000	102.5
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	501893	100.000	102.8
	57 4-Nitroaniline	138	9.080	9.062	(1.072)	201262	100.000	95.72
	58 4,6-Dinitro-2-methylphenol	198	9.109	9.103	(0.919)	192578	100.000	95.43
	59 N-Nitrosodiphenylamine	169	9.127	9.121	(0.921)	607901	100.000	101.8
	60 1,2-Diphenylhydrazine	77	9.151	9.145	(0.923)	922930	100.000	97.40
$	61 2,4,6-Tribromophenol (S)	330	9.256	9.250	(0.934)	195038	100.000	89.07
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	335826	100.000	102.7
	63 Hexachlorobenzene	284	9.615	9.609	(0.970)	419887	100.000	93.58
	64 Atrazine	200	9.692	9.680	(0.978)	200520	100.000	104.0
	65 Pentachlorophenol	266	9.798	9.792	(0.989)	233691	100.000	92.57
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	451720	40.0000	
	67 Phenanthrene	178	9.933	9.927	(1.002)	1309470	100.000	101.7
	68 Anthracene	178	9.974	9.968	(1.007)	1357792	100.000	101.4
	69 Carbazole	167	10.151	10.139	(1.024)	1226405	100.000	101.6
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	1514293	100.000	101.7
	71 Fluoranthene	202	11.103	11.097	(1.120)	1552721	100.000	102.2
	72 Benzidine	184	11.250	11.244	(1.135)	93351	100.000	102.8
	73 Pyrene	202	11.321	11.315	(1.142)	1638357	100.000	102.7
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.159)	1232286	100.000	96.11
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	681283	100.000	103.1
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	1661048	100.000	104.4
	77 3,3'-Dichlorobenzidine	252	12.503	12.497	(0.999)	449243	100.000	95.99

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	618598	40.0000	
79 Chrysene	228	12.544	12.538	(1.002)	1583174	100.000	103.6(M)
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	980458	100.000	102.1
81 Di-n-octylphthalate	149	13.144	13.138	(0.950)	1564688	100.000	101.1
82 Benzo(b)fluoranthene	252	13.509	13.497	(0.977)	1676435	100.000	93.38
83 Benzo(k)fluoranthene	252	13.527	13.515	(0.978)	2015110	100.000	104.3(H)
84 Benzo(a)pyrene	252	13.786	13.780	(0.997)	1568540	100.000	99.50
* 85 Perylene-d12	264	13.833	13.827	(1.000)	555611	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.662	14.650	(1.060)	1906343	100.000	100.2
87 Dibenz(a,h)anthracene	278	14.668	14.656	(1.060)	1637674	100.000	100.4
88 Benzo(g,h,i)perylene	276	14.856	14.844	(1.074)	1501810	100.000	100.1

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Report Date: 16-Apr-2009 12:21

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 100ppm.D
Lab Smp Id: 100ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	107519	0.00
30 Naphthalene-d8	397045	198523	794090	397045	0.00
47 Acenaphthene-d10	249088	124544	498176	249088	0.00
66 Phenanthrene-d10	451720	225860	903440	451720	0.00
78 Chrysene-d12	618598	309299	1237196	618598	0.00
85 Perylene-d12	555611	277806	1111222	555611	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	99.39	
110-86-1	Pyridine	100.4	
100-52-7	Benzaldehyde	95.53	
108-95-2	Phenol	99.38	
111-44-4	bis(2-Chloroethyl)ether	97.98	
95-57-8	2-Chlorophenol	100.2	
541-73-1	1,3-Dichlorobenzene	99.36	
106-46-7	1,4-Dichlorobenzene	99.50	
100-51-6	Benzyl Alcohol	98.14	
95-50-1	1,2-Dichlorobenzene	99.14	
95-48-7	2-Methylphenol	100.6	
39638-32-9	bis(2-Chloroisopropyl)ether	97.73	
108-60-1	2,2'-Oxybis(1-chloropropane)	97.73	
98-86-2	Acetophenone	98.09	
	3&4-Methylphenol	100.2	
621-64-7	N-Nitroso-di-n-propylamine	98.67	
67-72-1	Hexachloroethane	100.2	
98-95-3	Nitrobenzene	98.34	
78-59-1	Isophorone	98.84	
88-75-5	2-Nitrophenol	102.8	
105-67-9	2,4-Dimethylphenol	101.7	
111-91-1	bis(2-Chloroethoxy)methane	98.98	
65-85-0	Benzoic Acid	95.45	
120-83-2	2,4-Dichlorophenol	102.3	
120-82-1	1,2,4-Trichlorobenzene	101.2	
91-20-3	Naphthalene	99.67	
106-47-8	4-Chloroaniline	104.0	
87-68-3	Hexachlorobutadiene	101.7	
10-60-2	Caprolactam	97.36	
59-50-7	4-Chloro-3-methylphenol	100.7	
91-57-6	2-Methylnaphthalene	99.41	
77-47-4	Hexachlorocyclopentadiene	104.2	
88-06-2	2,4,6-Trichlorophenol	102.0	
95-95-4	2,4,5-Trichlorophenol	103.0	
92-52-4	Biphenyl (Diphenyl)	101.6	
91-58-7	2-Chloronaphthalene	101.2	
88-74-4	2-Nitroaniline	100.9	
131-11-3	Dimethylphthalate	100.2	
208-96-8	Acenaphthylene	100.4	
606-20-2	2,6-Dinitrotoluene	101.4	
99-09-2	3-Nitroaniline	102.1	
83-32-9	Acenaphthene	100.4	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

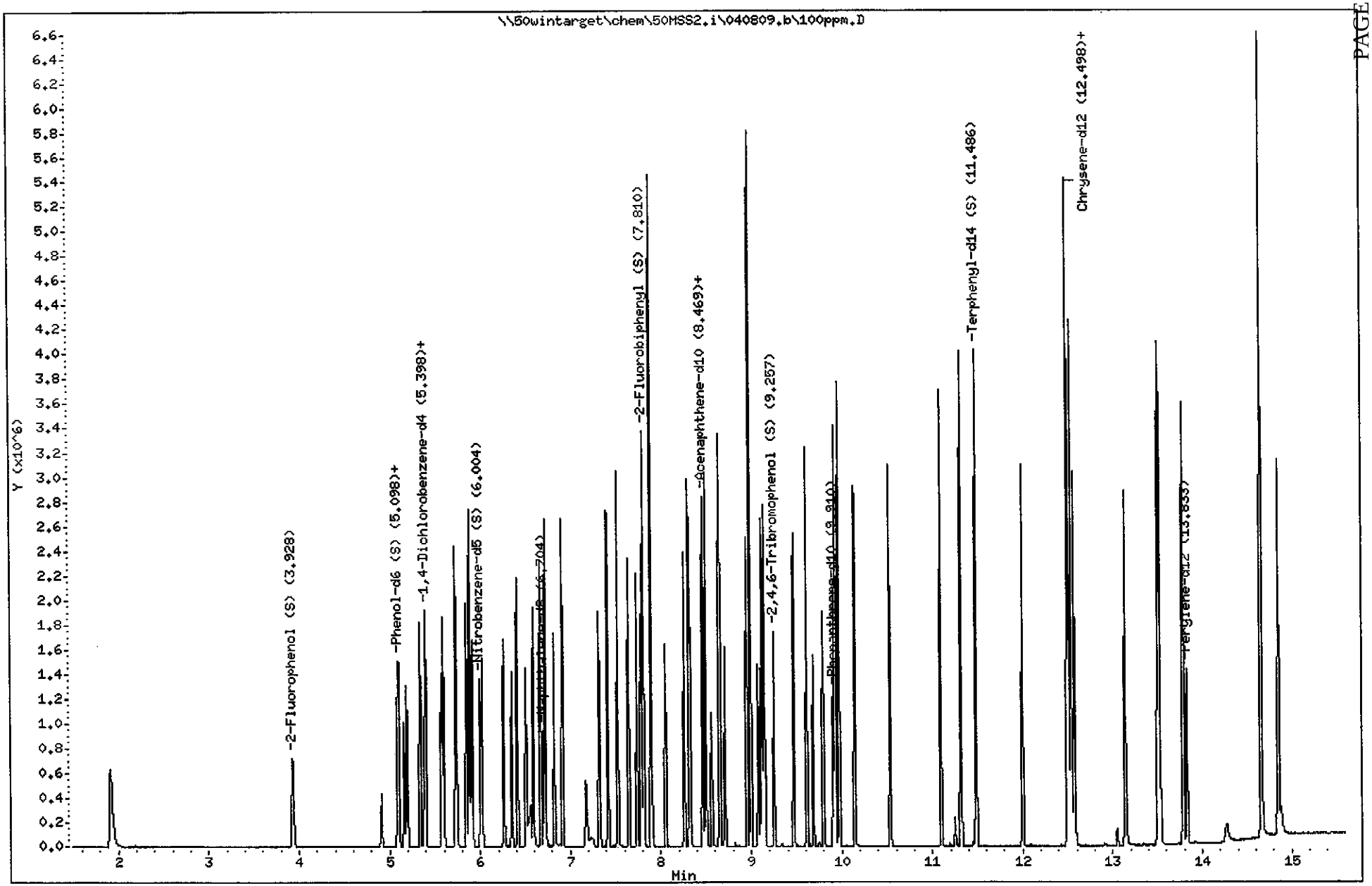
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	94.65	
100-02-7	4-Nitrophenol	100.6	
132-64-9	Dibenzofuran	100.9	
121-14-2	2,4-Dinitrotoluene	101.5	
84-66-2	Diethylphthalate	99.85	
86-73-7	Fluorene	102.5	
7005-72-3	4-Chlorophenyl-phenylether	102.8	
100-01-6	4-Nitroaniline	95.72	
534-52-1	4,6-Dinitro-2-methylphenol	95.43	
86-30-6	N-Nitrosodiphenylamine	101.8	
122-66-7	1,2-Diphenylhydrazine	97.40	
101-55-3	4-Bromophenyl-phenylether	102.7	
118-74-1	Hexachlorobenzene	93.58	
1912-24-9	Atrazine	104.0	
87-86-5	Pentachlorophenol	92.57	
85-01-8	Phenanthrene	101.7	
120-12-7	Anthracene	101.4	
86-74-8	Carbazole	101.6	
84-74-2	Di-n-butylphthalate	101.7	
206-44-0	Fluoranthene	102.2	
92-87-5	Benzidine	102.8	
129-00-0	Pyrene	102.7	
85-68-7	Butylbenzylphthalate	103.1	
56-55-3	Benzo(a)anthracene	104.4	
91-94-1	3,3'-Dichlorobenzidine	95.99	
218-01-9	Chrysene	103.6	
117-81-7	bis(2-Ethylhexyl)phthalate	102.1	
117-84-0	Di-n-octylphthalate	101.1	
205-99-2	Benzo(b)fluoranthene	93.38	
207-08-9	Benzo(k)fluoranthene	104.3	
50-32-8	Benzo(a)pyrene	99.50	
193-39-5	Indeno(1,2,3-cd)pyrene	100.2	
53-70-3	Dibenz(a,h)anthracene	100.4	
191-24-2	Benzo(g,h,i)perylene	100.1	
367-12-4	2-Fluorophenol (S)	99.16	
13127-88-3	Phenol-d6 (S)	99.87	
4165-60-0	Nitrobenzene-d5 (S)	98.70	
321-60-8	2-Fluorobiphenyl (S)	100.9	
	2,4,6-Tribromophenol (S)	89.07	
98904-43-9	Terphenyl-d14 (S)	96.11	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Date : 08-APR-2009 12:36
Client ID:
Sample Info: 100ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i

Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Lab Smp Id: 150ppm
Inj Date : 08-APR-2009 12:56
Operator : KES Inst ID: 50MSS2.i
Smp Info : 150ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	276803	150.000	146.0(H)
	2 Pyridine	79	1.910	1.927	(0.355)	486381	150.000	149.8
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	445206	150.000	147.7
	4 Benzaldehyde	77	4.910	4.910	(0.913)	146552	150.000	153.4
$	5 Phenol-d6 (S)	99	5.092	5.086	(0.946)	577009	150.000	152.2
	6 Phenol	94	5.110	5.098	(0.950)	588987	150.000	150.8
	7 bis(2-Chloroethyl)ether	93	5.163	5.157	(0.960)	448344	150.000	149.3
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	511064	150.000	151.5
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	592950	150.000	150.8
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	105217	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	615487	150.000	151.4
	12 Benzyl Alcohol	108	5.580	5.574	(1.037)	294661	150.000	154.8
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	574218	150.000	151.4
	14 2-Methylphenol	108	5.733	5.721	(1.066)	470911	150.000	152.7
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	560974	150.000	139.1
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	560974	150.000	139.1
	17 Acetophenone	105	5.857	5.845	(1.089)	744667	150.000	152.5
	18 3&4-Methylphenol	108	5.892	5.880	(1.095)	497432	150.000	154.5
	19 N-Nitroso-di-n-propylamine	70	5.892	5.880	(1.095)	392753	150.000	148.3
	20 Hexachloroethane	117	5.916	5.915	(1.099)	248169	150.000	149.5
$	21 Nitrobenzene-d5 (S)	82	6.010	6.004	(0.896)	625363	150.000	144.6
	22 Nitrobenzene	77	6.027	6.021	(0.898)	606195	150.000	142.7
	23 Isophorone	82	6.268	6.257	(0.934)	1071017	150.000	147.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.357	6.351	(0.947)	307967	150.000	152.5
	25 2,4-Dimethylphenol	122	6.415	6.409	(0.956)	464389	150.000	149.5
	26 bis(2-Chloroethoxy)methane	93	6.510	6.504	(0.970)	591212	150.000	145.3
	27 Benzoic Acid	122	6.580	6.486	(0.981)	258495	150.000	151.7
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.982)	490817	150.000	154.7
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.994)	586977	150.000	151.0
*	30 Naphthalene-d8	136	6.710	6.704	(1.000)	408833	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.003)	1538736	150.000	148.8
	32 4-Chloroaniline	127	6.821	6.821	(1.017)	645503	150.000	154.5
	33 Hexachlorobutadiene	225	6.915	6.915	(1.031)	423908	150.000	151.1
	34 Caprolactam	113	7.198	7.162	(1.073)	174210	150.000	150.7 (M)
	35 4-Chloro-3-methylphenol	107	7.327	7.315	(1.092)	496599	150.000	154.8 (M)
	36 2-Methylnaphthalene	142	7.421	7.415	(1.106)	1144068	150.000	150.7
	37 Hexachlorocyclopentadiene	237	7.651	7.645	(0.903)	574216	150.000	159.0
	38 2,4,6-Trichlorophenol	196	7.745	7.739	(0.915)	428437	150.000	152.7
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	481002	150.000	154.4
$	40 2-Fluorobiphenyl (S)	172	7.815	7.803	(0.923)	1425475	150.000	148.2
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	1481559	150.000	147.7
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	1198980	150.000	147.5
	43 2-Nitroaniline	65	8.057	8.051	(0.951)	369228	150.000	146.4
	44 Dimethylphthalate	163	8.262	8.256	(0.976)	1421087	150.000	152.6
	45 Acenaphthylene	152	8.321	8.315	(0.983)	1871630	150.000	152.3
	46 2,6-Dinitrotoluene	165	8.339	8.327	(0.985)	324737	150.000	156.4
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	266708	40.0000	
	48 3-Nitroaniline	138	8.474	8.462	(1.001)	336278	150.000	157.4
	49 Acenaphthene	153	8.504	8.498	(1.004)	1160775	150.000	149.8
	50 2,4-Dinitrophenol	184	8.568	8.562	(1.012)	236817	150.000	151.0
	51 4-Nitrophenol	109	8.651	8.645	(1.022)	264393	150.000	151.6
	52 Dibenzofuran	168	8.657	8.650	(1.022)	1765381	150.000	152.1
	53 2,4-Dinitrotoluene	165	8.721	8.709	(1.030)	448159	150.000	160.2
	54 Diethylphthalate	149	8.956	8.945	(1.058)	1468238	150.000	152.1
	55 Fluorene	166	8.998	8.992	(1.063)	1478760	150.000	153.3
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	816839	150.000	156.3
	57 4-Nitroaniline	138	9.092	9.062	(1.074)	344907	150.000	152.0
	58 4,6-Dinitro-2-methylphenol	198	9.115	9.103	(0.920)	336004	150.000	148.8
	59 N-Nitrosodiphenylamine	169	9.133	9.121	(0.922)	1000516	150.000	152.2
	60 1,2-Diphenylhydrazine	77	9.156	9.145	(0.924)	1524435	150.000	146.1
$	61 2,4,6-Tribromophenol (S)	330	9.256	9.250	(0.934)	360367	150.000	145.2
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	574881	150.000	159.6
	63 Hexachlorobenzene	284	9.621	9.609	(0.971)	742932	150.000	148.0
	64 Atrazine	200	9.692	9.680	(0.978)	333885	150.000	157.2
	65 Pentachlorophenol	266	9.798	9.792	(0.989)	424836	150.000	148.1
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	497403	40.0000	
	67 Phenanthrene	178	9.933	9.927	(1.002)	2184141	150.000	154.0
	68 Anthracene	178	9.980	9.968	(1.007)	2286398	150.000	155.0
	69 Carbazole	167	10.151	10.139	(1.024)	2062831	150.000	155.2
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	2550307	150.000	155.5
	71 Fluoranthene	202	11.103	11.097	(1.120)	2655636	150.000	158.8
	72 Benzidine	184	11.250	11.244	(1.135)	217290	150.000	213.8
	73 Pyrene	202	11.327	11.315	(1.143)	2792263	150.000	158.9
$	74 Terphenyl-d14 (S)	244	11.492	11.486	(1.160)	2168055	150.000	152.0
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	1194422	150.000	149.3
	76 Benzo(a)anthracene	228	12.503	12.491	(0.999)	2943030	150.000	152.8
	77 3,3'-Dichlorobenzidine	252	12.503	12.497	(0.999)	875536	150.000	154.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.521	12.515	(1.000)	749238	40.0000	
79 Chrysene	228	12.550	12.538	(1.002)	2767454	150.000	149.6
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.574	(1.005)	1747332	150.000	150.2
81 Di-n-octylphthalate	149	13.144	13.138	(0.950)	2844120	150.000	150.2
82 Benzo(b)fluoranthene	252	13.515	13.497	(0.977)	3186322	150.000	144.3
83 Benzo(k)fluoranthene	252	13.539	13.515	(0.979)	3750221	150.000	158.4(MH)
84 Benzo(a)pyrene	252	13.791	13.780	(0.997)	2957748	150.000	153.1
* 85 Perylene-d12	264	13.833	13.827	(1.000)	677328	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.668	14.650	(1.060)	3557120	150.000	151.9
87 Dibenz(a,h)anthracene	278	14.674	14.656	(1.061)	3109991	150.000	154.7
88 Benzo(g,h,i)perylene	276	14.868	14.844	(1.075)	2836538	150.000	154.0

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Report Date: 16-Apr-2009 12:21

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 150ppm.D
Lab Smp Id: 150ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	105217	-2.14
30 Naphthalene-d8	397045	198523	794090	408833	2.97
47 Acenaphthene-d10	249088	124544	498176	266708	7.07
66 Phenanthrene-d10	451720	225860	903440	497403	10.11
78 Chrysene-d12	618598	309299	1237196	749238	21.12
85 Perylene-d12	555611	277806	1111222	677328	21.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.05
85 Perylene-d12	13.83	13.33	14.33	13.83	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	146.0	
110-86-1	Pyridine	149.8	
100-52-7	Benzaldehyde	153.4	
108-95-2	Phenol	150.8	
111-44-4	bis(2-Chloroethyl)ether	149.3	
95-57-8	2-Chlorophenol	151.5	
541-73-1	1,3-Dichlorobenzene	150.8	
106-46-7	1,4-Dichlorobenzene	151.4	
100-51-6	Benzyl Alcohol	154.8	
95-50-1	1,2-Dichlorobenzene	151.4	
95-48-7	2-Methylphenol	152.7	
39638-32-9	bis(2-Chloroisopropyl)ether	139.1	
108-60-1	2,2'-Oxybis(1-chloropropane)	139.1	
98-86-2	Acetophenone	152.5	
	3&4-Methylphenol	154.5	
621-64-7	N-Nitroso-di-n-propylamine	148.3	
67-72-1	Hexachloroethane	149.5	
98-95-3	Nitrobenzene	142.7	
78-59-1	Isophorone	147.3	
88-75-5	2-Nitrophenol	152.5	
105-67-9	2,4-Dimethylphenol	149.5	
111-91-1	bis(2-Chloroethoxy)methane	145.3	
65-85-0	Benzoic Acid	151.7	
120-83-2	2,4-Dichlorophenol	154.7	
120-82-1	1,2,4-Trichlorobenzene	151.0	
91-20-3	Naphthalene	148.8	
106-47-8	4-Chloroaniline	154.5	
87-68-3	Hexachlorobutadiene	151.1	
10-60-2	Caprolactam	150.7	
59-50-7	4-Chloro-3-methylphenol	154.8	
91-57-6	2-Methylnaphthalene	150.7	
77-47-4	Hexachlorocyclopentadiene	159.0	
88-06-2	2,4,6-Trichlorophenol	152.7	
95-95-4	2,4,5-Trichlorophenol	154.4	
92-52-4	Biphenyl (Diphenyl)	147.7	
91-58-7	2-Chloronaphthalene	147.5	
88-74-4	2-Nitroaniline	146.4	
131-11-3	Dimethylphthalate	152.6	
208-96-8	Acenaphthylene	152.3	
606-20-2	2,6-Dinitrotoluene	156.4	
99-09-2	3-Nitroaniline	157.4	
83-32-9	Acenaphthene	149.8	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

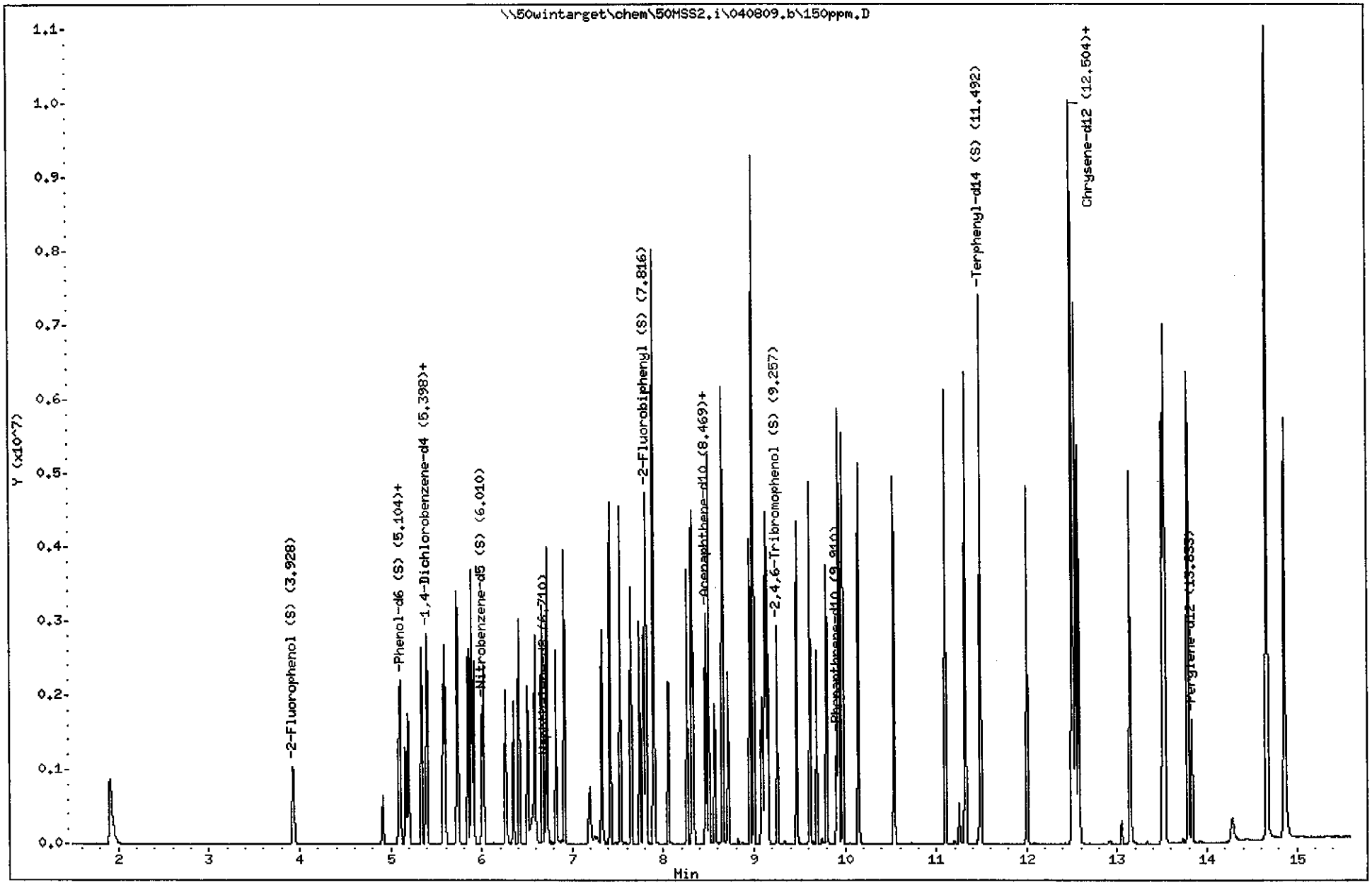
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	151.0	
100-02-7	4-Nitrophenol	151.6	
132-64-9	Dibenzofuran	152.1	
121-14-2	2,4-Dinitrotoluene	160.2	
84-66-2	Diethylphthalate	152.1	
86-73-7	Fluorene	153.3	
7005-72-3	4-Chlorophenyl-phenylether	156.3	
100-01-6	4-Nitroaniline	152.0	
534-52-1	4,6-Dinitro-2-methylphenol	148.8	
86-30-6	N-Nitrosodiphenylamine	152.2	
122-66-7	1,2-Diphenylhydrazine	146.1	
101-55-3	4-Bromophenyl-phenylether	159.6	
118-74-1	Hexachlorobenzene	148.0	
1912-24-9	Atrazine	157.2	
87-86-5	Pentachlorophenol	148.1	
85-01-8	Phenanthrene	154.0	
120-12-7	Anthracene	155.0	
86-74-8	Carbazole	155.2	
84-74-2	Di-n-butylphthalate	155.5	
206-44-0	Fluoranthene	158.8	
92-87-5	Benzidine	213.8	
129-00-0	Pyrene	158.9	
85-68-7	Butylbenzylphthalate	149.3	
56-55-3	Benzo(a)anthracene	152.8	
91-94-1	3,3'-Dichlorobenzidine	154.4	
218-01-9	Chrysene	149.6	
117-81-7	bis(2-Ethylhexyl)phthalate	150.2	
117-84-0	Di-n-octylphthalate	150.2	
205-99-2	Benzo(b)fluoranthene	144.3	
207-08-9	Benzo(k)fluoranthene	158.4	
50-32-8	Benzo(a)pyrene	153.1	
193-39-5	Indeno(1,2,3-cd)pyrene	151.9	
53-70-3	Dibenz(a,h)anthracene	154.7	
191-24-2	Benzo(g,h,i)perylene	154.0	
367-12-4	2-Fluorophenol (S)	147.7	
13127-88-3	Phenol-d6 (S)	152.2	
4165-60-0	Nitrobenzene-d5 (S)	144.6	
321-60-8	2-Fluorobiphenyl (S)	148.2	
	2,4,6-Tribromophenol (S)	145.2	
98904-43-9	Terphenyl-d14 (S)	152.0	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Date : 08-APR-2009 12:56
Client ID:
Sample Info: 150ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\175ppm.D
Lab Smp Id: 175ppm
Inj Date : 08-APR-2009 13:16
Operator : KES Inst ID: 50MSS2.i
Smp Info : 175ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	316544	175.000	165.4(H)
	2 Pyridine	79	1.910	1.927	(0.355)	561107	175.000	171.1
$	3 2-Fluorophenol (S)	112	3.933	3.927	(0.731)	514038	175.000	168.9
	4 Benzaldehyde	77	4.910	4.910	(0.913)	173642	175.000	180.0
$	5 Phenol-d6 (S)	99	5.092	5.086	(0.946)	656519	175.000	171.6
	6 Phenol	94	5.110	5.098	(0.950)	669593	175.000	169.7
	7 bis(2-Chloroethyl)ether	93	5.169	5.157	(0.961)	508203	175.000	167.6
	8 2-Chlorophenol	128	5.198	5.192	(0.966)	590049	175.000	173.2
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	681764	175.000	171.6
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	106248	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	708619	175.000	172.6
	12 Benzyl Alcohol	108	5.580	5.574	(1.037)	345008	175.000	179.5
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	663437	175.000	173.2
	14 2-Methylphenol	108	5.733	5.721	(1.066)	535452	175.000	171.9
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	623100	175.000	153.0
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	623100	175.000	153.0
	17 Acetophenone	105	5.857	5.845	(1.089)	847762	175.000	171.9
	18 3&4-Methylphenol	108	5.892	5.880	(1.095)	567187	175.000	174.5
	19 N-Nitroso-di-n-propylamine	70	5.898	5.880	(1.096)	437111	175.000	163.5
	20 Hexachloroethane	117	5.916	5.915	(1.099)	283414	175.000	169.0
$	21 Nitrobenzene-d5 (S)	82	6.010	6.004	(0.896)	711820	175.000	165.7
	22 Nitrobenzene	77	6.027	6.021	(0.898)	690314	175.000	163.6(M)
	23 Isophorone	82	6.269	6.257	(0.934)	1226952	175.000	169.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
24 2-Nitrophenol	139	6.357	6.351	(0.947)	350850	175.000	175.0
25 2,4-Dimethylphenol	122	6.421	6.409	(0.957)	525321	175.000	170.3
26 bis(2-Chloroethoxy)methane	93	6.510	6.504	(0.970)	664448	175.000	164.4
27 Benzoic Acid	122	6.586	6.486	(0.982)	304795	175.000	177.1
28 2,4-Dichlorophenol	162	6.598	6.592	(0.983)	564325	175.000	179.1
29 1,2,4-Trichlorobenzene	180	6.674	6.668	(0.995)	665173	175.000	172.3
* 30 Naphthalene-d8	136	6.710	6.704	(1.000)	406036	40.0000	
31 Naphthalene	128	6.727	6.721	(1.003)	1778270	175.000	173.2
32 4-Chloroaniline	127	6.821	6.821	(1.017)	711163	175.000	171.4
33 Hexachlorobutadiene	225	6.916	6.915	(1.031)	486842	175.000	174.7
34 Caprolactam	113	7.204	7.162	(1.074)	200390	175.000	174.2(M)
35 4-Chloro-3-methylphenol	107	7.327	7.315	(1.092)	563274	175.000	176.8(M)
36 2-Methylnaphthalene	142	7.421	7.415	(1.106)	1313947	175.000	174.2
37 Hexachlorocyclopentadiene	237	7.651	7.645	(0.903)	652575	175.000	181.1
38 2,4,6-Trichlorophenol	196	7.745	7.739	(0.915)	485673	175.000	173.5
39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	542032	175.000	174.4
$ 40 2-Fluorobiphenyl (S)	172	7.816	7.803	(0.923)	1613785	175.000	168.2
41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	1706094	175.000	170.4
42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	1381259	175.000	170.3
43 2-Nitroaniline	65	8.063	8.051	(0.952)	421698	175.000	167.6
44 Dimethylphthalate	163	8.268	8.256	(0.976)	1607210	175.000	173.0
45 Acenaphthylene	152	8.321	8.315	(0.983)	2109283	175.000	172.0
46 2,6-Dinitrotoluene	165	8.339	8.327	(0.985)	372677	175.000	179.9(M)
* 47 Acenaphthene-d10	164	8.468	8.468	(1.000)	266135	40.0000	
48 3-Nitroaniline	138	8.474	8.462	(1.001)	376218	175.000	176.5
49 Acenaphthene	153	8.504	8.498	(1.004)	1334352	175.000	172.6
50 2,4-Dinitrophenol	184	8.574	8.562	(1.013)	270890	175.000	172.0
51 4-Nitrophenol	109	8.657	8.645	(1.022)	295295	175.000	169.6
52 Dibenzofuran	168	8.663	8.650	(1.023)	2004655	175.000	173.0
53 2,4-Dinitrotoluene	165	8.721	8.709	(1.030)	505109	175.000	181.0
54 Diethylphthalate	149	8.962	8.945	(1.058)	1651709	175.000	171.5
55 Fluorene	166	8.998	8.992	(1.063)	1661808	175.000	172.7
56 4-Chlorophenyl-phenylether	204	9.004	8.992	(1.063)	921425	175.000	176.7
57 4-Nitroaniline	138	9.092	9.062	(1.074)	392014	175.000	172.9
58 4,6-Dinitro-2-methylphenol	198	9.121	9.103	(0.920)	386381	175.000	170.0
59 N-Nitrosodiphenylamine	169	9.133	9.121	(0.922)	1158022	175.000	175.7
60 1,2-Diphenylhydrazine	77	9.157	9.145	(0.924)	1694190	175.000	162.0
$ 61 2,4,6-Tribromophenol (S)	330	9.262	9.250	(0.935)	426602	175.000	170.3
62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	661303	175.000	183.1
63 Hexachlorobenzene	284	9.621	9.609	(0.971)	860052	175.000	170.3
64 Atrazine	200	9.698	9.680	(0.979)	376585	175.000	176.9
65 Pentachlorophenol	266	9.804	9.792	(0.989)	496493	175.000	171.5
* 66 Phenanthrene-d10	188	9.909	9.903	(1.000)	498682	40.0000	
67 Phenanthrene	178	9.933	9.927	(1.002)	2468805	175.000	173.7
68 Anthracene	178	9.980	9.968	(1.007)	2602816	175.000	176.0
69 Carbazole	167	10.151	10.139	(1.024)	2344043	175.000	176.0
70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	2867313	175.000	174.4
71 Fluoranthene	202	11.109	11.097	(1.121)	3017610	175.000	180.0
72 Benzidine	184	11.251	11.244	(1.135)	208537	175.000	204.8
73 Pyrene	202	11.327	11.315	(1.143)	3141356	175.000	178.3
$ 74 Terphenyl-d14 (S)	244	11.492	11.486	(1.160)	2470922	175.000	172.4
75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	1350621	175.000	168.5
76 Benzo(a)anthracene	228	12.503	12.491	(0.999)	3320636	175.000	172.0
77 3,3'-Dichlorobenzidine	252	12.509	12.497	(0.999)	968783	175.000	170.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.521	12.515	(1.000)	750627	40.0000	
79 Chrysene	228	12.550	12.538	(1.002)	3109798	175.000	167.7
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.574	(1.005)	1938651	175.000	166.3
81 Di-n-octylphthalate	149	13.150	13.138	(0.950)	3218036	175.000	173.7
82 Benzo(b)fluoranthene	252	13.515	13.497	(0.977)	3949216	175.000	182.3
83 Benzo(k)fluoranthene	252	13.539	13.515	(0.978)	3823438	175.000	165.1(MH)
84 Benzo(a)pyrene	252	13.797	13.780	(0.997)	3264263	175.000	172.6
* 85 Perylene-d12	264	13.839	13.827	(1.000)	662341	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.674	14.650	(1.060)	3952468	175.000	172.3
87 Dibenz(a,h)anthracene	278	14.674	14.656	(1.060)	3469545	175.000	176.0
88 Benzo(g,h,i)perylene	276	14.868	14.844	(1.074)	3147319	175.000	174.5

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 175ppm.D
Lab Smp Id: 175ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	106248	-1.18
30 Naphthalene-d8	397045	198523	794090	406036	2.26
47 Acenaphthene-d10	249088	124544	498176	266135	6.84
66 Phenanthrene-d10	451720	225860	903440	498682	10.40
78 Chrysene-d12	618598	309299	1237196	750627	21.34
85 Perylene-d12	555611	277806	1111222	662341	19.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.05
85 Perylene-d12	13.83	13.33	14.33	13.84	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 175ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	165.4	
110-86-1	Pyridine	171.1	
100-52-7	Benzaldehyde	180.0	
108-95-2	Phenol	169.7	
111-44-4	bis(2-Chloroethyl)ether	167.6	
95-57-8	2-Chlorophenol	173.2	
541-73-1	1,3-Dichlorobenzene	171.6	
106-46-7	1,4-Dichlorobenzene	172.6	
100-51-6	Benzyl Alcohol	179.5	
95-50-1	1,2-Dichlorobenzene	173.2	
95-48-7	2-Methylphenol	171.9	
39638-32-9	bis(2-Chloroisopropyl)ether	153.0	
108-60-1	2,2'-Oxybis(1-chloropropane)	153.0	
98-86-2	Acetophenone	171.9	
	3&4-Methylphenol	174.5	
621-64-7	N-Nitroso-di-n-propylamine	163.5	
67-72-1	Hexachloroethane	169.0	
98-95-3	Nitrobenzene	163.6	
78-59-1	Isophorone	169.9	
88-75-5	2-Nitrophenol	175.0	
105-67-9	2,4-Dimethylphenol	170.3	
111-91-1	bis(2-Chloroethoxy)methane	164.4	
65-85-0	Benzoic Acid	177.1	
120-83-2	2,4-Dichlorophenol	179.1	
120-82-1	1,2,4-Trichlorobenzene	172.3	
91-20-3	Naphthalene	173.2	
106-47-8	4-Chloroaniline	171.4	
87-68-3	Hexachlorobutadiene	174.7	
10-60-2	Caprolactam	174.2	
59-50-7	4-Chloro-3-methylphenol	176.8	
91-57-6	2-Methylnaphthalene	174.2	
77-47-4	Hexachlorocyclopentadiene	181.1	
88-06-2	2,4,6-Trichlorophenol	173.5	
95-95-4	2,4,5-Trichlorophenol	174.4	
92-52-4	Biphenyl (Diphenyl)	170.4	
91-58-7	2-Chloronaphthalene	170.3	
88-74-4	2-Nitroaniline	167.6	
131-11-3	Dimethylphthalate	173.0	
208-96-8	Acenaphthylene	172.0	
606-20-2	2,6-Dinitrotoluene	179.9	
99-09-2	3-Nitroaniline	176.5	
83-32-9	Acenaphthene	172.6	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 175ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

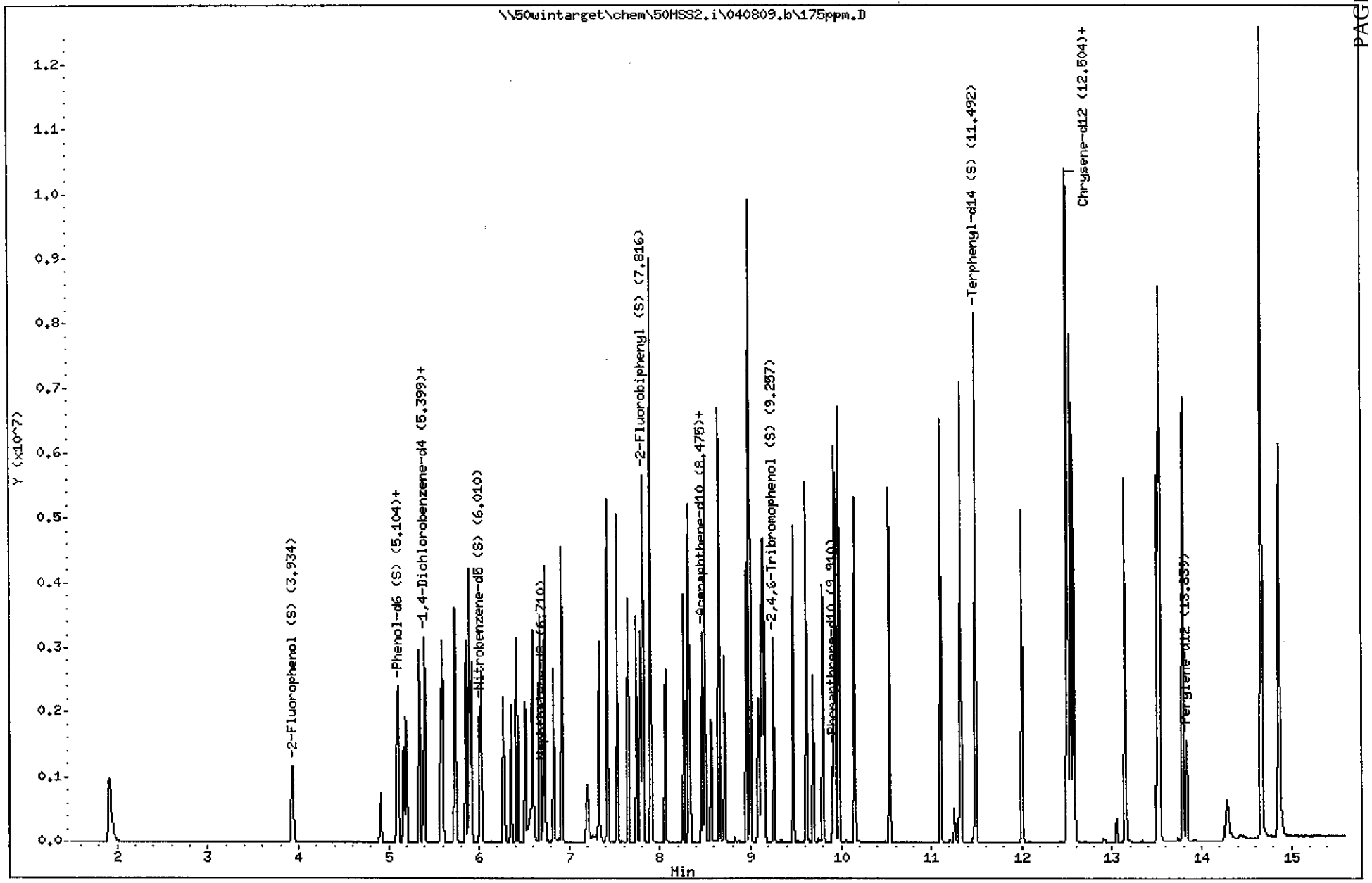
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	172.0	
100-02-7	4-Nitrophenol	169.6	
132-64-9	Dibenzofuran	173.0	
121-14-2	2,4-Dinitrotoluene	181.0	
84-66-2	Diethylphthalate	171.5	
86-73-7	Fluorene	172.7	
7005-72-3	4-Chlorophenyl-phenylether	176.7	
100-01-6	4-Nitroaniline	172.9	
534-52-1	4,6-Dinitro-2-methylphenol	170.0	
86-30-6	N-Nitrosodiphenylamine	175.7	
122-66-7	1,2-Diphenylhydrazine	162.0	
101-55-3	4-Bromophenyl-phenylether	183.1	
118-74-1	Hexachlorobenzene	170.3	
1912-24-9	Atrazine	176.9	
87-86-5	Pentachlorophenol	171.5	
85-01-8	Phenanthrene	173.7	
120-12-7	Anthracene	176.0	
86-74-8	Carbazole	176.0	
84-74-2	Di-n-butylphthalate	174.4	
206-44-0	Fluoranthene	180.0	
92-87-5	Benzidine	204.8	
129-00-0	Pyrene	178.3	
85-68-7	Butylbenzylphthalate	168.5	
56-55-3	Benzo(a)anthracene	172.0	
91-94-1	3,3'-Dichlorobenzidine	170.6	
218-01-9	Chrysene	167.7	
117-81-7	bis(2-Ethylhexyl)phthalate	166.3	
117-84-0	Di-n-octylphthalate	173.7	
205-99-2	Benzo(b)fluoranthene	182.3	
207-08-9	Benzo(k)fluoranthene	165.1	
50-32-8	Benzo(a)pyrene	172.6	
193-39-5	Indeno(1,2,3-cd)pyrene	172.3	
53-70-3	Dibenz(a,h)anthracene	176.0	
191-24-2	Benzo(g,h,i)perylene	174.5	
367-12-4	2-Fluorophenol (S)	168.9	
13127-88-3	Phenol-d6 (S)	171.6	
4165-60-0	Nitrobenzene-d5 (S)	165.7	
321-60-8	2-Fluorobiphenyl (S)	168.2	
	2,4,6-Tribromophenol (S)	170.3	
98904-43-9	Terphenyl-d14 (S)	172.4	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\175ppm.D
Date : 08-APR-2009 13:16
Client ID:
Sample Info: 175ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\200ppm.D
Lab Smp Id: 200ppm
Inj Date : 08-APR-2009 13:36
Operator : KES Inst ID: 50MSS2.i
Smp Info : 200ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	374977	200.000	201.8(H)
2 Pyridine	79	1.916	1.927	(0.356)	665355	200.000	209.0
$ 3 2-Fluorophenol (S)	112	3.933	3.927	(0.731)	603376	200.000	204.3
4 Benzaldehyde	77	4.910	4.910	(0.913)	208782	200.000	223.0
$ 5 Phenol-d6 (S)	99	5.098	5.086	(0.948)	763238	200.000	205.4
6 Phenol	94	5.110	5.098	(0.950)	773897	200.000	202.1
7 bis(2-Chloroethyl)ether	93	5.169	5.157	(0.961)	589827	200.000	200.3
8 2-Chlorophenol	128	5.198	5.192	(0.966)	691449	200.000	209.1
9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	812537	200.000	210.7
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	103139	40.0000	
11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	843639	200.000	211.7
12 Benzyl Alcohol	108	5.580	5.574	(1.037)	402942	200.000	216.0
13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	775181	200.000	208.5
14 2-Methylphenol	108	5.739	5.721	(1.067)	616676	200.000	204.0
15 bis(2-Chloroisopropyl)ether	45	5.745	5.739	(1.068)	703447	200.000	177.9
16 2,2'-Oxybis(1-chloropropane)	45	5.745	5.739	(1.068)	703447	200.000	177.9
17 Acetophenone	105	5.857	5.845	(1.089)	976872	200.000	204.1
18 3&4-Methylphenol	108	5.892	5.880	(1.095)	648650	200.000	205.6
19 N-Nitroso-di-n-propylamine	70	5.898	5.880	(1.096)	495498	200.000	190.9
20 Hexachloroethane	117	5.916	5.915	(1.099)	334138	200.000	205.3
$ 21 Nitrobenzene-d5 (S)	82	6.010	6.004	(0.896)	826551	200.000	202.0
22 Nitrobenzene	77	6.027	6.021	(0.898)	795604	200.000	198.0
23 Isophorone	82	6.268	6.257	(0.934)	1406710	200.000	204.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.357	6.351	(0.947)	405868	200.000	212.6
	25 2,4-Dimethylphenol	122	6.421	6.409	(0.957)	607868	200.000	207.0
	26 bis(2-Chloroethoxy)methane	93	6.516	6.504	(0.971)	771516	200.000	200.5
	27 Benzoic Acid	122	6.592	6.486	(0.982)	328700	200.000	198.1
	28 2,4-Dichlorophenol	162	6.598	6.592	(0.983)	651726	200.000	217.2
	29 1,2,4-Trichlorobenzene	180	6.674	6.668	(0.995)	777662	200.000	211.5
*	30 Naphthalene-d8	136	6.710	6.704	(1.000)	386614	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.003)	2053468	200.000	210.0
	32 4-Chloroaniline	127	6.827	6.821	(1.018)	798965	200.000	202.2
	33 Hexachlorobutadiene	225	6.915	6.915	(1.031)	575001	200.000	216.7
	34 Caprolactam	113	7.210	7.162	(1.075)	220783	200.000	201.3(M)
	35 4-Chloro-3-methylphenol	107	7.333	7.315	(1.093)	643618	200.000	212.2
	36 2-Methylnaphthalene	142	7.421	7.415	(1.106)	1518729	200.000	211.5
	37 Hexachlorocyclopentadiene	237	7.651	7.645	(0.903)	760642	200.000	229.0
	38 2,4,6-Trichlorophenol	196	7.745	7.739	(0.915)	558462	200.000	216.5
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	621502	200.000	217.0
$	40 2-Fluorobiphenyl (S)	172	7.815	7.803	(0.923)	1880730	200.000	212.7
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	1915973	200.000	207.7
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	1560363	200.000	208.8
	43 2-Nitroaniline	65	8.062	8.051	(0.952)	466258	200.000	201.0
	44 Dimethylphthalate	163	8.268	8.256	(0.976)	1805803	200.000	210.9
	45 Acenaphthylene	152	8.321	8.315	(0.983)	2412864	200.000	213.5
	46 2,6-Dinitrotoluene	165	8.339	8.327	(0.985)	413813	200.000	216.7(M)
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	245252	40.0000	
	48 3-Nitroaniline	138	8.474	8.462	(1.001)	420184	200.000	213.9
	49 Acenaphthene	153	8.504	8.498	(1.004)	1511861	200.000	212.2
	50 2,4-Dinitrophenol	184	8.574	8.562	(1.013)	299043	200.000	204.4
	51 4-Nitrophenol	109	8.657	8.645	(1.022)	325006	200.000	202.4
	52 Dibenzofuran	168	8.662	8.650	(1.023)	2261861	200.000	211.9
	53 2,4-Dinitrotoluene	165	8.721	8.709	(1.030)	569195	200.000	221.3
	54 Diethylphthalate	149	8.962	8.945	(1.058)	1832200	200.000	206.4
	55 Fluorene	166	8.998	8.992	(1.063)	1877937	200.000	211.7
	56 4-Chlorophenyl-phenylether	204	9.004	8.992	(1.063)	1045292	200.000	217.6
	57 4-Nitroaniline	138	9.098	9.062	(1.074)	423141	200.000	202.2
	58 4,6-Dinitro-2-methylphenol	198	9.121	9.103	(0.920)	427904	200.000	207.1
	59 N-Nitrosodiphenylamine	169	9.139	9.121	(0.922)	1309909	200.000	219.6
	60 1,2-Diphenylhydrazine	77	9.157	9.145	(0.924)	1965293	200.000	207.6
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.250	(0.935)	484346	200.000	212.1
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	749362	200.000	229.3
	63 Hexachlorobenzene	284	9.621	9.609	(0.971)	957196	200.000	208.5
	64 Atrazine	200	9.698	9.680	(0.979)	409840	200.000	212.7
	65 Pentachlorophenol	266	9.804	9.792	(0.989)	548233	200.000	207.6
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	451321	40.0000	
	67 Phenanthrene	178	9.939	9.927	(1.003)	2723454	200.000	211.7
	68 Anthracene	178	9.980	9.968	(1.007)	2849458	200.000	212.9
	69 Carbazole	167	10.156	10.139	(1.025)	2588895	200.000	214.7
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	3130335	200.000	210.4
	71 Fluoranthene	202	11.109	11.097	(1.121)	3255949	200.000	214.6
	72 Benzidine	184	11.250	11.244	(1.135)	208802	200.000	226.2
	73 Pyrene	202	11.327	11.315	(1.143)	3440801	200.000	215.8
$	74 Terphenyl-d14 (S)	244	11.492	11.486	(1.160)	2635838	200.000	202.8
	75 Butylbenzylphthalate	149	12.009	11.997	(0.959)	1425277	200.000	210.1
	76 Benzo(a)anthracene	228	12.503	12.491	(0.999)	3434248	200.000	210.3
	77 3,3'-Dichlorobenzidine	252	12.509	12.497	(0.999)	1013077	200.000	210.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.521	12.515	(1.000)	635194	40.0000	
79 Chrysene	228	12.550	12.538	(1.002)	3258365	200.000	207.7
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.574	(1.005)	2039278	200.000	206.7
81 Di-n-octylphthalate	149	13.150	13.138	(0.951)	3310333	200.000	218.3
82 Benzo(b)fluoranthene	252	13.515	13.497	(0.977)	4119064	200.000	231.9
83 Benzo(k)fluoranthene	252	13.539	13.515	(0.979)	3868159	200.000	204.0(MH)
84 Benzo(a)pyrene	252	13.797	13.780	(0.997)	3332258	200.000	215.2
* 85 Perylene-d12	264	13.833	13.827	(1.000)	541494	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.674	14.650	(1.061)	4117037	200.000	218.7
87 Dibenz(a,h)anthracene	278	14.674	14.656	(1.061)	3650517	200.000	225.6
88 Benzo(g,h,i)perylene	276	14.868	14.844	(1.075)	3349437	200.000	226.6

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 200ppm.D
Lab Smp Id: 200ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	103139	-4.07
30 Naphthalene-d8	397045	198523	794090	386614	-2.63
47 Acenaphthene-d10	249088	124544	498176	245252	-1.54
66 Phenanthrene-d10	451720	225860	903440	451321	-0.09
78 Chrysene-d12	618598	309299	1237196	635194	2.68
85 Perylene-d12	555611	277806	1111222	541494	-2.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.05
85 Perylene-d12	13.83	13.33	14.33	13.83	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	201.8	
110-86-1	Pyridine	209.0	
100-52-7	Benzaldehyde	223.0	
108-95-2	Phenol	202.1	
111-44-4	bis(2-Chloroethyl)ether	200.3	
95-57-8	2-Chlorophenol	209.1	
541-73-1	1,3-Dichlorobenzene	210.7	
106-46-7	1,4-Dichlorobenzene	211.7	
100-51-6	Benzyl Alcohol	216.0	
95-50-1	1,2-Dichlorobenzene	208.5	
95-48-7	2-Methylphenol	204.0	
39638-32-9	bis(2-Chloroisopropyl)ether	177.9	
108-60-1	2,2'-Oxybis(1-chloropropane)	177.9	
98-86-2	Acetophenone	204.1	
	3&4-Methylphenol	205.6	
621-64-7	N-Nitroso-di-n-propylamine	190.9	
67-72-1	Hexachloroethane	205.3	
98-95-3	Nitrobenzene	198.0	
78-59-1	Isophorone	204.6	
88-75-5	2-Nitrophenol	212.6	
105-67-9	2,4-Dimethylphenol	207.0	
111-91-1	bis(2-Chloroethoxy)methane	200.5	
65-85-0	Benzoic Acid	198.1	
120-83-2	2,4-Dichlorophenol	217.2	
120-82-1	1,2,4-Trichlorobenzene	211.5	
91-20-3	Naphthalene	210.0	
106-47-8	4-Chloroaniline	202.2	
87-68-3	Hexachlorobutadiene	216.7	
10-60-2	Caprolactam	201.3	
59-50-7	4-Chloro-3-methylphenol	212.2	
91-57-6	2-Methylnaphthalene	211.5	
77-47-4	Hexachlorocyclopentadiene	229.0	
88-06-2	2,4,6-Trichlorophenol	216.5	
95-95-4	2,4,5-Trichlorophenol	217.0	
92-52-4	Biphenyl (Diphenyl)	207.7	
91-58-7	2-Chloronaphthalene	208.8	
88-74-4	2-Nitroaniline	201.0	
131-11-3	Dimethylphthalate	210.9	
208-96-8	Acenaphthylene	213.5	
606-20-2	2,6-Dinitrotoluene	216.7	
99-09-2	3-Nitroaniline	213.9	
83-32-9	Acenaphthene	212.2	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

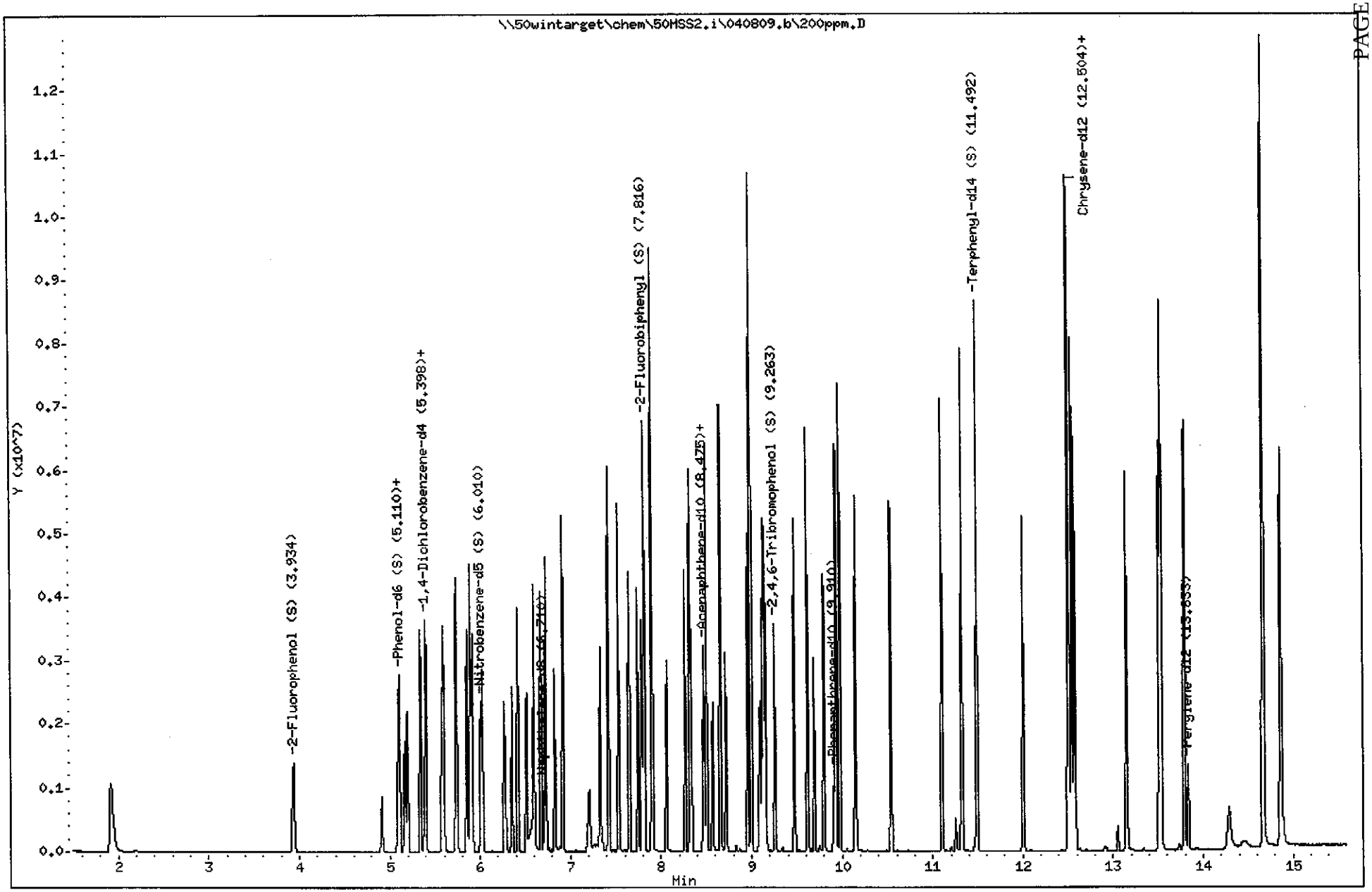
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	204.4	
100-02-7	4-Nitrophenol	202.4	
132-64-9	Dibenzofuran	211.9	
121-14-2	2,4-Dinitrotoluene	221.3	
84-66-2	Diethylphthalate	206.4	
86-73-7	Fluorene	211.7	
7005-72-3	4-Chlorophenyl-phenylether	217.6	
100-01-6	4-Nitroaniline	202.2	
534-52-1	4,6-Dinitro-2-methylphenol	207.1	
86-30-6	N-Nitrosodiphenylamine	219.6	
122-66-7	1,2-Diphenylhydrazine	207.6	
101-55-3	4-Bromophenyl-phenylether	229.3	
118-74-1	Hexachlorobenzene	208.5	
1912-24-9	Atrazine	212.7	
87-86-5	Pentachlorophenol	207.6	
85-01-8	Phenanthrene	211.7	
120-12-7	Anthracene	212.9	
86-74-8	Carbazole	214.7	
84-74-2	Di-n-butylphthalate	210.4	
206-44-0	Fluoranthene	214.6	
92-87-5	Benzidine	226.2	
129-00-0	Pyrene	215.8	
85-68-7	Butylbenzylphthalate	210.1	
56-55-3	Benzo(a)anthracene	210.3	
91-94-1	3,3'-Dichlorobenzidine	210.8	
218-01-9	Chrysene	207.7	
117-81-7	bis(2-Ethylhexyl)phthalate	206.7	
117-84-0	Di-n-octylphthalate	218.3	
205-99-2	Benzo(b)fluoranthene	231.9	
207-08-9	Benzo(k)fluoranthene	204.0	
50-32-8	Benzo(a)pyrene	215.2	
193-39-5	Indeno(1,2,3-cd)pyrene	218.7	
53-70-3	Dibenz(a,h)anthracene	225.6	
191-24-2	Benzo(g,h,i)perylene	226.6	
367-12-4	2-Fluorophenol (S)	204.3	
13127-88-3	Phenol-d6 (S)	205.4	
4165-60-0	Nitrobenzene-d5 (S)	202.0	
321-60-8	2-Fluorobiphenyl (S)	212.7	
	2,4,6-Tribromophenol (S)	212.1	
98904-43-9	Terphenyl-d14 (S)	202.8	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\200ppm.D
Date : 08-APR-2009 13:36
Client ID:
Sample Info: 200ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Lab Smp Id: h057k
Inj Date : 08-APR-2009 15:46
Operator : KES Inst ID: 50MSS2.i
Smp Info : h057k
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 30-Apr-2009 12:33 tsheingold Quant Type: ISTD
Cal Date : 08-APR-2009 11:15 Cal File: 5ppm.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

OK

8/9 4/30/09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
1 N-Nitrosodimethylamine	42	1.916	1.910	(0.356)	229872	109.010	109.0(H)
$ 3 2-Fluorophenol (S)	112	3.945	3.927	(0.733)	382902	114.225	114.2(R)
$ 5 Phenol-d6 (S)	99	5.098	5.092	(0.948)	453923	107.666	107.7(R)
6 Phenol	94	5.115	5.104	(0.951)	487788	112.228	112.2
7 bis(2-Chloroethyl)ether	93	5.162	5.163	(0.960)	349124	104.482	104.5
8 2-Chlorophenol	128	5.198	5.192	(0.966)	418066	111.397	111.4
9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	475681	108.710	108.7
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	117050	40.0000	
11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	479568	106.036	106.0
12 Benzyl Alcohol	108	5.580	5.574	(1.037)	160878	75.9814	75.98
13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	458687	108.713	108.7
14 2-Methylphenol	108	5.733	5.733	(1.066)	360950	105.194	105.2
15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	460521	102.650	102.6
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	460521	102.650	102.6
18 3&4-Methylphenol	108	5.886	5.886	(1.094)	375001	104.712	104.7
19 N-Nitroso-di-n-propylamine	70	5.892	5.886	(1.095)	281137	95.4490	95.45
20 Hexachloroethane	117	5.915	5.915	(1.099)	197785	107.084	107.1
$ 21 Nitrobenzene-d5 (S)	82	6.003	6.004	(0.895)	455721	99.3573	99.36
22 Nitrobenzene	77	6.027	6.021	(0.898)	458501	101.773	101.8
23 Isophorone	82	6.268	6.263	(0.934)	631437	81.9049	81.90
24 2-Nitrophenol	139	6.351	6.351	(0.947)	235563	110.044	110.0
25 2,4-Dimethylphenol	122	6.415	6.415	(0.956)	368906	112.036	112.0
26 bis(2-Chloroethoxy)methane	93	6.509	6.510	(0.970)	442716	102.594	102.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	27 Benzoic Acid	122	6.586	6.563	(0.982)	224678	126.816	126.8
	28 2,4-Dichlorophenol	162	6.598	6.592	(0.983)	376415	111.909	111.9
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.994)	433452	105.160	105.2
*	30 Naphthalene-d8	136	6.709	6.704	(1.000)	433486	40.0000	
	31 Naphthalene	128	6.727	6.727	(1.003)	1169486	106.690	106.7
	33 Hexachlorobutadiene	225	6.915	6.915	(1.031)	341912	114.923	114.9
	35 4-Chloro-3-methylphenol	107	7.321	7.321	(1.091)	361605	106.336	106.3
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	804110	99.8719	99.87
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	274540	82.8984	82.90
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	304398	118.325	118.3
	39 2,4,5-Trichlorophenol	196	7.780	7.786	(0.919)	333453	116.754	116.8
$	40 2-Fluorobiphenyl (S)	172	7.809	7.809	(0.922)	928109	105.246	105.2
	42 2-Chloronaphthalene	162	7.903	7.904	(0.933)	788142	105.758	105.8
	43 2-Nitroaniline	65	8.056	8.057	(0.951)	258429	111.736	111.7
	44 Dimethylphthalate	163	8.262	8.262	(0.976)	867793	101.618	101.6
	45 Acenaphthylene	152	8.315	8.315	(0.982)	1220429	108.265	108.3
	46 2,6-Dinitrotoluene	165	8.333	8.333	(0.984)	202478	106.333	106.3
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	244588	40.0000	
	48 3-Nitroaniline	138	8.468	8.468	(1.000)	212881	108.674	108.7
	49 Acenaphthene	153	8.503	8.498	(1.004)	773760	108.891	108.9
	50 2,4-Dinitrophenol	184	8.568	8.562	(1.012)	146873	104.773	104.8
	51 4-Nitrophenol	109	8.650	8.645	(1.022)	166446	104.268	104.3
	52 Dibenzofuran	168	8.656	8.656	(1.022)	1146258	107.664	107.7
	53 2,4-Dinitrotoluene	165	8.715	8.715	(1.029)	271941	106.009	106.0
	54 Diethylphthalate	149	8.956	8.951	(1.058)	852716	96.3317	96.33
	55 Fluorene	166	8.997	8.992	(1.063)	929725	105.117	105.1
	56 4-Chlorophenyl-phenylether	204	8.997	8.998	(1.063)	495652	103.446	103.4
	57 4-Nitroaniline	138	9.080	9.080	(1.072)	210381	101.776	101.8
	58 4,6-Dinitro-2-methylphenol	198	9.109	9.109	(0.919)	194803	99.6255	99.62
	59 N-Nitrosodiphenylamine	169	9.127	9.127	(0.921)	654421	113.343	113.3
	60 1,2-Diphenylhydrazine	77	9.150	9.151	(0.923)	982024	107.161	107.2(R)
$	61 2,4,6-Tribromophenol (S)	330	9.256	9.256	(0.934)	188995	89.2306	89.23
	62 4-Bromophenyl-phenylether	248	9.474	9.474	(0.956)	293973	92.9301	92.93
	63 Hexachlorobenzene	284	9.615	9.615	(0.970)	403967	93.1203	93.12
	65 Pentachlorophenol	266	9.797	9.798	(0.989)	255474	103.699	103.7
*	66 Phenanthrene-d10	188	9.909	9.909	(1.000)	436859	40.0000	
	67 Phenanthrene	178	9.933	9.933	(1.002)	1324855	106.388	106.4
	68 Anthracene	178	9.974	9.974	(1.007)	1288055	99.4264	99.43
	69 Carbazole	167	10.150	10.151	(1.024)	1234678	105.807	105.8
	70 Di-n-butylphthalate	149	10.538	10.539	(1.064)	1422176	98.7579	98.76
	71 Fluoranthene	202	11.103	11.103	(1.120)	1474323	100.380	100.4
	72 Benzidine	184	11.250	11.250	(1.135)	62066	71.7057	71.70
	73 Pyrene	202	11.321	11.321	(1.142)	1534675	99.4432	99.44
$	74 Terphenyl-d14 (S)	244	11.485	11.486	(1.159)	1259502	101.426	101.4
	75 Butylbenzylphthalate	149	12.003	12.003	(0.959)	646526	111.397	111.4
	76 Benzo(a)anthracene	228	12.503	12.497	(0.999)	1605461	114.871	114.9
	77 3,3'-Dichlorobenzidine	252	12.503	12.503	(0.999)	664408	161.567	161.6
*	78 Chrysene-d12	240	12.515	12.515	(1.000)	543542	40.0000	
	79 Chrysene	228	12.544	12.544	(1.002)	1476886	110.019	110.0
	80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	892045	105.682	105.7
	81 Di-n-octylphthalate	149	13.144	13.144	(0.950)	1460048	101.087	101.1
	82 Benzo(b)fluoranthene	252	13.509	13.509	(0.977)	1919593	114.090	114.1
	83 Benzo(k)fluoranthene	252	13.532	13.527	(0.978)	1725291	95.8171	95.82(MH)
	84 Benzo(a)pyrene	252	13.785	13.786	(0.997)	1500355	101.991	102.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 85 Perylene-d12	264	13.832	13.833	(1.000)	518316	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.662	14.662	(1.060)	2166554	121.514	121.5
87 Dibenz(a,h)anthracene	278	14.668	14.668	(1.060)	1888485	123.399	123.4
88 Benzo(g,h,i)perylene	276	14.862	14.856	(1.074)	1707136	121.560	121.6

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: icv-b.D
Lab Smp Id: h057k
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	117050	8.86
30 Naphthalene-d8	397045	198523	794090	433486	9.18
47 Acenaphthene-d10	249088	124544	498176	244588	-1.81
66 Phenanthrene-d10	451720	225860	903440	436859	-3.29
78 Chrysene-d12	618598	309299	1237196	543542	-12.13
85 Perylene-d12	555611	277806	1111222	518316	-6.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.08
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	-0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: h057k
Level: LOW
Data Type: MS DATA
SpikeList File: icv.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Client SDG: 040809.b
Fraction: SV

Operator: KES
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 N-Nitrosodimethyla	100.0	109.0	109.01	70-130
6 Phenol	100.0	112.2	112.23	70-130
7 bis(2-Chloroethyl)	100.0	104.5	104.48	70-130
8 2-Chlorophenol	100.0	111.4	111.40	70-130
9 1,3-Dichlorobenzen	100.0	108.7	108.71	70-130
11 1,4-Dichlorobenzen	100.0	106.0	106.04	70-130
13 1,2-Dichlorobenzen	100.0	108.7	108.71	70-130
14 2-Methylphenol	100.0	105.2	105.19	70-130
15 bis(2-Chloroisopro	100.0	102.6	102.65	70-130
18 3&4-Methylphenol	100.0	104.7	104.71	70-130
19 N-Nitroso-di-n-pro	100.0	95.45	95.45	70-130
20 Hexachloroethane	100.0	107.1	107.08	70-130
22 Nitrobenzene	100.0	101.8	101.77	70-130
23 Isophorone	100.0	81.90	81.90	70-130
24 2-Nitrophenol	100.0	110.0	110.04	70-130
25 2,4-Dimethylphenol	100.0	112.0	112.04	70-130
26 bis(2-Chloroethoxy	100.0	102.6	102.59	70-130
28 2,4-Dichlorophenol	100.0	111.9	111.91	70-130
29 1,2,4-Trichloroben	100.0	105.2	105.16	70-130
31 Naphthalene	100.0	106.7	106.69	70-130
32 4-Chloroaniline	100.0	0.000	*	70-130
33 Hexachlorobutadien	100.0	114.9	114.92	70-130
35 4-Chloro-3-methylp	100.0	106.3	106.34	70-130
36 2-Methylnaphthalen	100.0	99.87	99.87	70-130
37 Hexachlorocyclopen	100.0	82.90	82.90	70-130
38 2,4,6-Trichlorophe	100.0	118.3	118.33	70-130
42 2-Chloronaphthalen	100.0	105.8	105.76	70-130
43 2-Nitroaniline	100.0	111.7	111.74	70-130
44 Dimethylphthalate	100.0	101.6	101.62	70-130
46 2,6-Dinitrotoluene	100.0	106.3	106.33	70-130
45 Acenaphthylene	100.0	108.3	108.27	70-130
48 3-Nitroaniline	100.0	108.7	108.67	70-130
49 Acenaphthene	100.0	108.9	108.89	70-130
50 2,4-Dinitrophenol	100.0	104.8	104.77	70-130
51 4-Nitrophenol	100.0	104.3	104.27	70-130
53 2,4-Dinitrotoluene	100.0	106.0	106.01	70-130
52 Dibenzofuran	100.0	107.7	107.66	70-130
54 Diethylphthalate	100.0	96.33	96.33	70-130
55 Fluorene	100.0	105.1	105.12	70-130
56 4-Chlorophenyl-phe	100.0	103.4	103.45	70-130

OK
KS
4/30/09

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
57 4-Nitroaniline	100.0	101.8	101.78	70-130
58 4,6-Dinitro-2-meth	100.0	99.62	99.63	70-130
60 1,2-Diphenylhydraz	50.00	107.2	214.32*	70-130
62 4-Bromophenyl-phen	100.0	92.93	92.93	70-130
63 Hexachlorobenzene	100.0	93.12	93.12	70-130
65 Pentachlorophenol	100.0	103.7	103.70	70-130
67 Phenanthrene	100.0	106.4	106.39	70-130
68 Anthracene	100.0	99.43	99.43	70-130
69 Carbazole	100.0	105.8	105.81	70-130
70 Di-n-butylphthalat	100.0	98.76	98.76	70-130
71 Fluoranthene	100.0	100.4	100.38	70-130
73 Pyrene	100.0	99.44	99.44	70-130
75 Butylbenzylphthala	100.0	111.4	111.40	70-130
80 bis(2-Ethylhexyl)p	100.0	105.7	105.68	70-130
76 Benzo(a)anthracene	100.0	114.9	114.87	70-130
79 Chrysene	100.0	110.0	110.02	70-130
81 Di-n-octylphthalat	100.0	101.1	101.09	70-130
82 Benzo(b)fluoranthe	100.0	114.1	114.09	70-130
83 Benzo(k)fluoranthe	100.0	95.82	95.82	70-130
84 Benzo(a)pyrene	100.0	102.0	101.99	70-130
86 Indeno(1,2,3-cd)py	100.0	121.5	121.51	70-130
87 Dibenz(a,h)anthrac	100.0	123.4	123.40	70-130
88 Benzo(g,h,i)peryle	100.0	121.6	121.56	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	114.2	114.23*	25-78
$ 5 Phenol-d6 (S)	100.0	107.7	107.67*	13-80
$ 21 Nitrobenzene-d5 (S	100.0	99.36	99.36	38-129
$ 40 2-Fluorobiphenyl (	100.0	105.2	105.25	39-128
$ 61 2,4,6-Tribromophen	100.0	89.23	89.23	35-130
$ 74 Terphenyl-d14 (S)	100.0	101.4	101.43	31-130

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h057k
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	109.0	
108-95-2	Phenol	112.2	
111-44-4	bis(2-Chloroethyl)ether	104.5	
95-57-8	2-Chlorophenol	111.4	
541-73-1	1,3-Dichlorobenzene	108.7	
106-46-7	1,4-Dichlorobenzene	106.0	
100-51-6	Benzyl Alcohol	75.98	
95-50-1	1,2-Dichlorobenzene	108.7	
95-48-7	2-Methylphenol	105.2	
39638-32-9	bis(2-Chloroisopropyl)ether	102.6	
108-60-1	2,2'-Oxybis(1-chloropropane)	102.6	
	3&4-Methylphenol	104.7	
621-64-7	N-Nitroso-di-n-propylamine	95.45	
67-72-1	Hexachloroethane	107.1	
98-95-3	Nitrobenzene	101.8	
78-59-1	Isophorone	81.90	
88-75-5	2-Nitrophenol	110.0	
105-67-9	2,4-Dimethylphenol	112.0	
111-91-1	bis(2-Chloroethoxy)methane	102.6	
65-85-0	Benzoic Acid	126.8	
120-83-2	2,4-Dichlorophenol	111.9	
120-82-1	1,2,4-Trichlorobenzene	105.2	
91-20-3	Naphthalene	106.7	
87-68-3	Hexachlorobutadiene	114.9	
59-50-7	4-Chloro-3-methylphenol	106.3	
91-57-6	2-Methylnaphthalene	99.87	
77-47-4	Hexachlorocyclopentadiene	82.90	
88-06-2	2,4,6-Trichlorophenol	118.3	
95-95-4	2,4,5-Trichlorophenol	116.8	
91-58-7	2-Chloronaphthalene	105.8	
88-74-4	2-Nitroaniline	111.7	
131-11-3	Dimethylphthalate	101.6	
208-96-8	Acenaphthylene	108.3	
606-20-2	2,6-Dinitrotoluene	106.3	
99-09-2	3-Nitroaniline	108.7	
83-32-9	Acenaphthene	108.9	
51-28-5	2,4-Dinitrophenol	104.8	
100-02-7	4-Nitrophenol	104.3	
132-64-9	Dibenzofuran	107.7	
121-14-2	2,4-Dinitrotoluene	106.0	
84-66-2	Diethylphthalate	96.33	
86-73-7	Fluorene	105.1	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h057k
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

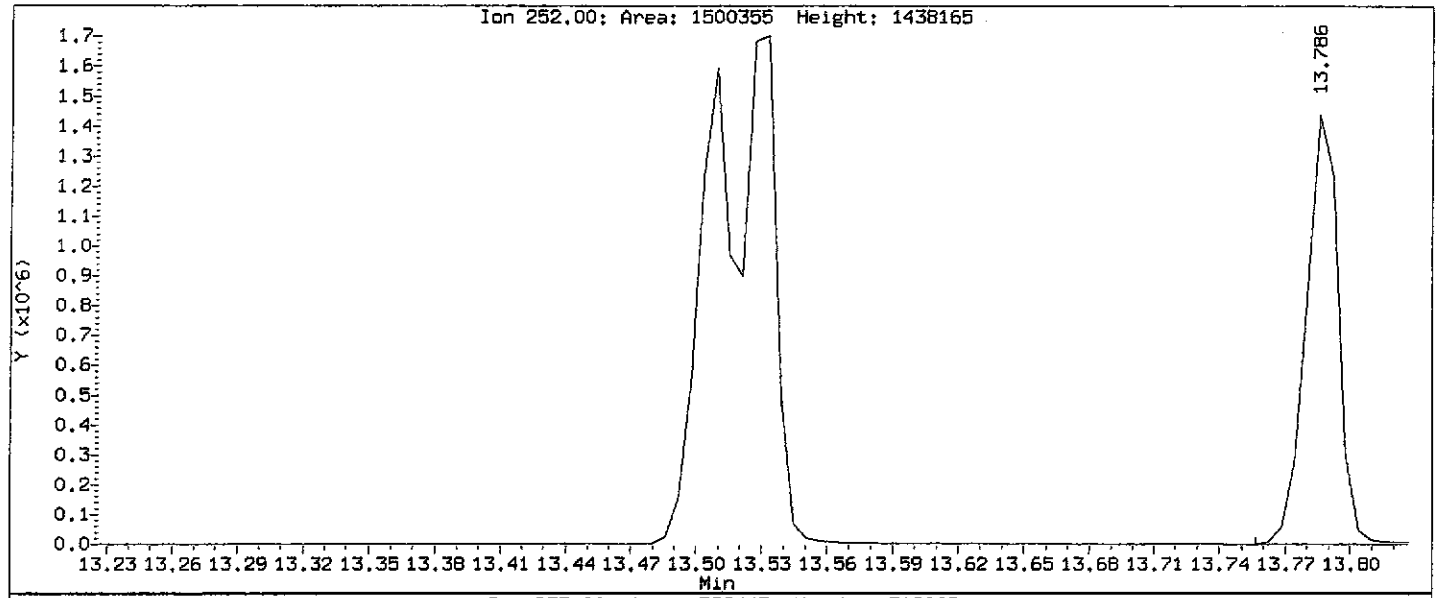
Client SDG: 040809.b

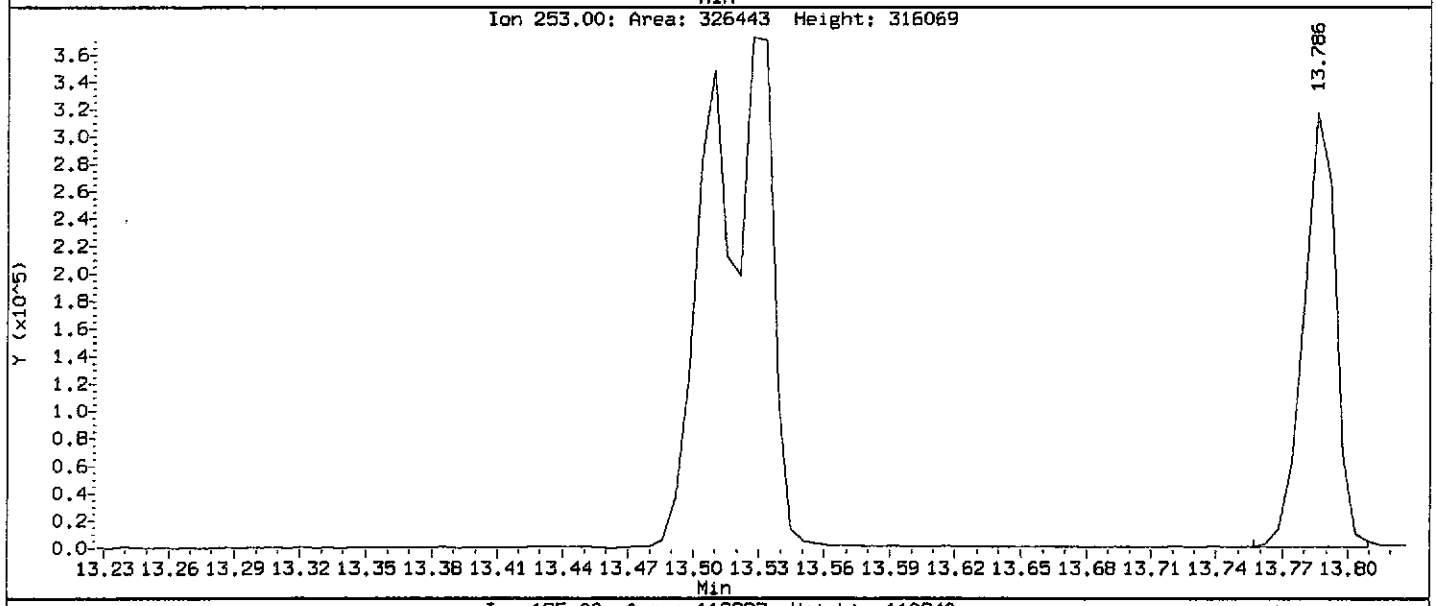
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

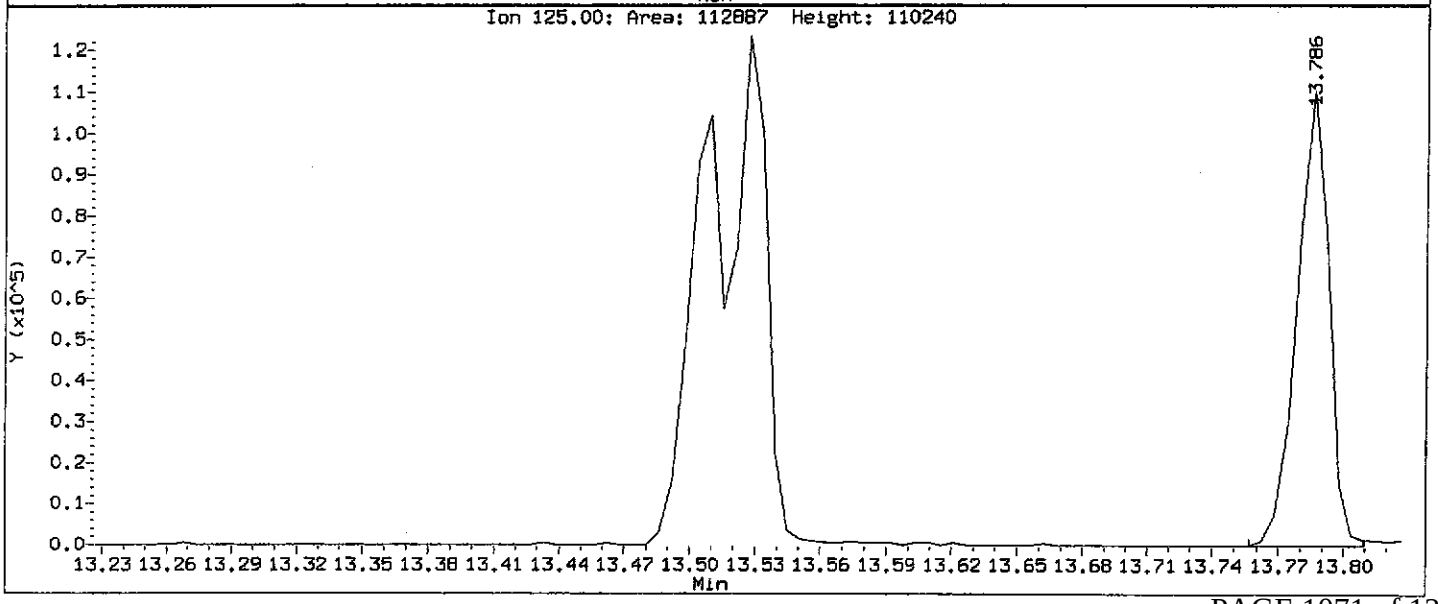
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
7005-72-3	4-Chlorophenyl-phenylether	103.4	
100-01-6	4-Nitroaniline	101.8	
534-52-1	4,6-Dinitro-2-methylphenol	99.62	
86-30-6	N-Nitrosodiphenylamine	113.3	
122-66-7	1,2-Diphenylhydrazine	107.2	
101-55-3	4-Bromophenyl-phenylether	92.93	
118-74-1	Hexachlorobenzene	93.12	
87-86-5	Pentachlorophenol	103.7	
85-01-8	Phenanthrene	106.4	
120-12-7	Anthracene	99.43	
86-74-8	Carbazole	105.8	
84-74-2	Di-n-butylphthalate	98.76	
206-44-0	Fluoranthene	100.4	
92-87-5	Benzidine	71.70	
129-00-0	Pyrene	99.44	
85-68-7	Butylbenzylphthalate	111.4	
56-55-3	Benzo(a)anthracene	114.9	
91-94-1	3,3'-Dichlorobenzidine	161.6	
218-01-9	Chrysene	110.0	
117-81-7	bis(2-Ethylhexyl)phthalate	105.7	
117-84-0	Di-n-octylphthalate	101.1	
205-99-2	Benzo(b)fluoranthene	114.1	
207-08-9	Benzo(k)fluoranthene	95.82	
50-32-8	Benzo(a)pyrene	102.0	
193-39-5	Indeno(1,2,3-cd)pyrene	121.5	
53-70-3	Dibenz(a,h)anthracene	123.4	
191-24-2	Benzo(g,h,i)perylene	121.6	
367-12-4	2-Fluorophenol (S)	114.2	
13127-88-3	Phenol-d6 (S)	107.7	
4165-60-0	Nitrobenzene-d5 (S)	99.36	
321-60-8	2-Fluorobiphenyl (S)	105.2	
	2,4,6-Tribromophenol (S)	89.23	
98904-43-9	Terphenyl-d14 (S)	101.4	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Injection Date: 08-APR-2009 15:46
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

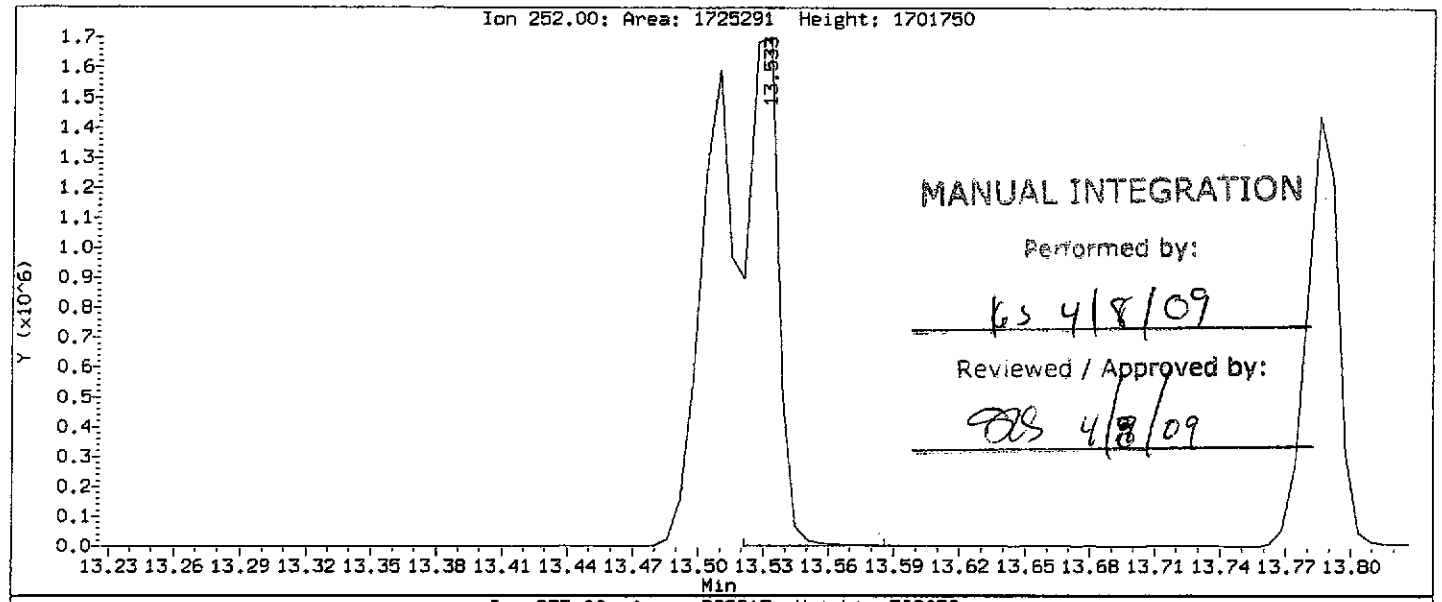


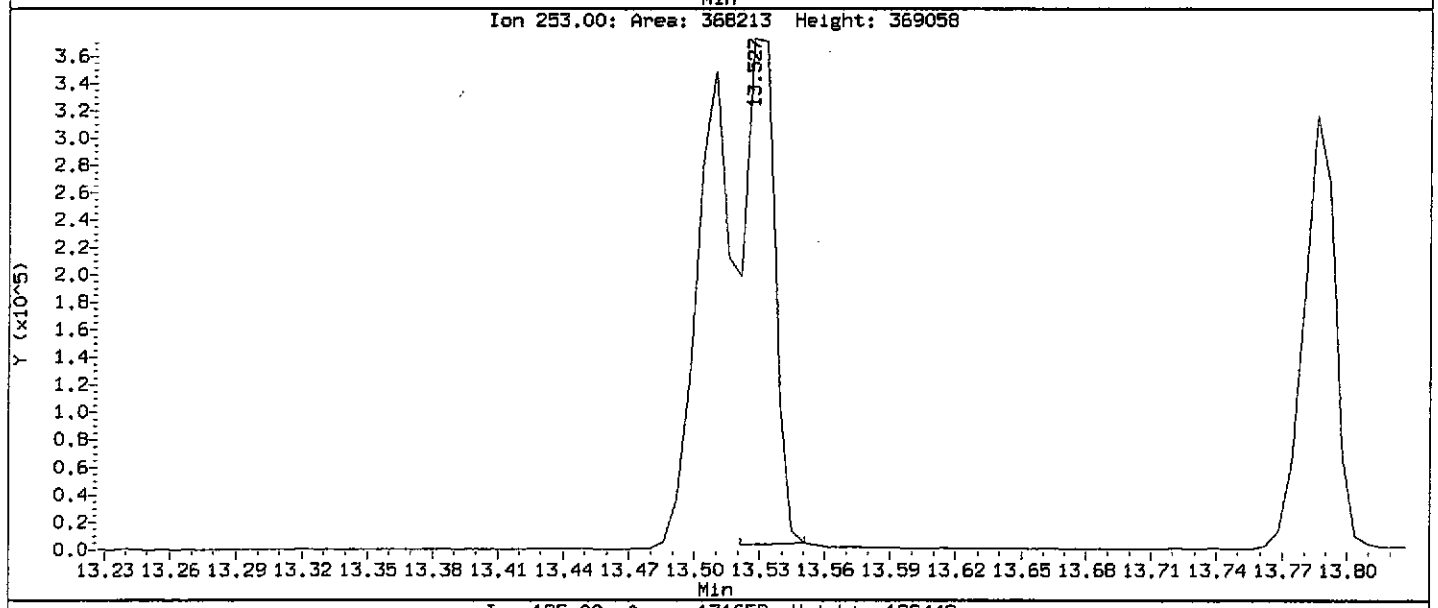


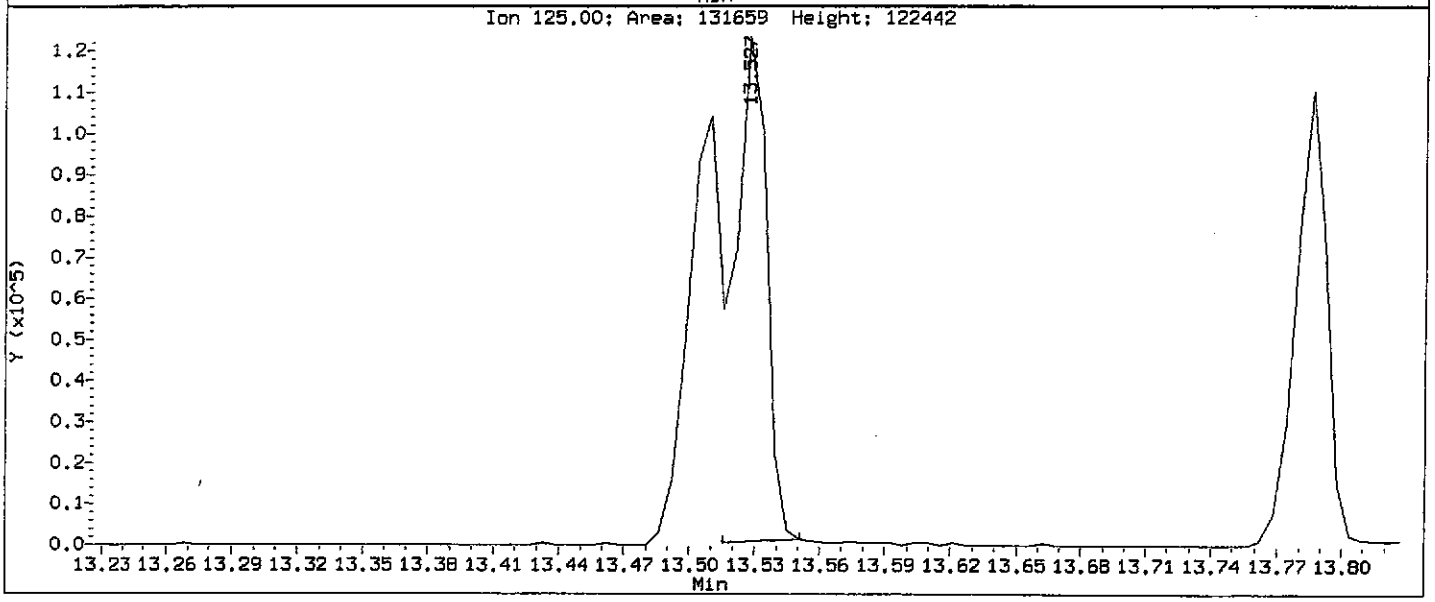


Data File: \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Injection Date: 08-APR-2009 15:46
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

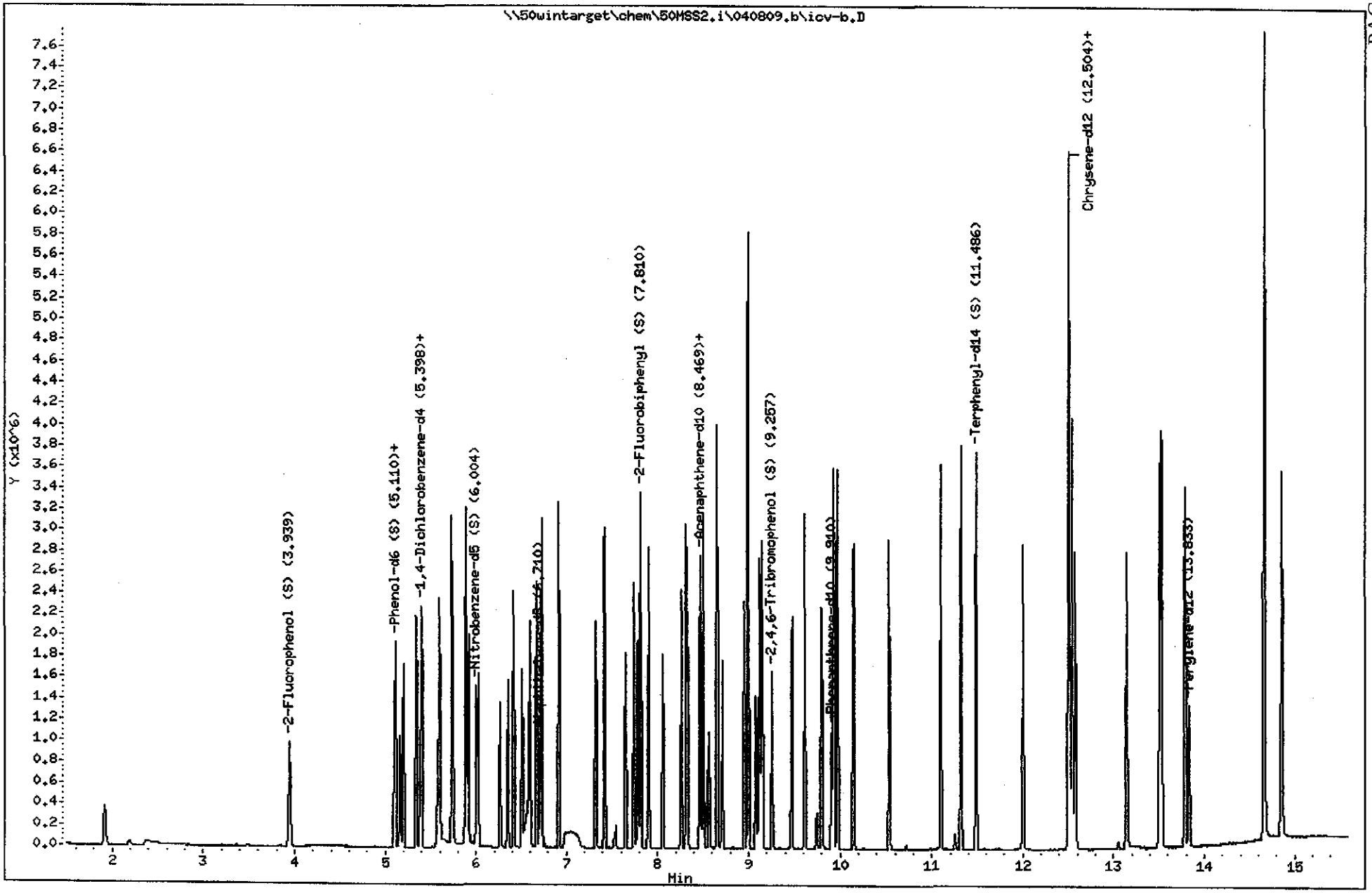






Data File: \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Date : 08-APR-2009 15:46
Client ID:
Sample Info: h057k
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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GC/MS Semi-volatiles

Section 3: Calibration Verification Data

** Calibration Verification Summary Table*
**DFTPP Tune Information*
** Calibration Verification Standards*

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID: DF0416A DFTPP Injection Date: 04/16/09

Instrument ID: 50MSS2 DFTPP Injection Time: 0930

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.7
68	Less than 2.0% of mass 69	0.8 (1.8)1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	28.4
365	Greater than 1.0% of mass 198	4.65
441	Present, but less than mass 443	7.9
442	Greater than 40.0% of mass 198	52.1
443	17.0 - 23.0% of mass 442	11.4 (21.9)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		H061F	100-A	04/16/09	0950
02	286984	286984	286984B	04/16/09	1151
03	286985	286985	286985L	04/16/09	1211
04	286986	286986	286986M	04/16/09	1231
05	286987	286987	286987D	04/16/09	1251
06	034	5025166034	5025166034	04/16/09	1311
07	035	5025166035	5025166035	04/16/09	1332
08	036	5025166036	5025166036	04/16/09	1352
09	005	5025200005	5025200005	04/16/09	1412
10	008	5025209008	5025209008	04/16/09	1533
11	012	5025209012	5025209012	04/16/09	1553
12	014	5025209014	5025209014	04/16/09	1613
13	016	5025209016	5025209016	04/16/09	1633
14	018	5025209018	5025209018	04/16/09	1653
15	020	5025209020	5025209020	04/16/09	1713
16	003	5025209003	5025209003	04/16/09	1734
17	006	5025209006	5025209006	04/16/09	1754
18	286792	286792	286792M	04/16/09	1814
19	286793	286793	286793D	04/16/09	1834
20	017	5025209017	5025209017	04/16/09	1854
21	001	5025209001	5025209001	04/16/09	1914
22	002	5025209002	5025209002	04/16/09	1934

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID: DF0416A DFTPP Injection Date: 04/16/09

Instrument ID: 50MSS2 DFTPP Injection Time: 0930

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.7
68	Less than 2.0% of mass 69	0.8 (1.8)1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	28.4
365	Greater than 1.0% of mass 198	4.65
441	Present, but less than mass 443	7.9
442	Greater than 40.0% of mass 198	52.1
443	17.0 - 23.0% of mass 442	11.4 (21.9)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	007	5025209007	5025209007	04/16/09	1954
02	009	5025209009	5025209009	04/16/09	2015
03	010	5025209010	5025209010	04/16/09	2035
04	011	5025209011	5025209011	04/16/09	2156
05	013	5025209013	5025209013	04/16/09	2216
06	005	5025209005	5025209005	04/16/09	2236
07	015	5025209015	5025209015	04/16/09	2256
08	019	5025209019	5025209019	04/16/09	2316
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Instrument ID: 50MSS2 Calibration Date: 04/16/09 Time: 0950

Lab File ID: 100-A Init. Calib. Date(s): 04/08/09 04/08/09

Init. Calib. Times: 1054 1336

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Phenol	93.83	100.0	AVRG	6.2	20.0	
bis(2-Chloroethyl)ether	94.93	100.0	AVRG	5.1	20.0	
2-Chlorophenol	96.42	100.0	AVRG	3.6	20.0	
1,3-Dichlorobenzene	101.0	100.0	AVRG	-1.0	20.0	
1,4-Dichlorobenzene	100.8	100.0	AVRG	-0.8	20.0	
N-Nitrosodimethylamine	97.84	100.0	AVRG	2.2	20.0	
Benzyl Alcohol	105.4	100.0	AVRG	-5.4	20.0	
1,2-Dichlorobenzene	100.4	100.0	AVRG	-0.4	20.0	
2-Methylphenol	93.46	100.0	AVRG	6.5	20.0	
bis(2-Chloroisopropyl)ether	86.28	100.0	AVRG	13.7	20.0	
N-Nitroso-di-n-propylamine	91.35	100.0	AVRG	8.6	20.0	
3&4-Methylphenol	95.37	100.0	AVRG	4.6	20.0	
Hexachloroethane	100.9	100.0	AVRG	-0.9	20.0	
Nitrobenzene	95.92	100.0	AVRG	4.1	20.0	
Isophorone	94.93	100.0	AVRG	5.1	20.0	
2-Nitrophenol	99.75	100.0	AVRG	0.2	20.0	
2,4-Dimethylphenol	81.72	100.0	AVRG	18.3	20.0	
bis(2-Chloroethoxy)methane	94.01	100.0	AVRG	6.0	20.0	
Benzoic Acid	76.55	100.0	2ORDR	23.4	20.0	<-
2,4-Dichlorophenol	98.55	100.0	AVRG	1.4	20.0	
1,2,4-Trichlorobenzene	102.2	100.0	AVRG	-2.2	20.0	
Naphthalene	100.3	100.0	AVRG	-0.3	20.0	
4-Chloroaniline	89.45	100.0	AVRG	10.6	20.0	
Hexachlorobutadiene	105.5	100.0	AVRG	-5.5	20.0	
4-Chloro-3-methylphenol	96.87	100.0	AVRG	3.1	20.0	
2-Methylnaphthalene	99.56	100.0	AVRG	0.4	20.0	
Hexachlorocyclopentadiene	97.57	100.0	AVRG	2.4	20.0	
2,4,6-Trichlorophenol	99.09	100.0	AVRG	0.9	20.0	
2,4,5-Trichlorophenol	99.02	100.0	AVRG	1.0	20.0	
2-Chloronaphthalene	105.3	100.0	AVRG	-5.3	20.0	
2-Nitroaniline	96.49	100.0	AVRG	3.5	20.0	
Acenaphthylene	101.6	100.0	AVRG	-1.6	20.0	
2,6-Dinitrotoluene	98.57	100.0	AVRG	1.4	20.0	
3-Nitroaniline	99.16	100.0	AVRG	0.8	20.0	
Acenaphthene	101.9	100.0	AVRG	-1.9	20.0	
2,4-Dinitrophenol	88.75	100.0	LINR	11.2	20.0	
Dibenzofuran	100.9	100.0	AVRG	-0.9	20.0	

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Instrument ID: 50MSS2 Calibration Date: 04/16/09 Time: 0950

Lab File ID: 100-A Init. Calib. Date(s): 04/08/09 04/08/09

Init. Calib. Times: 1054 1336

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
4-Nitrophenol	92.86	100.0	LINR	7.1	20.0	
2,4-Dinitrotoluene	97.49	100.0	AVRG	2.5	20.0	
Fluorene	102.8	100.0	AVRG	-2.8	20.0	
Dimethylphthalate	96.86	100.0	AVRG	3.1	20.0	
Diethylphthalate	95.05	100.0	AVRG	5.0	20.0	
4-Chlorophenyl-phenylether	105.1	100.0	AVRG	-5.1	20.0	
4-Nitroaniline	89.48	100.0	LINR	10.5	20.0	
4,6-Dinitro-2-methylphenol	94.08	100.0	LINR	5.9	20.0	
N-Nitrosodiphenylamine(1)	105.1	100.0	AVRG	-5.1	20.0	
4-Bromophenyl-phenylether	106.1	100.0	AVRG	-6.1	20.0	
Hexachlorobenzene	97.72	100.0	LINR	2.3	20.0	
Pentachlorophenol	79.71	100.0	LINR	20.3	20.0	<-
Phenanthrene	102.4	100.0	AVRG	-2.4	20.0	
Anthracene	99.14	100.0	AVRG	0.9	20.0	
Di-n-butylphthalate	97.23	100.0	AVRG	2.8	20.0	
Fluoranthene	98.01	100.0	AVRG	2.0	20.0	
Benzidine	53.64	100.0	LINR	46.4	20.0	<-
Pyrene	98.54	100.0	AVRG	1.5	20.0	
Butylbenzylphthalate	99.76	100.0	AVRG	0.2	20.0	
Benzo(a)anthracene	104.9	100.0	AVRG	-4.9	20.0	
3,3'-Dichlorobenzidine	127.9	100.0	AVRG	-27.9	20.0	<-
Chrysene	101.0	100.0	AVRG	-1.0	20.0	
bis(2-Ethylhexyl)phthalate	97.70	100.0	AVRG	2.3	20.0	
Di-n-octylphthalate	97.48	100.0	LINR	2.5	20.0	
Benzo(b)fluoranthene	96.78	100.0	LINR	3.2	20.0	
Benzo(k)fluoranthene	106.2	100.0	LINR	-6.2	20.0	
Benzo(a)pyrene	100.7	100.0	LINR	-0.7	20.0	
Indeno(1,2,3-cd)pyrene	116.1	100.0	LINR	-16.1	20.0	
Dibenz(a,h)anthracene	118.1	100.0	LINR	-18.1	20.0	
Benzo(g,h,i)perylene	115.2	100.0	LINR	-15.2	20.0	
Carbazole	96.73	100.0	AVRG	3.3	20.0	
Pyridine	92.39	100.0	AVRG	7.6	20.0	
1,2-Diphenylhydrazine	97.02	100.0	AVRG	3.0	20.0	
Acetophenone	94.01	100.0	AVRG	6.0	20.0	
Biphenyl (Diphenyl)	105.4	100.0	AVRG	-5.4	20.0	
Benzaldehyde	222.1	100.0	AVRG	-99.9	20.0	<-

(1) Cannot be separated from Diphenylamine

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Instrument ID: 50MSS2 Calibration Date: 04/16/09 Time: 0950

Lab File ID: 100-A Init. Calib. Date(s): 04/08/09 04/08/09

Init. Calib. Times: 1054 1336

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Caprolactam	87.69	100.0	LINR	12.3	20.0	
Atrazine	45.11	100.0	AVRG	54.9	20.0	<-
2-Fluorophenol (S)	96.22	100.0	AVRG	3.8	20.0	
Phenol-d6 (S)	95.45	100.0	AVRG	4.6	20.0	
Nitrobenzene-d5 (S)	96.70	100.0	AVRG	3.3	20.0	
2-Fluorobiphenyl (S)	104.8	100.0	AVRG	-4.8	20.0	
2,4,6-Tribromophenol (S)	92.07	100.0	LINR	7.9	20.0	
Terphenyl-d14 (S)	91.91	100.0	LINR	8.1	20.0	

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Data file : \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D
Lab Smp Id: h059L Client Smp ID: DFTPP
Inj Date : 16-APR-2009 09:30
Operator : KES Inst ID: 50MSS2.i
Smp Info : h059L
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\dftpp.m
Meth Date : 01-Apr-2009 15:59 ksullivan Quant Type: ISTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: WATER
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp							CAS #: 5074-71-5	
10.286	10.100	(0.000)	198	142976			0.00- 100.00	100.00
10.286	10.100	(0.000)	51	56744			30.00- 60.00	39.69
10.286	10.100	(0.000)	68	1134			0.00- 2.00	1.83
10.286	10.100	(0.000)	69	62128			0.00- 0.00	43.45
10.286	10.100	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
10.286	10.100	(0.000)	127	70112			40.00- 60.00	49.04
10.286	10.100	(0.000)	197	747			0.00- 1.00	0.52
10.286	10.100	(0.000)	199	10539			5.00- 9.00	7.37
10.286	10.100	(0.000)	275	40624			10.00- 30.00	28.41
10.286	10.100	(0.000)	365	6647			1.00- 0.00	4.65
10.286	10.100	(0.000)	441	11301			0.01- 99.99	69.31
10.286	10.100	(0.000)	442	74504			40.00- 0.00	52.11
10.286	10.100	(0.000)	443	16305			17.00- 23.00	21.88

Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

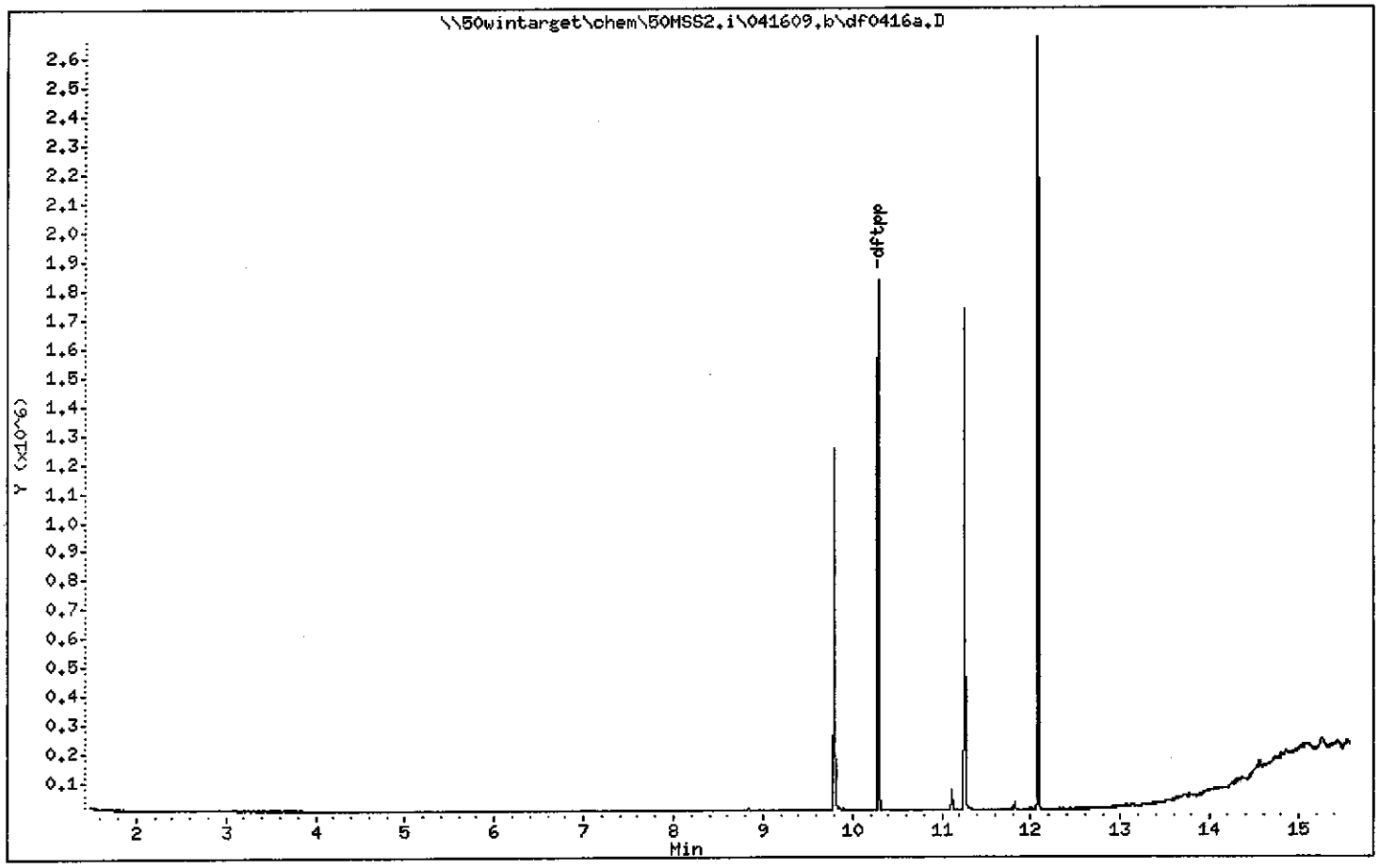
Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

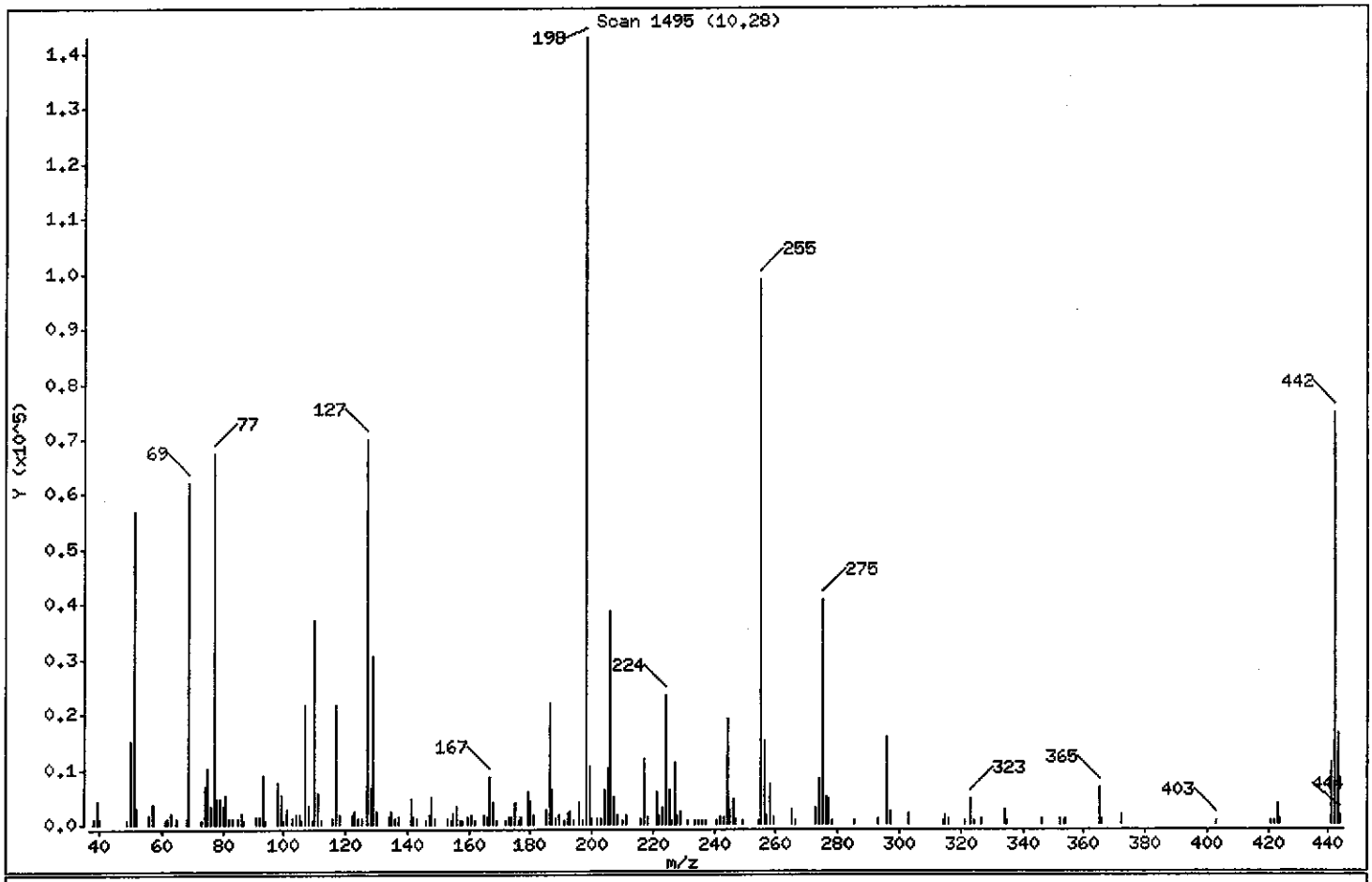
Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.69
68	Less than 2.00% of mass 69	0.79 (1.83)
69	Mass 69 relative abundance	43.45
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.04
197	Less than 1.00% of mass 198	0.52
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 30.00% of mass 198	28.41
365	Greater than 1.00% of mass 198	4.65
441	Present, but less than mass 443	7.90
442	Greater than 40.00% of mass 198	52.11
443	17.00 - 23.00% of mass 442	11.40 (21.88)

Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0416a.D
Spectrum: Scan 1495 (10.28)
Location of Maximum: 198.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	871	116.00	1072	187.00	6365	255.00	98832
39.10	4307	117.00	21688	188.00	828	256.00	15213
40.00	917	118.00	1557	189.00	1488	257.00	1509
49.00	738	122.00	1726	191.00	632	258.00	7142
50.00	15238	123.00	2284	192.00	2062	258.90	1447
51.10	56744	124.00	935	193.00	2231	265.00	2597
52.10	3111	125.00	860	194.10	504	266.00	612
56.00	1711	127.00	70112	196.00	3850	273.00	2855
57.00	3723	128.00	6430	197.00	747	274.00	8225
61.00	603	129.00	30608	198.00	142976	275.00	40624
62.10	850	130.00	2341	199.00	10539	276.00	5009
63.10	1887	134.00	1236	200.00	976	277.00	4646
65.10	1109	135.00	2424	201.50	824	278.00	734
68.10	1134	136.00	874	203.00	979	285.00	695
69.00	62128	137.10	1233	204.00	6212	293.00	993
73.00	583	141.00	4490	205.00	10074	296.00	15714
74.10	7046	142.00	1259	206.10	38648	297.00	2465
75.00	10146	143.00	971	207.10	5021	303.10	1853
76.10	3362	146.00	740	208.00	1742	314.00	611
77.10	67432	147.00	1648	210.10	680	315.00	1731
78.00	4748	148.00	4967	211.00	1556	316.00	900
79.00	4518	148.90	1060	216.10	1065	321.10	548
80.00	3401	153.00	1052	217.00	11771	323.00	4496
81.00	5379	154.00	720	218.00	1382	324.10	758
82.00	1145	155.10	1907	221.00	5920	326.90	918
83.10	1134	156.10	3207	221.90	1593	334.10	2569
85.00	882	157.00	720	223.00	2974	335.10	567
86.10	1872	158.00	731	224.10	23368	346.00	1107
86.90	590	159.90	1153	225.10	6200	352.00	1130
91.00	1281	161.00	1566	226.00	506	353.00	729
92.00	1303	161.90	533	227.00	11023	354.00	938
93.00	8986	165.00	1537	228.00	1649	365.00	6647
94.00	576	165.90	1207	229.00	2294	366.00	1110
98.00	7511	167.00	8405	231.00	807	372.00	1705
99.00	5262	168.00	4054	233.90	614	403.00	673

Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0416a.D
Spectrum: Scan 1495 (10.28)
Location of Maximum: 198.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
100.00	523	169.00	711	235.00	634	421.00	514
101.00	2515	172.00	554	236.00	537	422.10	591
102.90	865	173.00	1162	237.10	643	423.10	3581
104.00	1656	174.00	1372	241.00	673	424.00	871
105.00	1506	175.00	3823	242.00	1465	441.10	11301
106.00	547	175.90	808	243.00	1203	442.10	74504
107.00	21688	177.00	1303	244.10	19072	443.10	16305
108.00	3440	179.00	6010	245.10	2600	444.10	1623
109.00	640	180.00	4119	246.00	4489		
110.00	37232	181.00	1555	246.90	897		
111.00	5524	185.00	2624	249.00	783		
112.00	702	186.00	21960	254.10	708		

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Lab Smp Id: h061f
Inj Date : 16-APR-2009 09:50
Operator : KES Inst ID: 50MSS2.i
Smp Info : h061f
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 16-Apr-2009 14:02 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
1 N-Nitrosodimethylamine	42	1.916	1.916	(0.356)	232761	100.000	97.84
2 Pyridine	79	1.928	1.928	(0.358)	376512	100.000	92.39
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	363859	100.000	96.22
4 Benzaldehyde	77	4.916	4.916	(0.913)	266292	100.000	222.1
$ 5 Phenol-d6 (S)	99	5.110	5.110	(0.949)	453986	100.000	95.45
6 Phenol	94	5.122	5.122	(0.951)	460063	100.000	93.83
7 bis(2-Chloroethyl)ether	93	5.169	5.169	(0.960)	357841	100.000	94.93
8 2-Chlorophenol	128	5.204	5.204	(0.966)	408209	100.000	96.42
9 1,3-Dichlorobenzene	146	5.345	5.345	(0.992)	498751	100.000	101.0
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	132045	40.0000	
11 1,4-Dichlorobenzene	146	5.404	5.404	(1.003)	514233	100.000	100.8
12 Benzyl Alcohol	108	5.586	5.586	(1.037)	251779	100.000	105.4
13 1,2-Dichlorobenzene	146	5.604	5.604	(1.040)	477690	100.000	100.4
14 2-Methylphenol	108	5.745	5.745	(1.067)	361761	100.000	93.46
15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.066)	436658	100.000	86.28
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.066)	436658	100.000	86.28
17 Acetophenone	105	5.857	5.857	(1.087)	576144	100.000	94.01
18 3&4-Methylphenol	108	5.898	5.898	(1.095)	385298	100.000	95.37
19 N-Nitroso-di-n-propylamine	70	5.892	5.892	(1.094)	303524	100.000	91.35
20 Hexachloroethane	117	5.916	5.916	(1.098)	210227	100.000	100.9
$ 21 Nitrobenzene-d5 (S)	82	6.010	6.010	(0.896)	487110	100.000	96.70
22 Nitrobenzene	77	6.027	6.027	(0.898)	474615	100.000	95.92

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	23 Isophorone	82	6.269	6.269	(0.934)	803767	100.000	94.93
	24 2-Nitrophenol	139	6.357	6.357	(0.947)	234504	100.000	99.75
	25 2,4-Dimethylphenol	122	6.427	6.427	(0.958)	295517	100.000	81.72
	26 bis(2-Chloroethoxy)methane	93	6.516	6.516	(0.971)	445533	100.000	94.01
	27 Benzoic Acid	122	6.580	6.580	(0.981)	139553	100.000	76.55
	28 2,4-Dichlorophenol	162	6.604	6.604	(0.984)	364065	100.000	98.55
	29 1,2,4-Trichlorobenzene	180	6.674	6.674	(0.995)	462667	100.000	102.2
*	30 Naphthalene-d8	136	6.710	6.710	(1.000)	476075	40.0000	
	31 Naphthalene	128	6.733	6.733	(1.004)	1207613	100.000	100.3
	32 4-Chloroaniline	127	6.827	6.827	(1.018)	435172	100.000	89.45
	33 Hexachlorobutadiene	225	6.916	6.916	(1.031)	344697	100.000	105.5
	34 Caprolactam	113	7.192	7.192	(1.072)	117033	100.000	87.69
	35 4-Chloro-3-methylphenol	107	7.339	7.339	(1.094)	361765	100.000	96.87
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	880406	100.000	99.56
	37 Hexachlorocyclopentadiene	237	7.651	7.651	(0.903)	372076	100.000	97.57
	38 2,4,6-Trichlorophenol	196	7.751	7.751	(0.915)	293542	100.000	99.09
	39 2,4,5-Trichlorophenol	196	7.798	7.798	(0.920)	325639	100.000	99.02
$	40 2-Fluorobiphenyl (S)	172	7.815	7.815	(0.922)	1063989	100.000	104.8
	41 Biphenyl (Diphenyl)	154	7.898	7.898	(0.932)	1116954	100.000	105.4
	42 2-Chloronaphthalene	162	7.910	7.910	(0.933)	903841	100.000	105.3
	43 2-Nitroaniline	65	8.063	8.063	(0.951)	256982	100.000	96.49
	44 Dimethylphthalate	163	8.268	8.268	(0.976)	952512	100.000	96.86
	45 Acenaphthylene	152	8.321	8.321	(0.982)	1318880	100.000	101.6
	46 2,6-Dinitrotoluene	165	8.339	8.339	(0.984)	216129	100.000	98.57
*	47 Acenaphthene-d10	164	8.474	8.474	(1.000)	281638	40.0000	
	48 3-Nitroaniline	138	8.480	8.480	(1.001)	223668	100.000	99.16
	49 Acenaphthene	153	8.510	8.510	(1.004)	833979	100.000	101.9
	50 2,4-Dinitrophenol	184	8.580	8.580	(1.012)	141097	100.000	88.75
	51 4-Nitrophenol	109	8.668	8.668	(1.023)	170563	100.000	92.86
	52 Dibenzofuran	168	8.662	8.662	(1.022)	1237333	100.000	100.9
	53 2,4-Dinitrotoluene	165	8.721	8.721	(1.029)	287985	100.000	97.49
	54 Diethylphthalate	149	8.957	8.957	(1.057)	968843	100.000	95.05
	55 Fluorene	166	9.004	9.004	(1.062)	1046526	100.000	102.8
	56 4-Chlorophenyl-phenylether	204	9.004	9.004	(1.062)	579870	100.000	105.1
	57 4-Nitroaniline	138	9.092	9.092	(1.073)	212430	100.000	89.48
	58 4,6-Dinitro-2-methylphenol	198	9.121	9.121	(0.920)	204358	100.000	94.08
	59 N-Nitrosodiphenylamine	169	9.139	9.139	(0.922)	675706	100.000	105.1
	60 1,2-Diphenylhydrazine	77	9.157	9.157	(0.923)	990175	100.000	97.02
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.262	(0.934)	217690	100.000	92.07
	62 4-Bromophenyl-phenylether	248	9.480	9.480	(0.956)	373683	100.000	106.1
	63 Hexachlorobenzene	284	9.621	9.621	(0.970)	473119	100.000	97.72
	64 Atrazine	200	9.692	9.692	(0.977)	93699	100.000	45.11
	65 Pentachlorophenol	266	9.804	9.804	(0.989)	213778	100.000	79.71
*	66 Phenanthrene-d10	188	9.915	9.915	(1.000)	486545	40.0000	
	67 Phenanthrene	178	9.939	9.939	(1.002)	1420139	100.000	102.4
	68 Anthracene	178	9.980	9.980	(1.007)	1430395	100.000	99.14
	69 Carbazole	167	10.156	10.156	(1.024)	1257129	100.000	96.73
	70 Di-n-butylphthalate	149	10.539	10.539	(1.063)	1559392	100.000	97.23
	71 Fluoranthene	202	11.109	11.109	(1.120)	1603280	100.000	98.01
	72 Benzidine	184	11.256	11.256	(1.135)	50892	100.000	53.64 (MH)
	73 Pyrene	202	11.333	11.333	(1.143)	1693751	100.000	98.54
$	74 Terphenyl-d14 (S)	244	11.492	11.492	(1.159)	1267675	100.000	91.91
	75 Butylbenzylphthalate	149	12.009	12.009	(0.959)	680098	100.000	99.76
	76 Benzo(a)anthracene	228	12.509	12.509	(0.999)	1722346	100.000	104.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
77 3,3'-Dichlorobenzidine	252	12.509	12.509	(0.999)	617773	100.000	127.9
* 78 Chrysene-d12	240	12.527	12.527	(1.000)	638470	40.0000	
79 Chrysene	228	12.556	12.556	(1.002)	1592574	100.000	101.0
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.580	(1.004)	968698	100.000	97.70
81 Di-n-octylphthalate	149	13.145	13.145	(0.949)	1595563	100.000	97.48
82 Benzo(b)fluoranthene	252	13.521	13.521	(0.977)	1839202	100.000	96.78
83 Benzo(k)fluoranthene	252	13.539	13.539	(0.978)	2171459	100.000	106.2(MH)
84 Benzo(a)pyrene	252	13.797	13.797	(0.997)	1679674	100.000	100.7
* 85 Perylene-d12	264	13.844	13.844	(1.000)	587604	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.674	14.674	(1.060)	2344375	100.000	116.1
87 Dibenz(a,h)anthracene	278	14.680	14.680	(1.060)	2046610	100.000	118.1
88 Benzo(g,h,i)perylene	276	14.874	14.874	(1.074)	1831812	100.000	115.2

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 100-a.D
Lab Smp Id: h061f
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	132045	22.81
30 Naphthalene-d8	397045	198523	794090	476075	19.90
47 Acenaphthene-d10	249088	124544	498176	281638	13.07
66 Phenanthrene-d10	451720	225860	903440	486545	7.71
78 Chrysene-d12	618598	309299	1237196	638470	3.21
85 Perylene-d12	555611	277806	1111222	587604	5.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.39	0.11
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.07
66 Phenanthrene-d10	9.91	9.41	10.41	9.92	0.06
78 Chrysene-d12	12.52	12.02	13.02	12.53	0.09
85 Perylene-d12	13.83	13.33	14.33	13.84	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i
Lab File ID: 100-a.D
Analysis Type: WATER
Lab Sample ID: h061f
Method: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m

Injection Date: 16-APR-2009 09:50
Init. Cal. Date(s): 08-APR-2009 08-APR-2009
Init. Cal. Times: 10:54 13:36
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 N-Nitrosodimethylamine	0.72062	0.70510	0.70510	0.000	-2.15450	20.00000	Averaged
2 Pyridine	1.23455	1.14056	1.14056	0.000	-7.61329	20.00000	Averaged
$ 3 2-Fluorophenol (S)	1.14555	1.10223	1.10223	0.000	-3.78181	20.00000	Averaged
4 Benzaldehyde	0.36315	0.80667	0.80667	0.000	122	20.00000	Averaged <-
$ 5 Phenol-d6 (S)	1.44076	1.37525	1.37525	0.000	-4.54721	20.00000	Averaged
6 Phenol	1.48532	1.39366	1.39366	0.000	-6.17116	20.00000	Averaged
7 bis(2-Chloroethyl)ether	1.14190	1.08400	1.08400	0.000	-5.07091	20.00000	Averaged
8 2-Chlorophenol	1.28251	1.23658	1.23658	0.000	-3.58156	20.00000	Averaged
9 1,3-Dichlorobenzene	1.49532	1.51085	1.51085	0.000	1.03855	20.00000	Averaged
11 1,4-Dichlorobenzene	1.54556	1.55775	1.55775	0.000	0.78904	20.00000	Averaged
12 Benzyl Alcohol	0.72357	0.76271	0.76271	0.000	5.40952	20.00000	Averaged
13 1,2-Dichlorobenzene	1.44187	1.44705	1.44705	0.000	0.35975	20.00000	Averaged
14 2-Methylphenol	1.17259	1.09587	1.09587	0.000	-6.54254	20.00000	Averaged
15 bis(2-Chloroisopropyl)ether	1.53313	1.32276	1.32276	0.000	-13.72171	20.00000	Averaged
16 2,2'-Oxybis(1-chloropropane	1.53313	1.32276	1.32276	0.000	-13.72171	20.00000	Averaged
17 Acetophenone	1.85657	1.74530	1.74530	0.000	-5.99375	20.00000	Averaged
18 3&4-Methylphenol	1.22384	1.16717	1.16717	0.000	-4.63045	20.00000	Averaged
19 N-Nitroso-di-n-propylamine	1.00655	0.91946	0.91946	0.050	-8.65268	20.00000	Averaged
20 Hexachloroethane	0.63118	0.63683	0.63683	0.000	0.89523	20.00000	Averaged
$ 21 Nitrobenzene-d5 (S)	0.42324	0.40927	0.40927	0.000	-3.29978	20.00000	Averaged
22 Nitrobenzene	0.41571	0.39877	0.39877	0.000	-4.07425	20.00000	Averaged
23 Isophorone	0.71139	0.67533	0.67533	0.000	-5.06865	20.00000	Averaged
24 2-Nitrophenol	0.19753	0.19703	0.19703	0.000	-0.25041	20.00000	Averaged
25 2,4-Dimethylphenol	0.30384	0.24829	0.24829	0.000	-18.28081	20.00000	Averaged
26 bis(2-Chloroethoxy)methane	0.39819	0.37434	0.37434	0.000	-5.98909	20.00000	Averaged
27 Benzoic Acid	100	76.54992	0.11725	0.000	-23.45008	20.00000	Quadratic <-
28 2,4-Dichlorophenol	0.31038	0.30589	0.30589	0.000	-1.44546	20.00000	Averaged
29 1,2,4-Trichlorobenzene	0.38034	0.38873	0.38873	0.000	2.20674	20.00000	Averaged
31 Naphthalene	1.01148	1.01464	1.01464	0.000	0.31280	20.00000	Averaged
32 4-Chloroaniline	0.40874	0.36563	0.36563	0.000	-10.54641	20.00000	Averaged
33 Hexachlorobutadiene	0.27453	0.28962	0.28962	0.000	5.49489	20.00000	Averaged
34 Caprolactam	100	87.69287	0.09833	0.000	-12.30713	20.00000	Linear
35 4-Chloro-3-methylphenol	0.31379	0.30396	0.30396	0.000	-3.13370	20.00000	Averaged
36 2-Methylnaphthalene	0.74295	0.73972	0.73972	0.000	-0.43414	20.00000	Averaged
37 Hexachlorocyclopentadiene	0.54161	0.52845	0.52845	0.050	-2.43000	20.00000	Averaged
38 2,4,6-Trichlorophenol	0.42072	0.41691	0.41691	0.000	-0.90548	20.00000	Averaged
39 2,4,5-Trichlorophenol	0.46708	0.46249	0.46249	0.000	-0.98128	20.00000	Averaged
$ 40 2-Fluorobiphenyl (S)	1.44218	1.51114	1.51114	0.000	4.78185	20.00000	Averaged
41 Biphenyl (Diphenyl)	1.50456	1.58637	1.58637	0.000	5.43749	20.00000	Averaged
42 2-Chloronaphthalene	1.21876	1.28369	1.28369	0.000	5.32803	20.00000	Averaged
43 2-Nitroaniline	0.37825	0.36498	0.36498	0.000	-3.50678	20.00000	Averaged
44 Dimethylphthalate	1.39660	1.35282	1.35282	0.000	-3.13483	20.00000	Averaged

Pace Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i
Lab File ID: 100-a.D
Analysis Type: WATER
Lab Sample ID: h061f
Method: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m

Injection Date: 16-APR-2009 09:50
Init. Cal. Date(s): 08-APR-2009 08-APR-2009
Init. Cal. Times: 10:54 13:36
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
45 Acenaphthylene	1.84352	1.87316	1.87316	0.000	1.60761	20.00000	Averaged	
46 2,6-Dinitrotoluene	0.31141	0.30696	0.30696	0.000	-1.42942	20.00000	Averaged	
48 3-Nitroaniline	0.32036	0.31767	0.31767	0.000	-0.84009	20.00000	Averaged	
49 Acenaphthene	1.16209	1.18447	1.18447	0.000	1.92557	20.00000	Averaged	
50 2,4-Dinitrophenol	100	88.75279	0.20039	0.050	-11.24721	20.00000	Linear	
51 4-Nitrophenol	100	92.85954	0.24224	0.050	-7.14046	20.00000	Linear	
52 Dibenzofuran	1.74116	1.75734	1.75734	0.000	0.92933	20.00000	Averaged	
53 2,4-Dinitrotoluene	0.41953	0.40901	0.40901	0.000	-2.50554	20.00000	Averaged	
54 Diethylphthalate	1.44764	1.37601	1.37601	0.000	-4.94781	20.00000	Averaged	
55 Fluorene	1.44646	1.48634	1.48634	0.000	2.75717	20.00000	Averaged	
56 4-Chlorophenyl-phenylether	0.78359	0.82357	0.82357	0.000	5.10253	20.00000	Averaged	
57 4-Nitroaniline	100	89.48496	0.30171	0.000	-10.51504	20.00000	Linear	
58 4,6-Dinitro-2-methylphenol	100	94.08216	0.16801	0.000	-5.91784	20.00000	Linear	
59 N-Nitrosodiphenylamine	0.52867	0.55551	0.55551	0.000	5.07834	20.00000	Averaged	
60 1,2-Diphenylhydrazine	0.83908	0.81405	0.81405	0.000	-2.98350	20.00000	Averaged	
$ 61 2,4,6-Tribromophenol (S)	100	92.06819	0.17897	0.000	-7.93181	20.00000	Linear	
62 4-Bromophenyl-phenylether	0.28965	0.30721	0.30721	0.000	6.06468	20.00000	Averaged	
63 Hexachlorobenzene	100	97.72173	0.38896	0.000	-2.27827	20.00000	Linear	
64 Atrazine	0.17075	0.07703	0.07703	0.000	-54.88693	20.00000	Averaged	<-
65 Pentachlorophenol	100	79.70944	0.17575	0.000	-20.29056	20.00000	Linear	<-
67 Phenanthrene	1.14024	1.16753	1.16753	0.000	2.39329	20.00000	Averaged	
68 Anthracene	1.18618	1.17596	1.17596	0.000	-0.86170	20.00000	Averaged	
69 Carbazole	1.06846	1.03352	1.03352	0.000	-3.27077	20.00000	Averaged	
70 Di-n-butylphthalate	1.31856	1.28201	1.28201	0.000	-2.77188	20.00000	Averaged	
71 Fluoranthene	1.34482	1.31809	1.31809	0.000	-1.98747	20.00000	Averaged	
72 Benzidine	100	53.63997	0.04184	0.000	-46.36003	20.00000	Linear	<-
73 Pyrene	1.41306	1.39247	1.39247	0.000	-1.45685	20.00000	Averaged	
$ 74 Terphenyl-d14 (S)	100	91.90868	1.04219	0.000	-8.09132	20.00000	Linear	
75 Butylbenzylphthalate	0.42711	0.42608	0.42608	0.000	-0.24121	20.00000	Averaged	
76 Benzo(a)anthracene	1.02853	1.07905	1.07905	0.000	4.91164	20.00000	Averaged	
77 3,3'-Dichlorobenzidine	0.30263	0.38703	0.38703	0.000	27.89092	20.00000	Averaged	<-
79 Chrysene	0.98788	0.99774	0.99774	0.000	0.99809	20.00000	Averaged	
80 bis(2-Ethylhexyl)phthalate	0.62117	0.60689	0.60689	0.000	-2.29996	20.00000	Averaged	
81 Di-n-octylphthalate	100	97.47565	1.08615	0.000	-2.52435	20.00000	Linear	
82 Benzo(b)fluoranthene	100	96.78317	1.25200	0.000	-3.21683	20.00000	Linear	
83 Benzo(k)fluoranthene	100	106	1.47818	0.000	6.21516	20.00000	Linear	
84 Benzo(a)pyrene	100	101	1.14341	0.000	0.73419	20.00000	Linear	
86 Indeno(1,2,3-cd)pyrene	100	116	1.59589	0.000	16.11078	20.00000	Linear	
87 Dibenz(a,h)anthracene	100	118	1.39319	0.000	18.10093	20.00000	Linear	
88 Benzo(g,h,i)perylene	100	115	1.24697	0.000	15.15885	20.00000	Linear	

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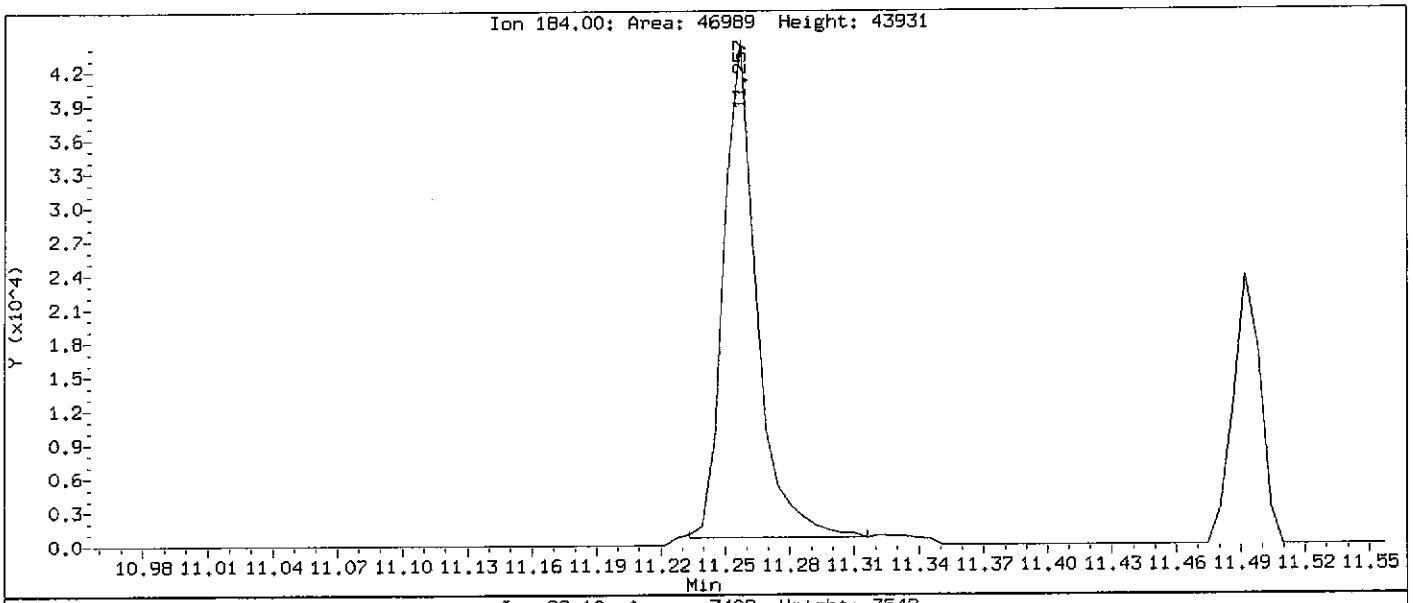
CONTINUING CALIBRATION COMPOUNDS

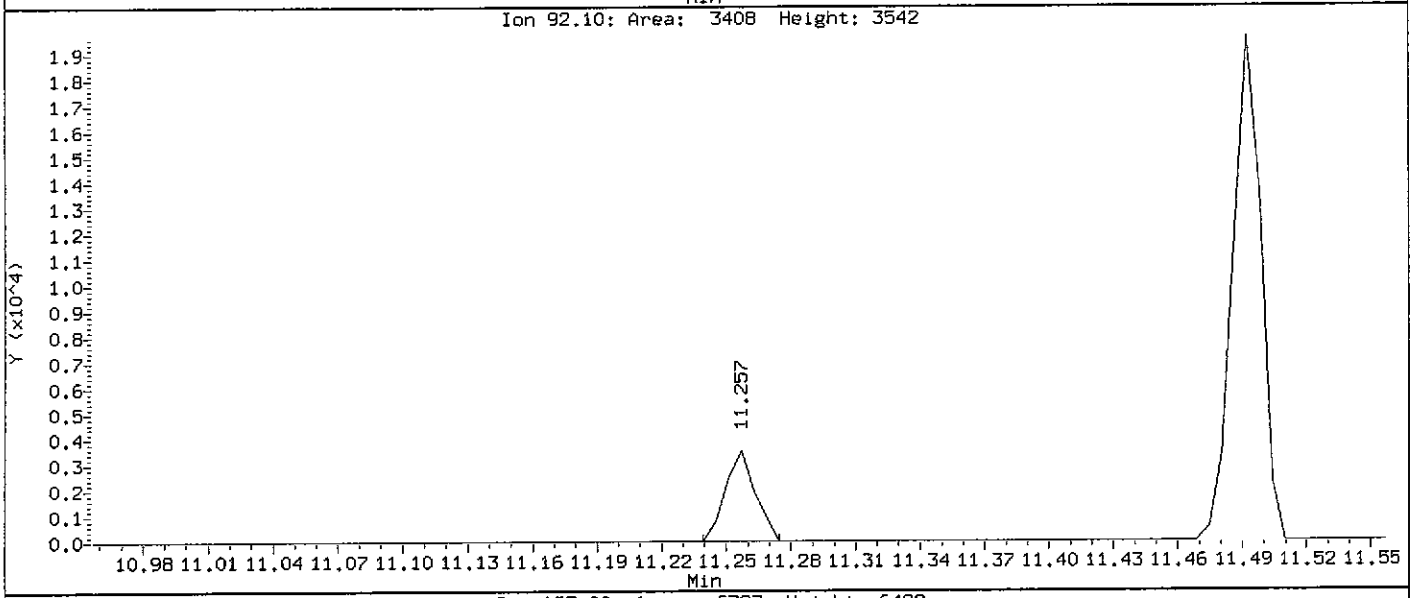
Instrument ID: 50MSS2.i Injection Date: 16-APR-2009 09:50
Lab File ID: 100-a.D Init. Cal. Date(s): 08-APR-2009 08-APR-2009
Analysis Type: WATER Init. Cal. Times: 10:54 13:36
Lab Sample ID: h061f Quant Type: ISTD
Method: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m

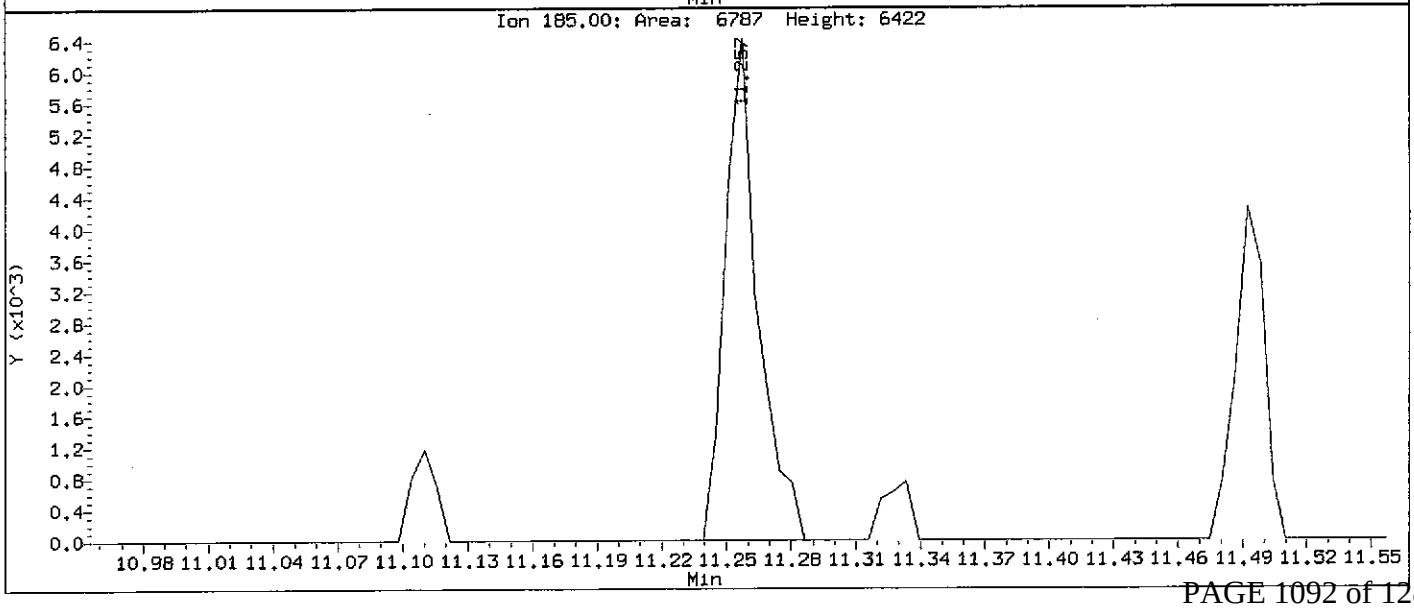
Average %D / Drift Results.
Calculated Average %D/Drift = 8.06806
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzidine
CAS Number: 92-87-5

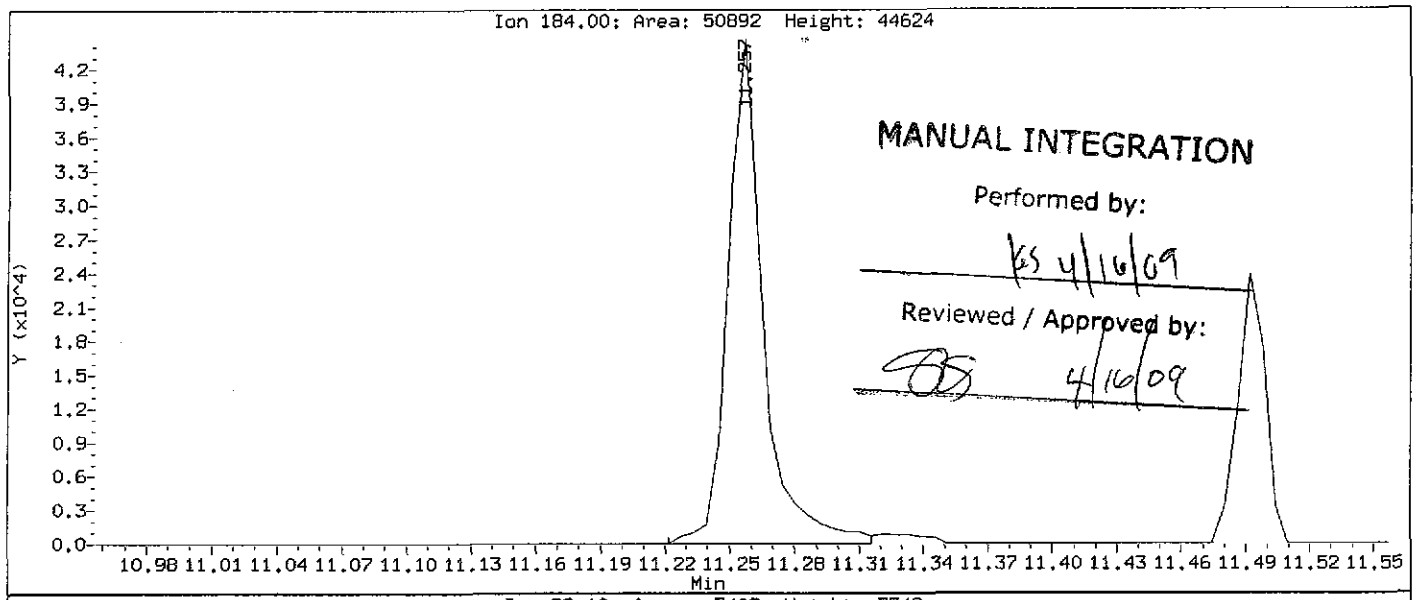


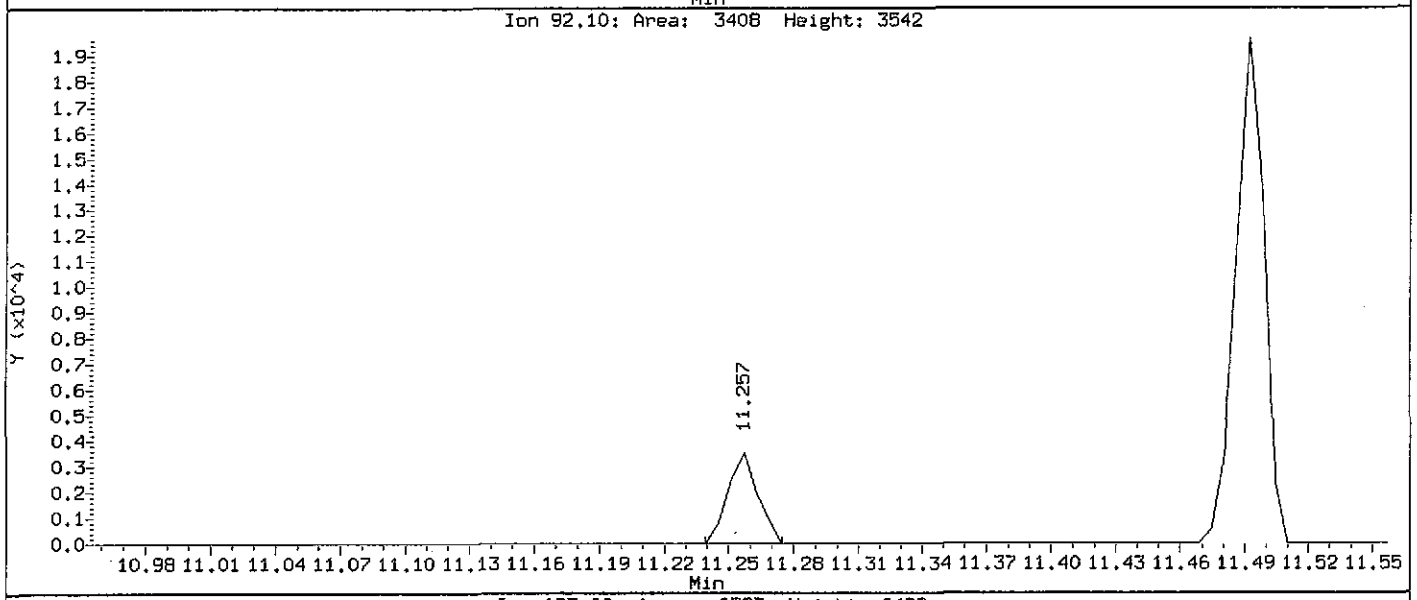


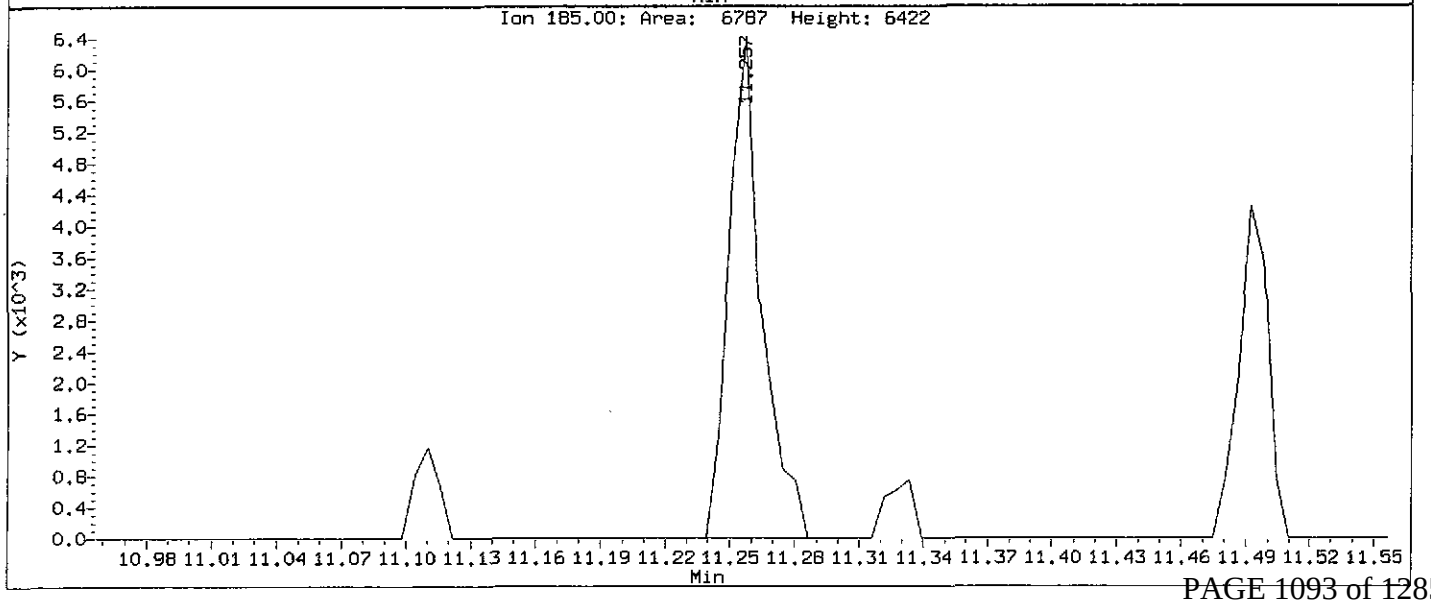


Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzidine
CAS Number: 92-87-5

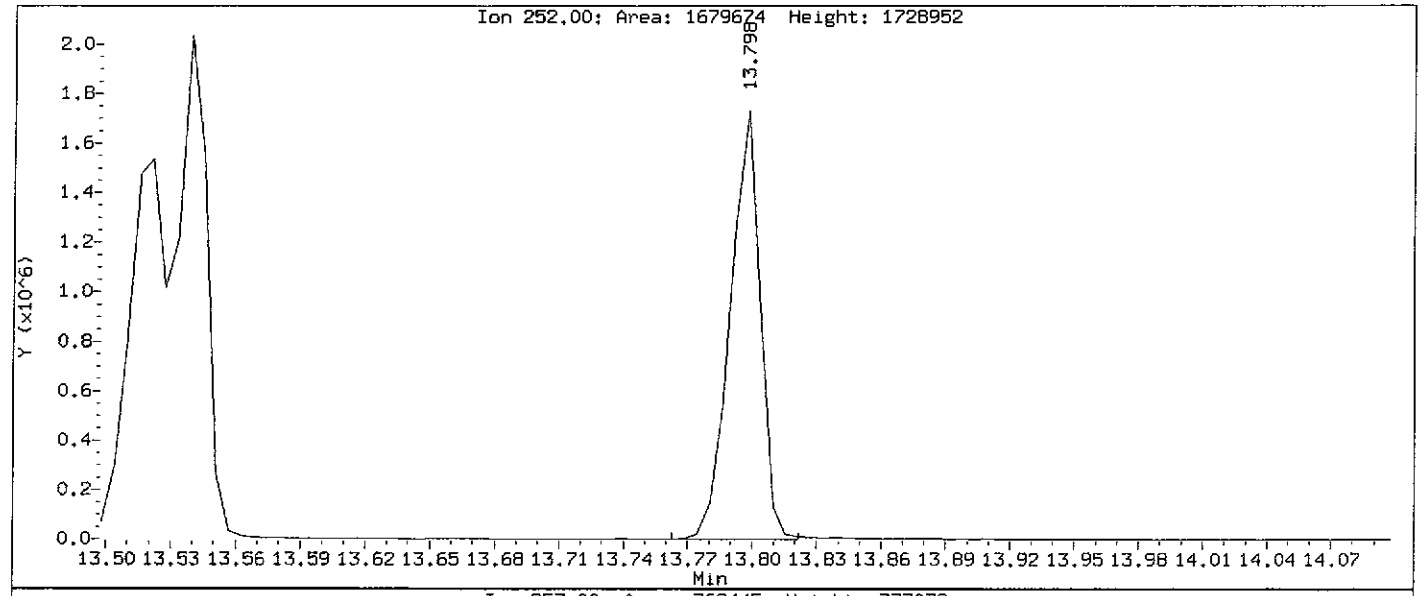


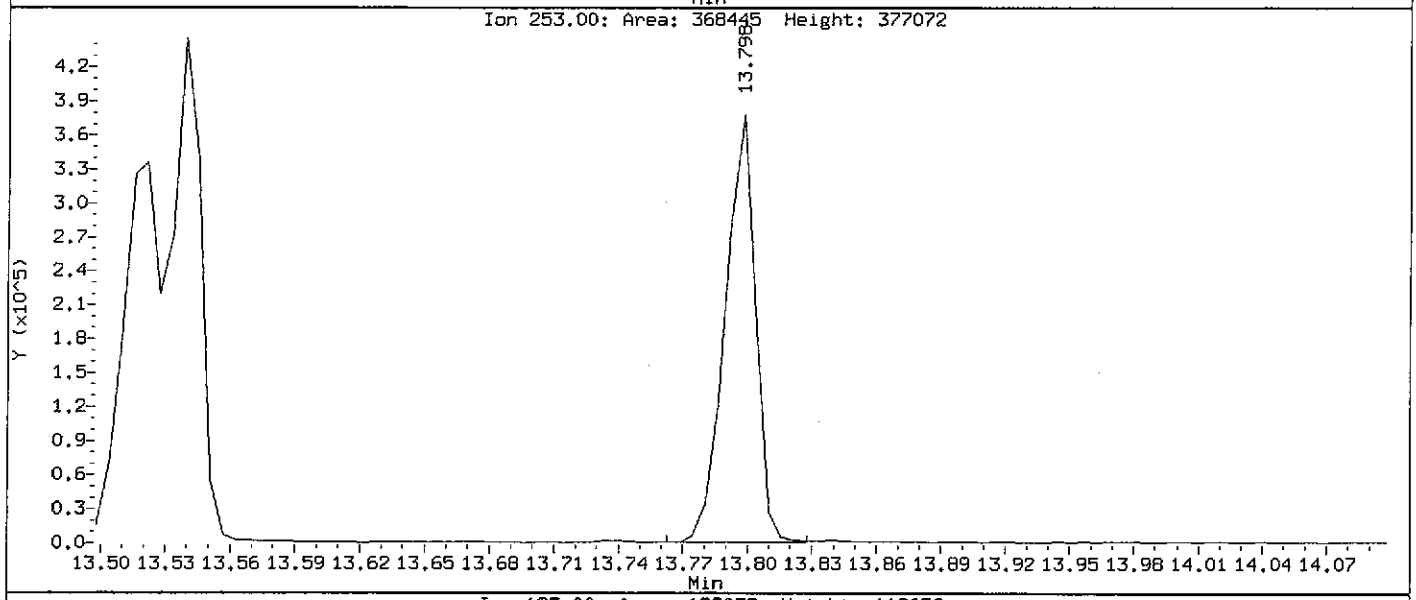


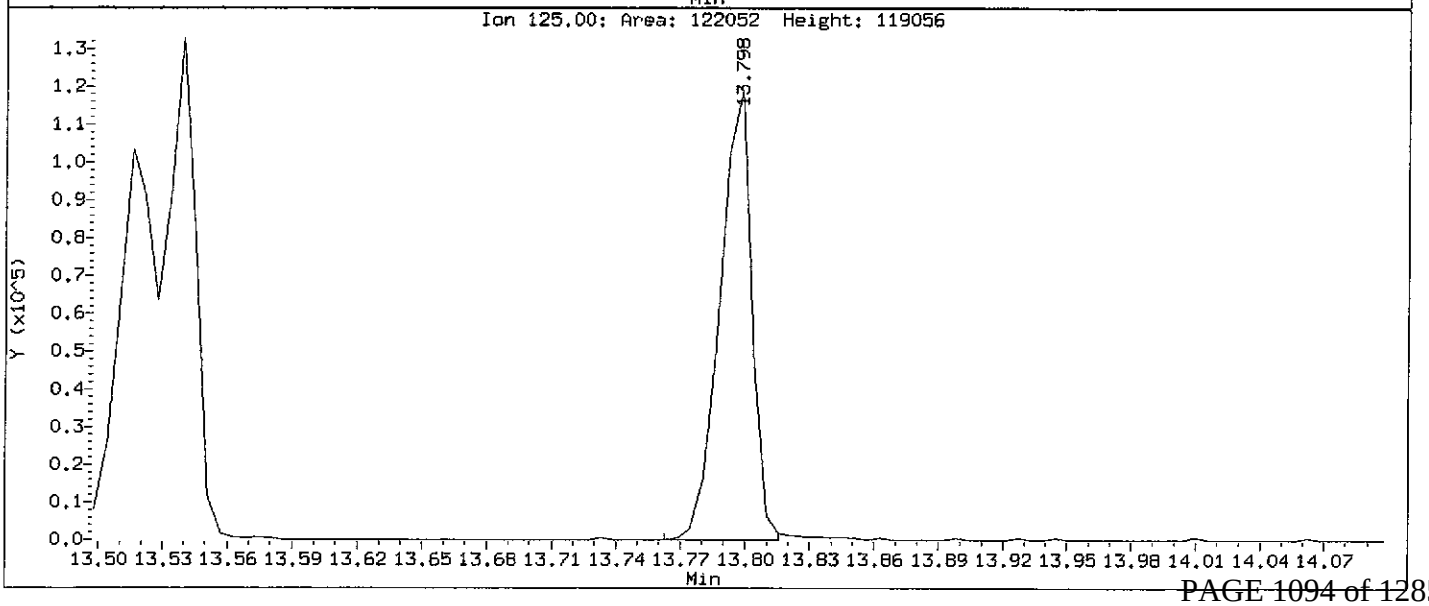


Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

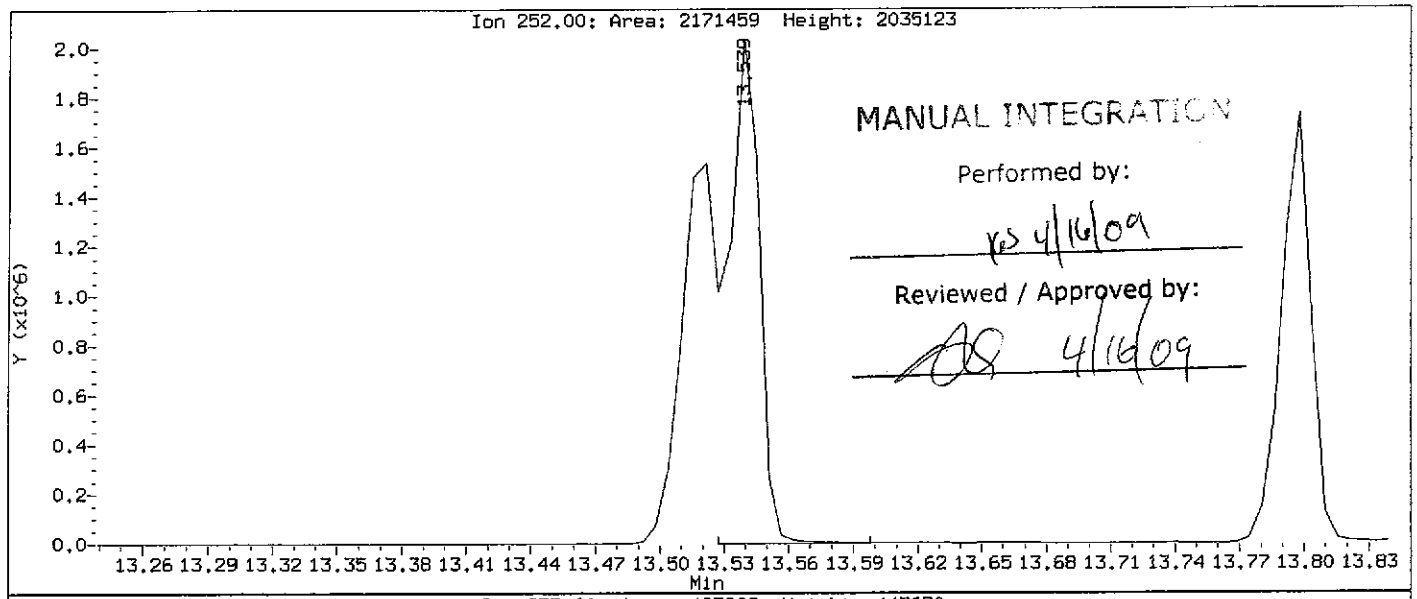


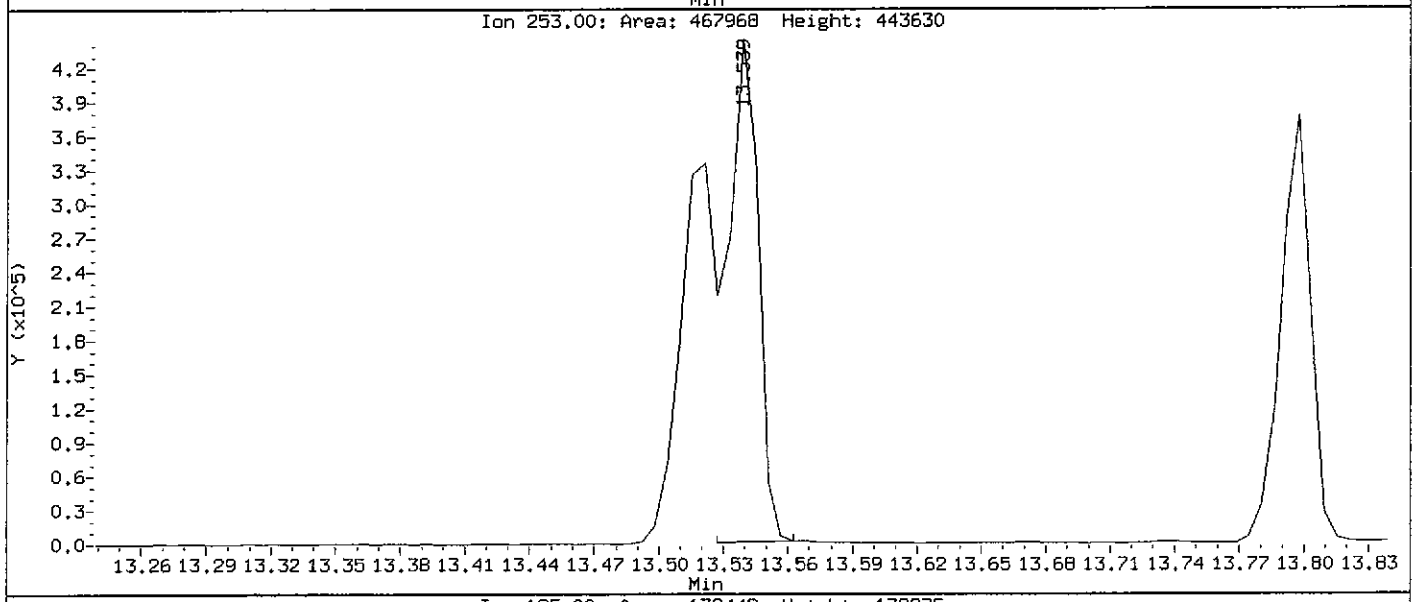


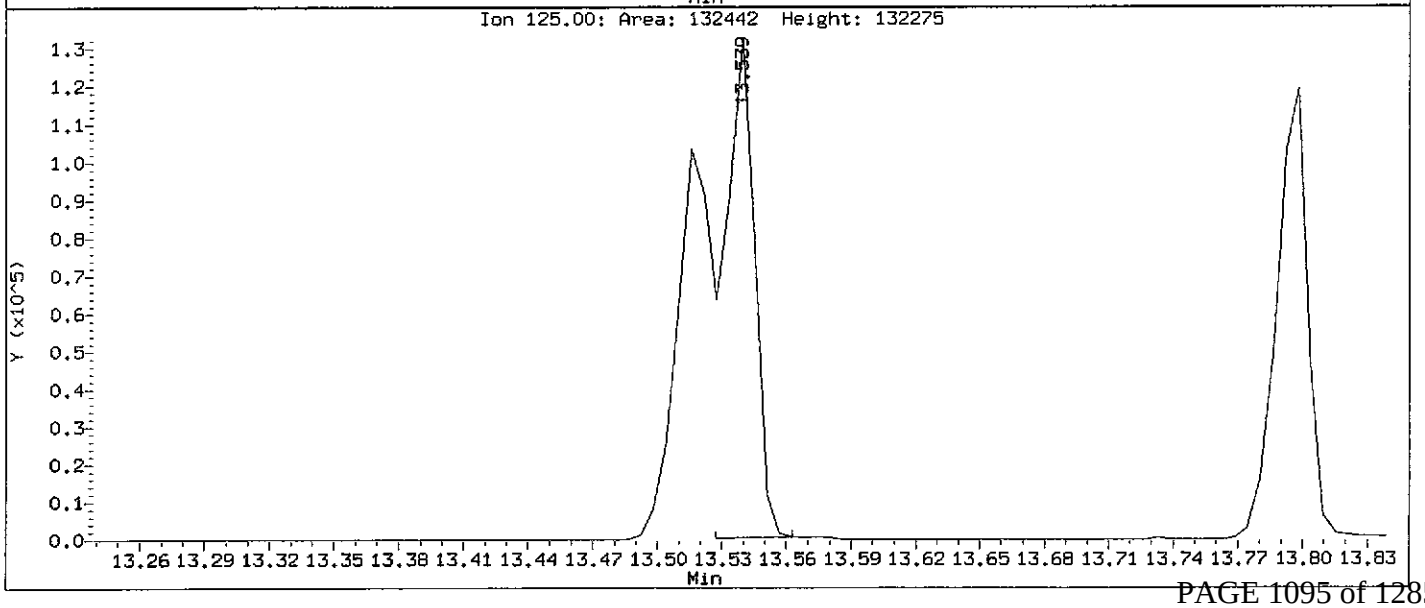


Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

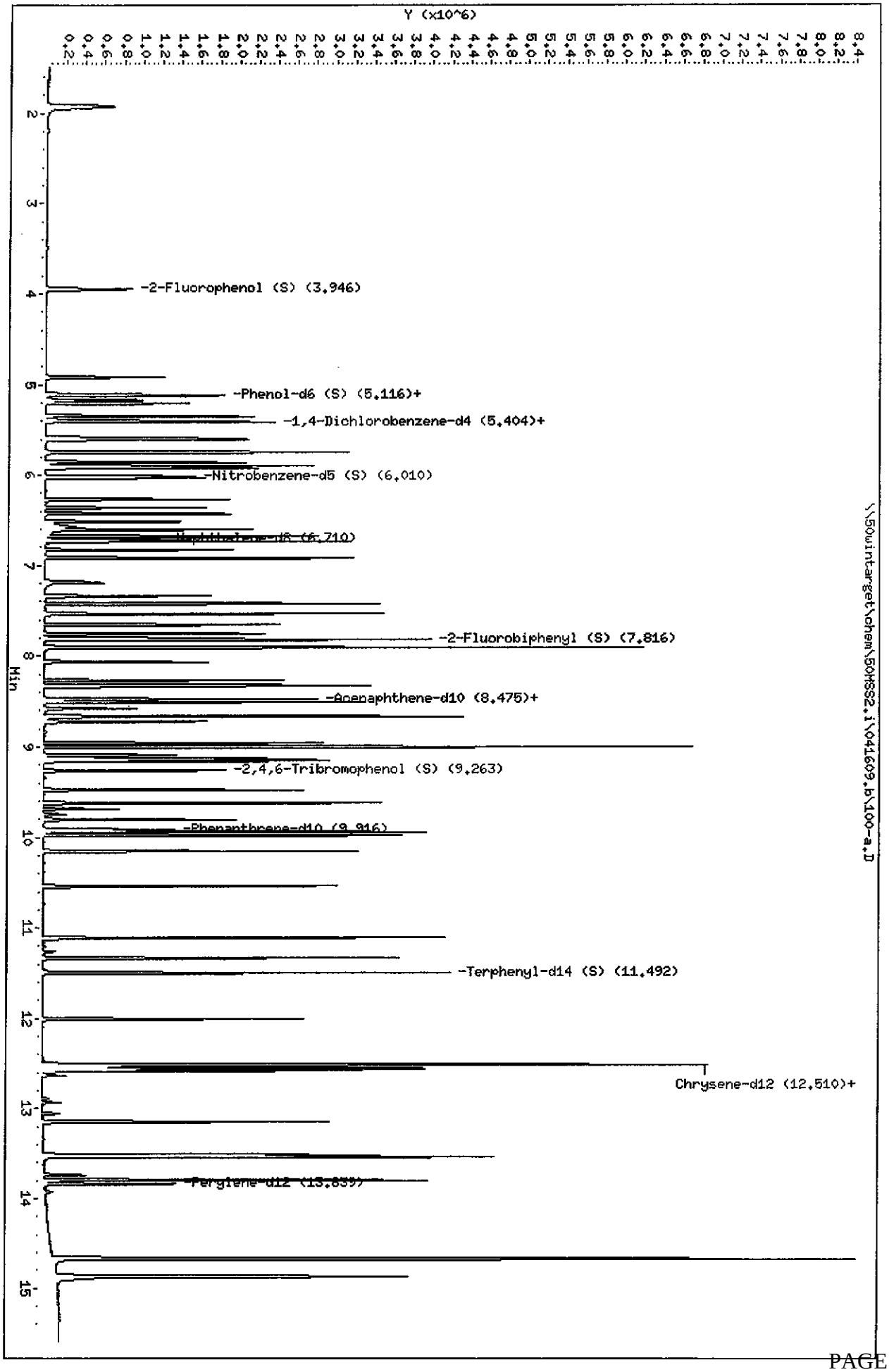






Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Date : 16-APR-2009 09:50
Client ID:
Sample Info: h061f
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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SVOA 8270C
GC/MS Semi-volatiles

Section 4: Quality Control Data

**** Laboratory Control Samples (LCS)***
**** Matrix Spike and Spike Duplicate Samples (MS/MSD)***

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Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Lab Smp Id: 286985 Client Smp ID: 286985
Inj Date : 16-APR-2009 12:11
Operator : KES Inst ID: 50MSS2.i
Smp Info : 286985
Misc Info : ,1,,3,LCS,tcllcs.spk
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 19 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	160853	59.0788	59.08
41 Biphenyl (Diphenyl)	154	7.898	7.898	(0.933)	644756	85.7765	85.78
4 Benzaldehyde	77	4.916	4.916	(0.913)	134834	156.216	156.2
$ 5 Phenol-d6 (S)	99	5.104	5.110	(0.948)	130277	38.0445	38.04
6 Phenol	94	5.116	5.122	(0.950)	135365	38.3446	38.34
7 bis(2-Chloroethyl)ether	93	5.163	5.169	(0.959)	228090	84.0415	84.04
8 2-Chlorophenol	128	5.198	5.204	(0.965)	243422	79.8575	79.86
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	95070	40.0000	(Q)
14 2-Methylphenol	108	5.739	5.745	(1.066)	200044	71.7788	71.78
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.066)	287510	78.9026	78.90
18 3&4-Methylphenol	108	5.892	5.898	(1.094)	195610	67.2485	67.25
17 Acetophenone	105	5.851	5.857	(1.086)	357430	81.0019	81.00
19 N-Nitroso-di-n-propylamine	70	5.886	5.892	(1.093)	189541	79.2290	79.23
20 Hexachloroethane	117	5.915	5.916	(1.098)	93195	62.1231	62.12
$ 21 Nitrobenzene-d5 (S)	82	6.010	6.010	(0.896)	311857	88.7972	88.80
22 Nitrobenzene	77	6.027	6.027	(0.898)	291707	84.5637	84.56
23 Isophorone	82	6.263	6.269	(0.933)	524713	88.8883	88.89
24 2-Nitrophenol	139	6.357	6.357	(0.947)	140976	86.0101	86.01
25 2,4-Dimethylphenol	122	6.421	6.427	(0.957)	205525	81.5172	81.52
26 bis(2-Chloroethoxy)methane	93	6.510	6.516	(0.970)	285514	86.4110	86.41
28 2,4-Dichlorophenol	162	6.598	6.604	(0.983)	226781	88.0537	88.05
* 30 Naphthalene-d8	136	6.710	6.710	(1.000)	331919	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	31 Naphthalene	128	6.727	6.733	(1.003)	668590	79.6584	79.66
	32 4-Chloroaniline	127	6.821	6.827	(1.017)	160507	47.3232	47.32
	33 Hexachlorobutadiene	225	6.915	6.916	(1.031)	161923	71.0797	71.08
	34 Caprolactam	113	7.162	7.192	(1.067)	20750	23.6477	23.65
	35 4-Chloro-3-methylphenol	107	7.327	7.339	(1.092)	228699	87.8322	87.83
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	486979	78.9916	78.99
	37 Hexachlorocyclopentadiene	237	7.651	7.651	(0.903)	170150	62.8825	62.88
	38 2,4,6-Trichlorophenol	196	7.745	7.751	(0.915)	193511	92.0658	92.06
	39 2,4,5-Trichlorophenol	196	7.786	7.798	(0.919)	203662	87.2779	87.28
$	40 2-Fluorobiphenyl (S)	172	7.815	7.815	(0.923)	626094	86.8964	86.90(R)
	42 2-Chloronaphthalene	162	7.904	7.910	(0.933)	509746	83.7180	83.72
	43 2-Nitroaniline	65	8.057	8.063	(0.951)	170704	90.3339	90.33
	44 Dimethylphthalate	163	8.262	8.268	(0.976)	628619	90.0944	90.09
	46 2,6-Dinitrotoluene	165	8.333	8.339	(0.984)	140884	90.5543	90.55
	45 Acenaphthylene	152	8.321	8.321	(0.983)	799889	86.8488	86.85
	48 3-Nitroaniline	138	8.474	8.480	(1.001)	138347	86.4401	86.44
*	47 Acenaphthene-d10	164	8.468	8.474	(1.000)	199838	40.0000	
	49 Acenaphthene	153	8.504	8.510	(1.004)	517277	89.0973	89.10
	50 2,4-Dinitrophenol	184	8.574	8.580	(1.013)	80210	72.7157	72.72
	51 4-Nitrophenol	109	8.662	8.668	(1.023)	63005	48.6400	48.64(QM)
	52 Dibenzofuran	168	8.656	8.662	(1.022)	749289	86.1377	86.14
	53 2,4-Dinitrotoluene	165	8.721	8.721	(1.030)	192182	91.6929	91.69
	54 Diethylphthalate	149	8.951	8.957	(1.057)	637722	88.1766	88.18
	56 4-Chlorophenyl-phenylether	204	9.004	9.004	(1.063)	349743	89.3397	89.34
	55 Fluorene	166	8.998	9.004	(1.063)	638914	88.4133	88.41
	57 4-Nitroaniline	138	9.080	9.092	(1.072)	139710	83.0829	83.08
	59 N-Nitrosodiphenylamine	169	9.133	9.139	(0.922)	541055	114.650	114.6
	58 4,6-Dinitro-2-methylphenol	198	9.115	9.121	(0.920)	125643	79.4974	79.50
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.262	(0.935)	138865	80.8478	80.85
	62 4-Bromophenyl-phenylether	248	9.474	9.480	(0.956)	230294	89.0691	89.07
	63 Hexachlorobenzene	284	9.621	9.621	(0.971)	278192	79.0744	79.07
	64 Atrazine	200	9.692	9.692	(0.978)	192079	126.016	126.0
	65 Pentachlorophenol	266	9.803	9.804	(0.989)	146160	74.7535	74.75
*	66 Phenanthrene-d10	188	9.909	9.915	(1.000)	357064	40.0000	
	67 Phenanthrene	178	9.933	9.939	(1.002)	956709	93.9934	93.99
	68 Anthracene	178	9.980	9.980	(1.007)	981038	92.6506	92.65
	69 Carbazole	167	10.151	10.156	(1.024)	873801	91.6152	91.62
	70 Di-n-butylphthalate	149	10.539	10.539	(1.064)	1044136	88.7096	88.71
	71 Fluoranthene	202	11.109	11.109	(1.121)	1101015	91.7154	91.72
	73 Pyrene	202	11.327	11.333	(1.143)	1194817	94.7229	94.72
$	74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	851477	84.3391	84.34
	75 Butylbenzylphthalate	149	12.003	12.009	(0.959)	478998	86.4589	86.46
	80 bis(2-Ethylhexyl)phthalate	149	12.580	12.580	(1.005)	693609	86.0830	86.08
	77 3,3'-Dichlorobenzidine	252	12.509	12.509	(0.999)	530684	135.189	135.2
	76 Benzo(a)anthracene	228	12.503	12.509	(0.999)	1312540	98.3812	98.38
*	78 Chrysene-d12	240	12.521	12.527	(1.000)	518853	40.0000	
	79 Chrysene	228	12.550	12.556	(1.002)	1190457	92.9016	92.90
	81 Di-n-octylphthalate	149	13.144	13.145	(0.950)	1158731	83.6830	83.68
	82 Benzo(b)fluoranthene	252	13.515	13.521	(0.977)	1541295	95.7607	95.76
	83 Benzo(k)fluoranthene	252	13.539	13.539	(0.978)	1412482	81.8901	81.89(H)
	84 Benzo(a)pyrene	252	13.791	13.797	(0.997)	1291859	91.5798	91.58
*	85 Perylene-d12	264	13.839	13.844	(1.000)	497815	40.0000	
	87 Dibenz(a,h)anthracene	278	14.674	14.680	(1.060)	1457223	99.7593	99.76
	86 Indeno(1,2,3-cd)pyrene	276	14.674	14.674	(1.060)	1736364	101.863	101.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
88 Benzo(g,h,i)perylene	276	14.868	14.874	(1.074)	1333518	99.2223	99.22

QC Flag Legend

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

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 286985L.D
Lab Smp Id: 286985
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,LCS,tcllcs.spk

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 286985
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	95070	-28.00
30 Naphthalene-d8	476075	238038	952150	331919	-30.28
47 Acenaphthene-d10	281638	140819	563276	199838	-29.04
66 Phenanthrene-d10	486545	243273	973090	357064	-26.61
78 Chrysene-d12	638470	319235	1276940	518853	-18.73
85 Perylene-d12	587604	293802	1175208	497815	-15.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286985
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,LCS,tcllcs.spk

Client SDG: 041609.b
Client Smp ID: 286985
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
92-52-4	Biphenyl (Diphenyl)	85.78	
100-52-7	Benzaldehyde	156.2	
108-95-2	Phenol	38.34	
111-44-4	bis(2-Chloroethyl)ether	84.04	
95-57-8	2-Chlorophenol	79.86	
95-48-7	2-Methylphenol	71.78	
108-60-1	2,2'-Oxybis(1-chloropropane)	78.90	
----------	3&4-Methylphenol	67.25	
98-86-2	Acetophenone	81.00	
621-64-7	N-Nitroso-di-n-propylamine	79.23	
67-72-1	Hexachloroethane	62.12	
98-95-3	Nitrobenzene	84.56	
78-59-1	Isophorone	88.89	
88-75-5	2-Nitrophenol	86.01	
105-67-9	2,4-Dimethylphenol	81.52	
111-91-1	bis(2-Chloroethoxy)methane	86.41	
120-83-2	2,4-Dichlorophenol	88.05	
91-20-3	Naphthalene	79.66	
106-47-8	4-Chloroaniline	47.32	
87-68-3	Hexachlorobutadiene	71.08	
10-60-2	Caprolactam	23.65	
59-50-7	4-Chloro-3-methylphenol	87.83	
91-57-6	2-Methylnaphthalene	78.99	
77-47-4	Hexachlorocyclopentadiene	62.88	
88-06-2	2,4,6-Trichlorophenol	92.06	
95-95-4	2,4,5-Trichlorophenol	87.28	
91-58-7	2-Chloronaphthalene	83.72	
88-74-4	2-Nitroaniline	90.33	
131-11-3	Dimethylphthalate	90.09	
606-20-2	2,6-Dinitrotoluene	90.55	
208-96-8	Acenaphthylene	86.85	
99-09-2	3-Nitroaniline	86.44	
83-32-9	Acenaphthene	89.10	
51-28-5	2,4-Dinitrophenol	72.72	
100-02-7	4-Nitrophenol	48.64	
132-64-9	Dibenzofuran	86.14	
121-14-2	2,4-Dinitrotoluene	91.69	
84-66-2	Diethylphthalate	88.18	
7005-72-3	4-Chlorophenyl-phenylether	89.34	
86-73-7	Fluorene	88.41	
100-01-6	4-Nitroaniline	83.08	
86-30-6	N-Nitrosodiphenylamine	114.6	

Pace Analytical Services

TARGET COMPOUNDS

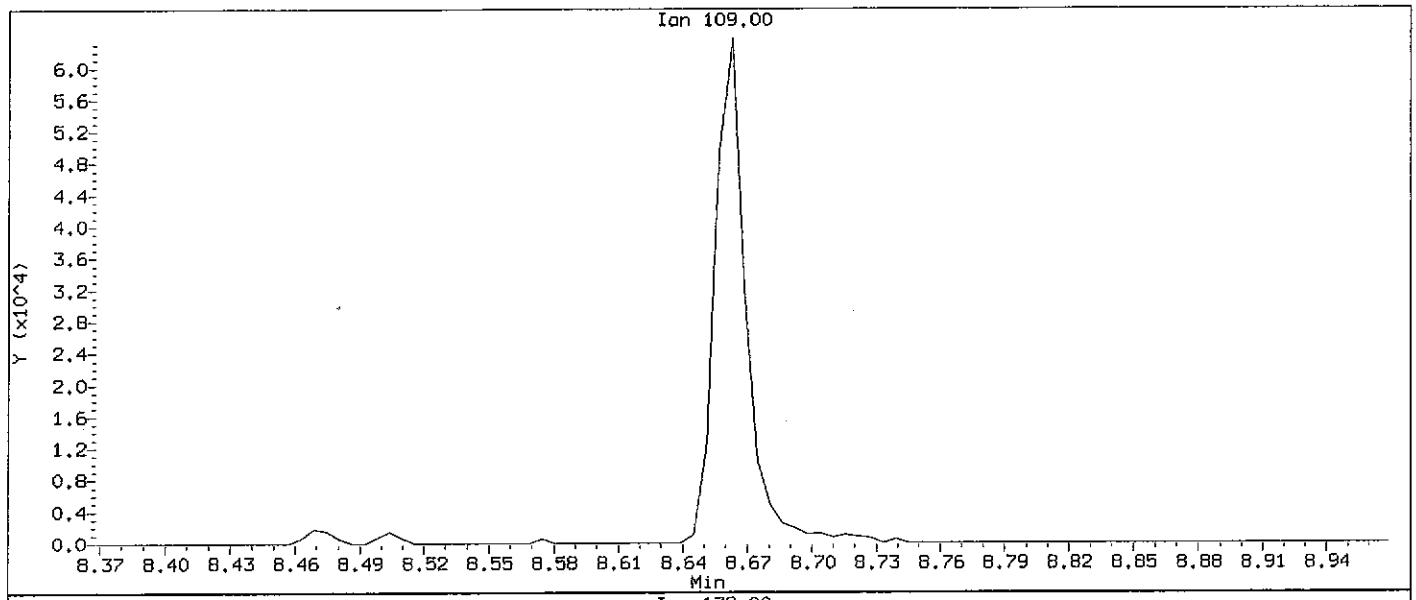
Client Name:
Lab Smp Id: 286985
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,LCS,tcllcs.spk

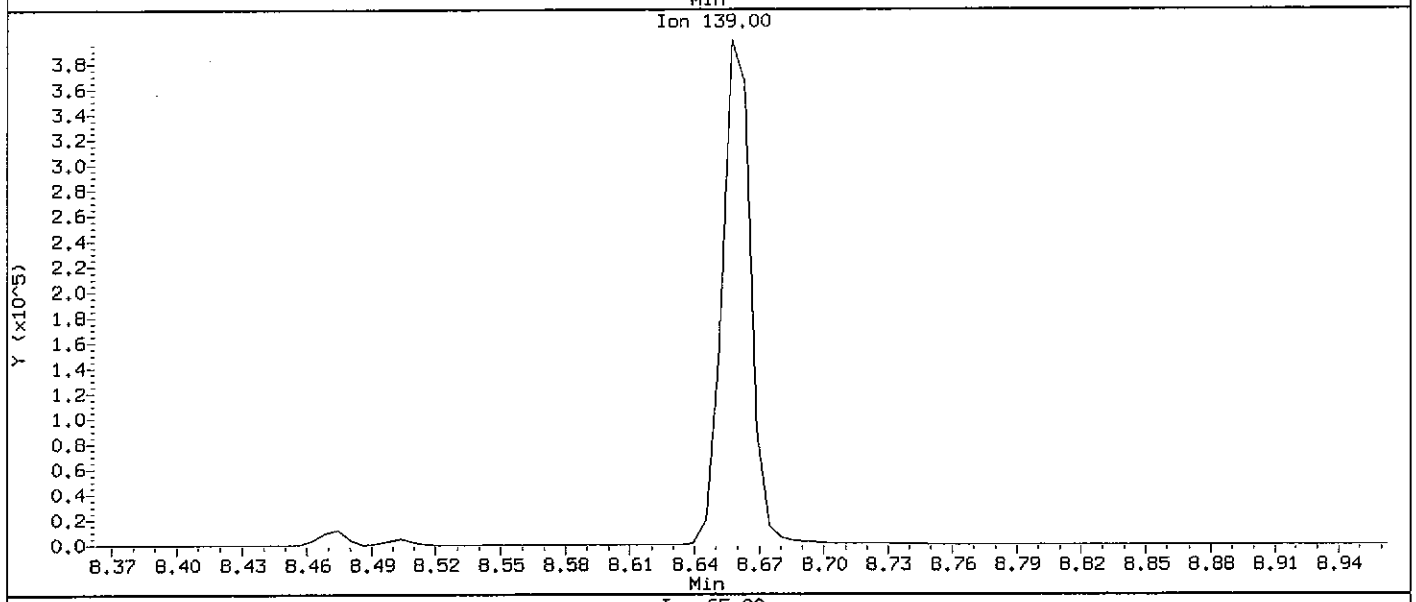
Client SDG: 041609.b
Client Smp ID: 286985
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

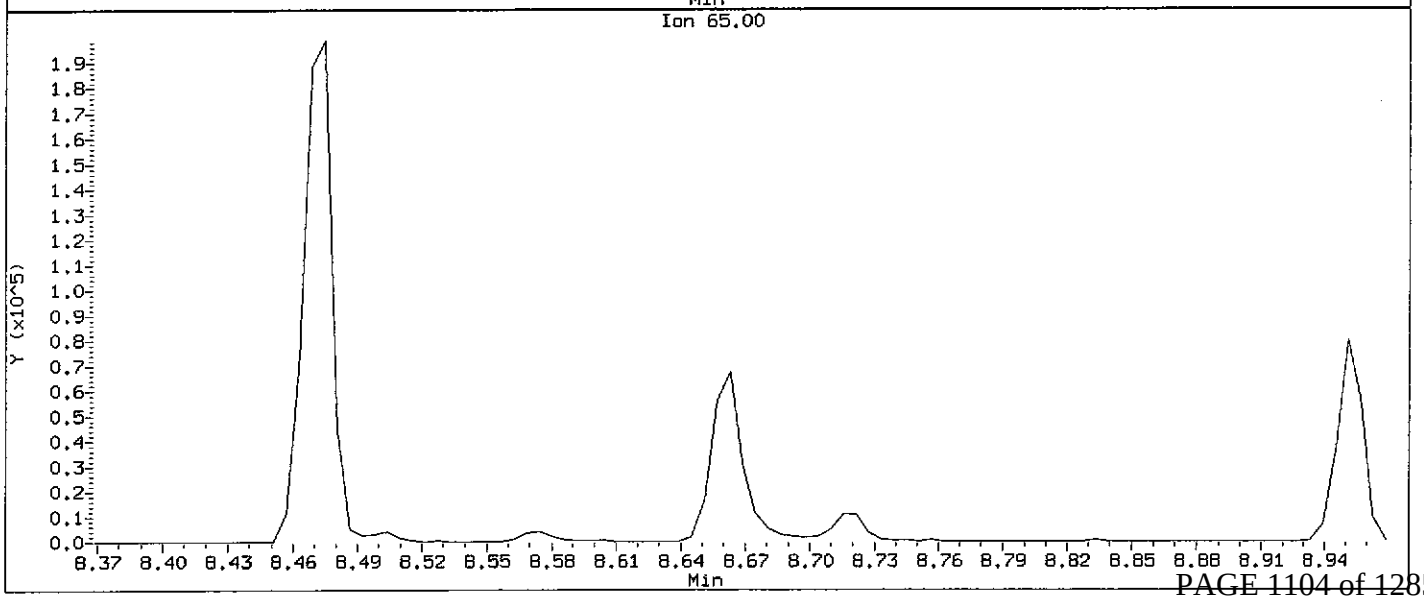
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	79.50	
101-55-3	4-Bromophenyl-phenylether	89.07	
118-74-1	Hexachlorobenzene	79.07	
1912-24-9	Atrazine	126.0	
87-86-5	Pentachlorophenol	74.75	
85-01-8	Phenanthrene	93.99	
120-12-7	Anthracene	92.65	
86-74-8	Carbazole	91.62	
84-74-2	Di-n-butylphthalate	88.71	
206-44-0	Fluoranthene	91.72	
129-00-0	Pyrene	94.72	
85-68-7	Butylbenzylphthalate	86.46	
117-81-7	bis(2-Ethylhexyl)phthalate	86.08	
91-94-1	3,3'-Dichlorobenzidine	135.2	
56-55-3	Benzo(a)anthracene	98.38	
218-01-9	Chrysene	92.90	
117-84-0	Di-n-octylphthalate	83.68	
205-99-2	Benzo(b)fluoranthene	95.76	
207-08-9	Benzo(k)fluoranthene	81.89	
50-32-8	Benzo(a)pyrene	91.58	
53-70-3	Dibenz(a,h)anthracene	99.76	
193-39-5	Indeno(1,2,3-cd)pyrene	101.9	
191-24-2	Benzo(g,h,i)perylene	99.22	
367-12-4	2-Fluorophenol (S)	59.08	
13127-88-3	Phenol-d6 (S)	38.04	
4165-60-0	Nitrobenzene-d5 (S)	88.80	
321-60-8	2-Fluorobiphenyl (S)	86.90	
	2,4,6-Tribromophenol (S)	80.85	
98904-43-9	Terphenyl-d14 (S)	84.34	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: 4-Nitrophenol
CAS Number: 100-02-7

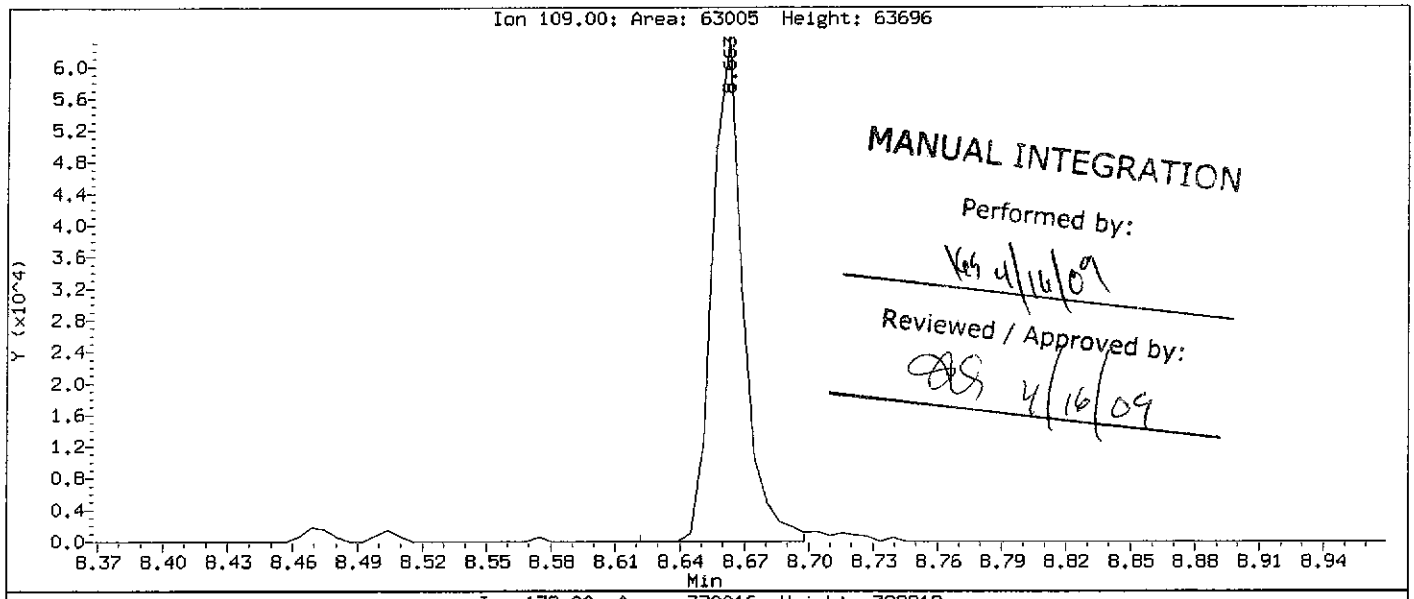


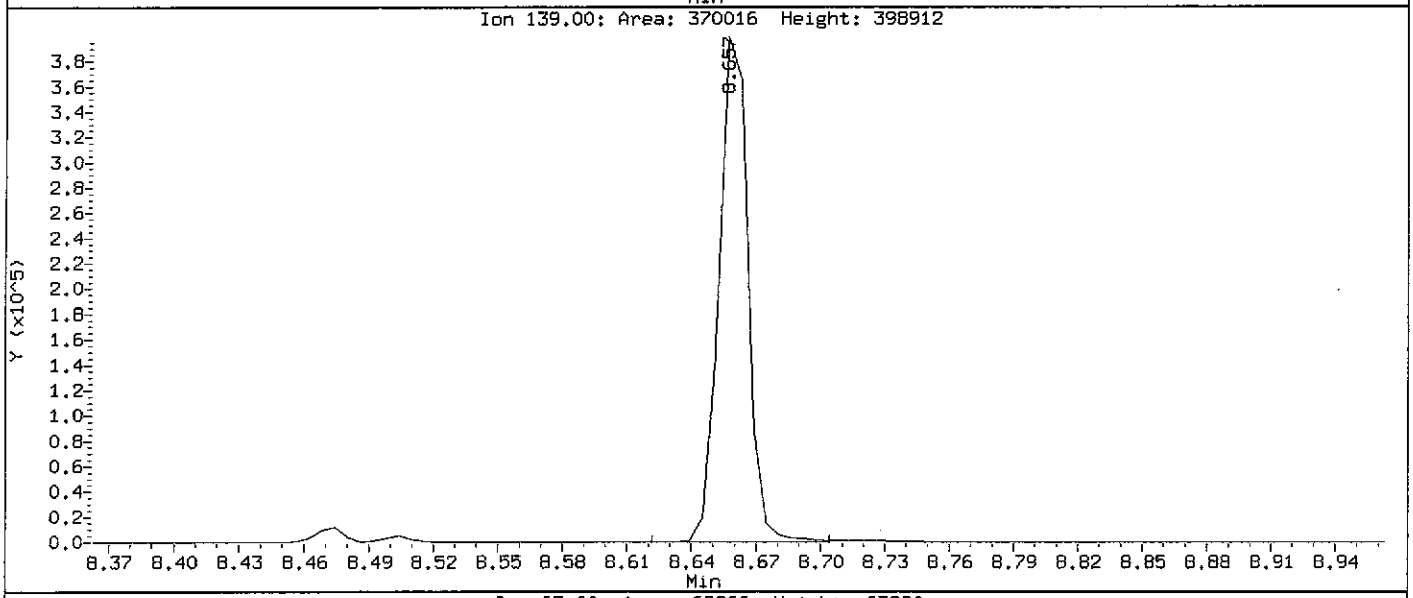


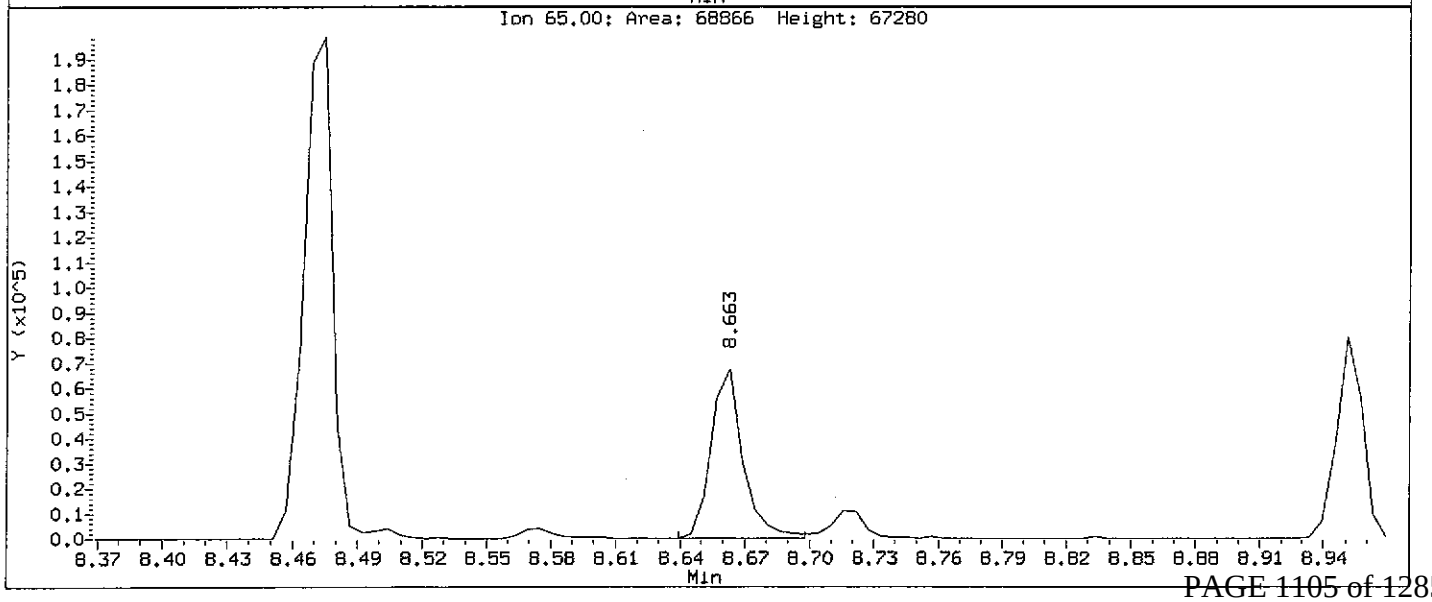


Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: 4-Nitrophenol
CAS Number: 100-02-7

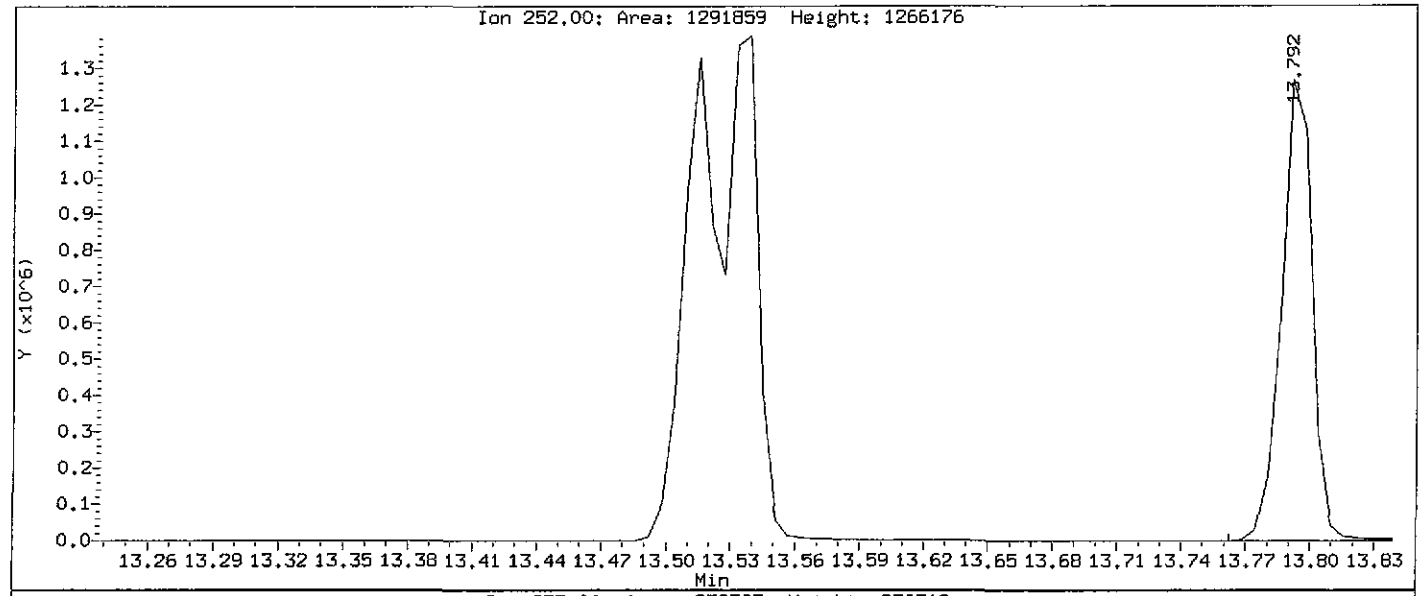


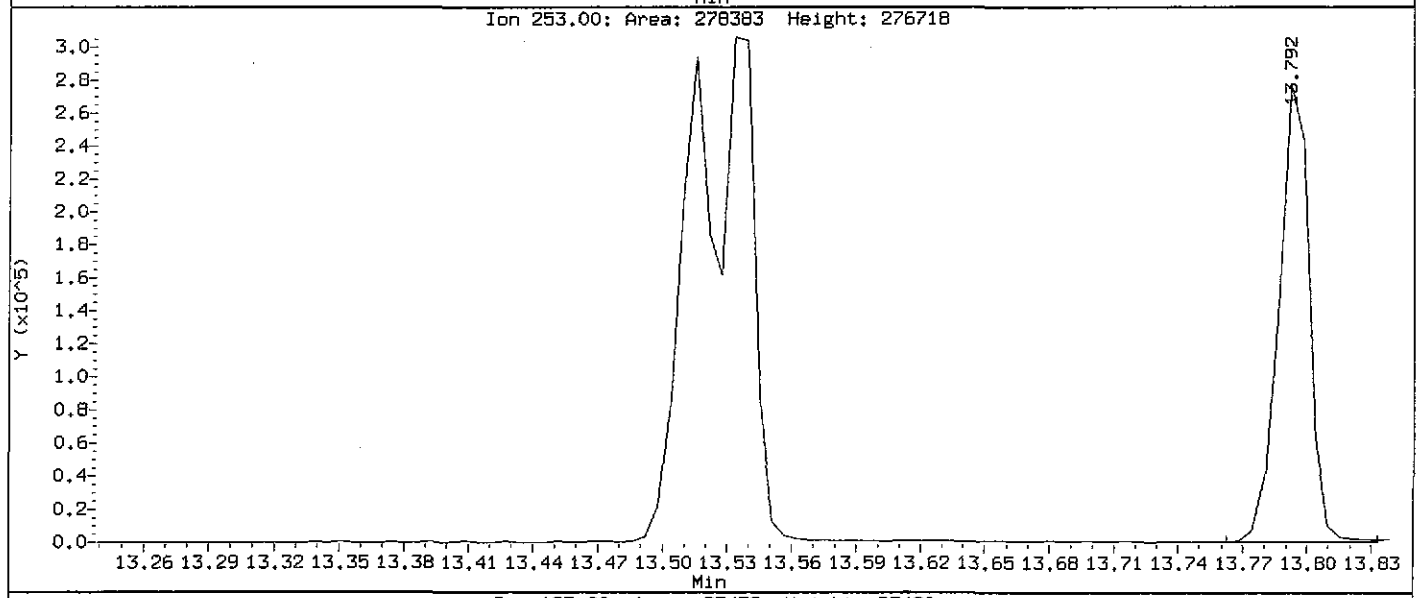


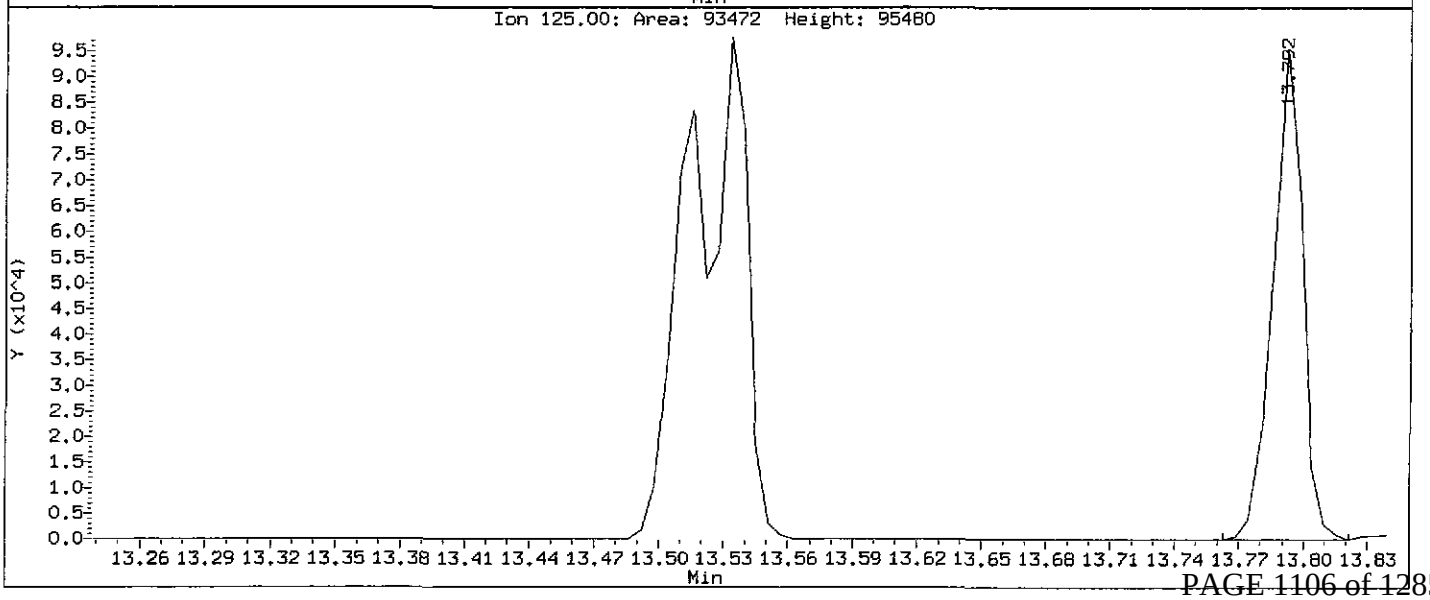


Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

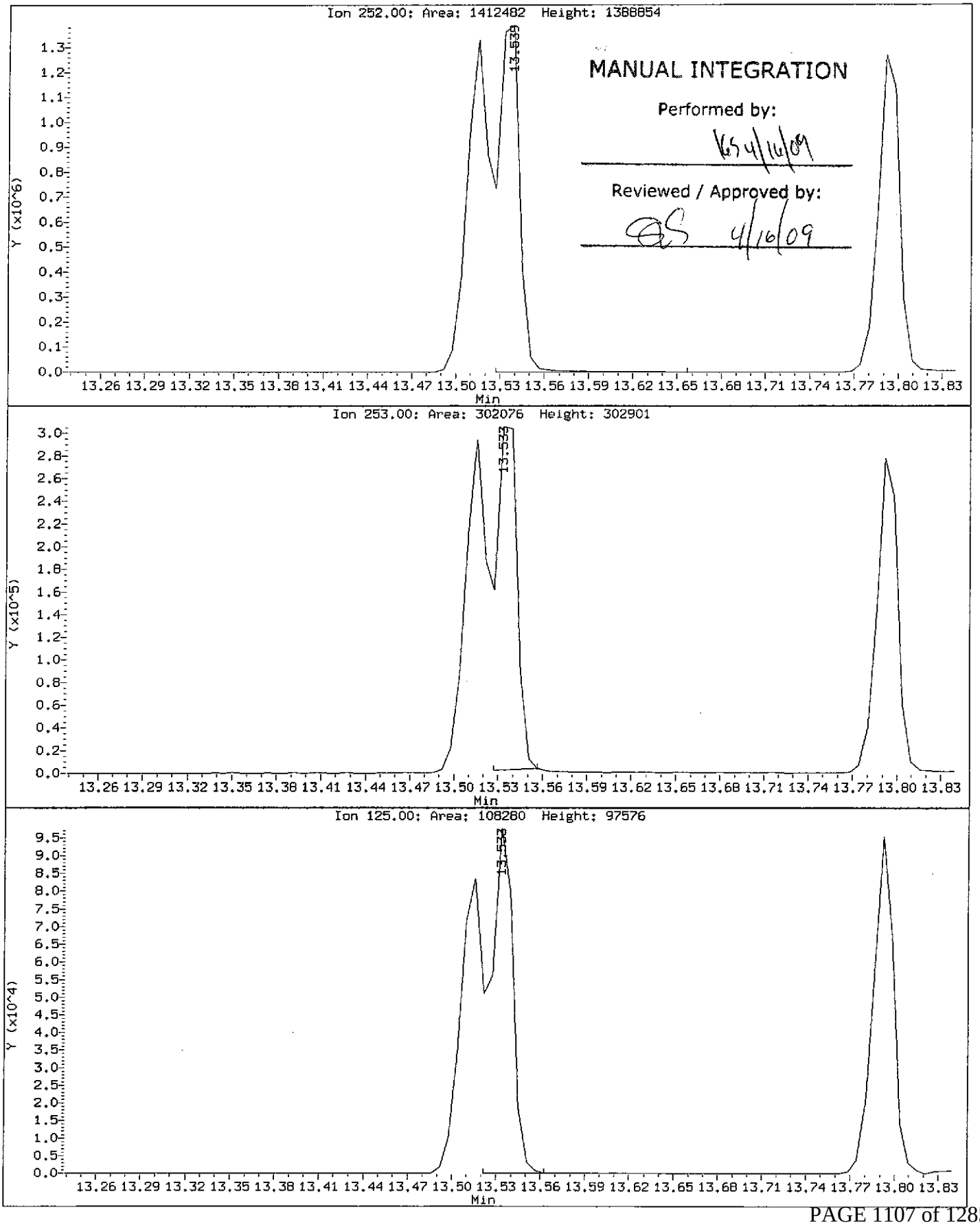






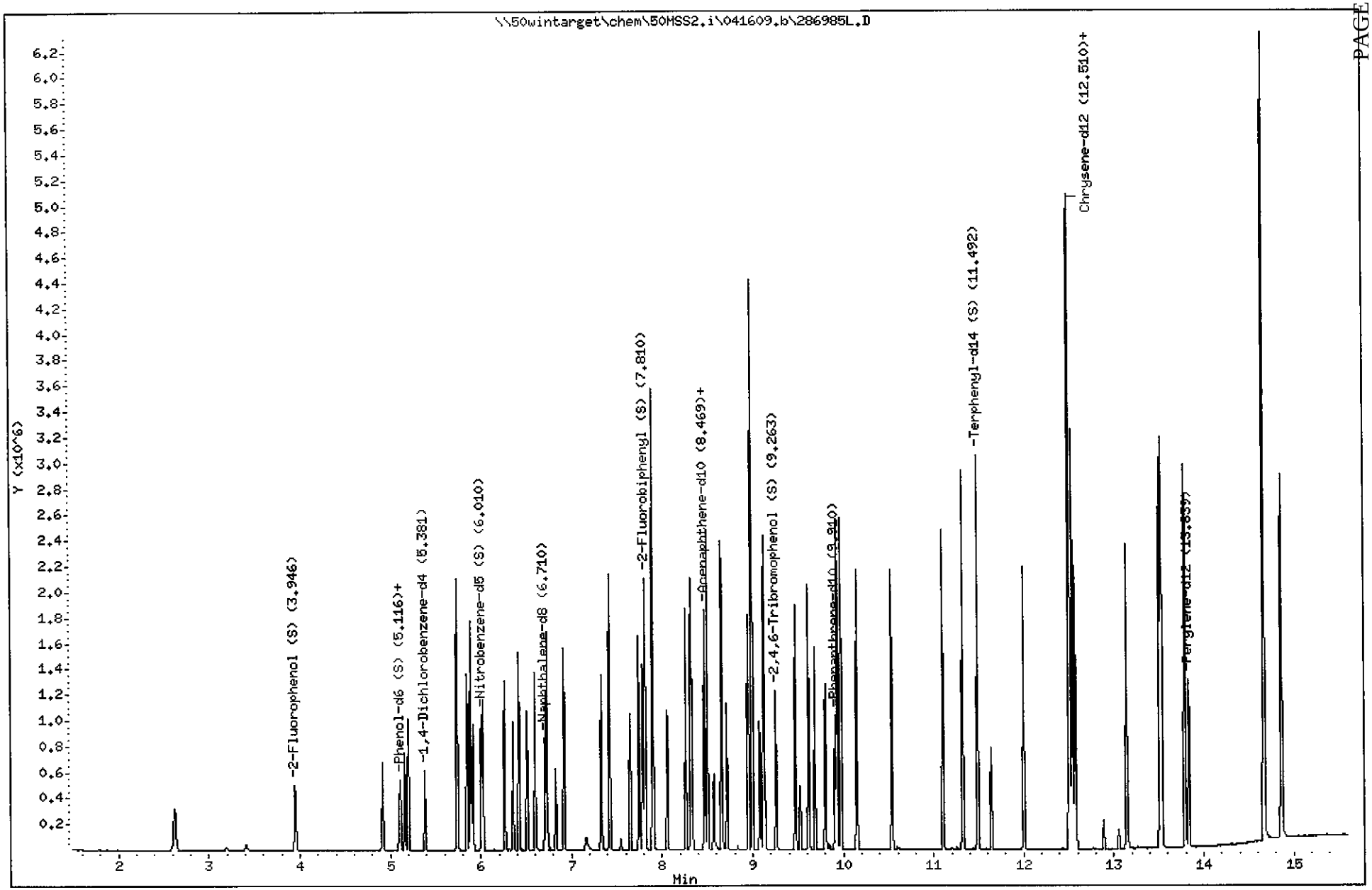
Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Date : 16-APR-2009 12:11
Client ID: 286985
Sample Info: 286985
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\286986m.D
Lab Smp Id: 286986 Client Smp ID: 286986
Inj Date : 16-APR-2009 12:31
Operator : KES Inst ID: 50MSS2.i
Smp Info : 286986
Misc Info : ,1,,3,MS,tcl.spk
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 20 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.733)	231840	79.4914	79.49(R)
41 Biphenyl (Diphenyl)	154	7.898	7.898	(0.933)	704627	92.0276	92.03
4 Benzaldehyde	77	4.916	4.916	(0.914)	143184	154.864	154.9
$ 5 Phenol-d6 (S)	99	5.104	5.110	(0.949)	231602	63.1388	63.14
6 Phenol	94	5.116	5.122	(0.951)	235782	62.3502	62.35
7 bis(2-Chloroethyl)ether	93	5.163	5.169	(0.960)	243927	83.9029	83.90
8 2-Chlorophenol	128	5.198	5.204	(0.966)	263383	80.6628	80.66
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.386	(1.000)	101839	40.0000	(Q)
14 2-Methylphenol	108	5.739	5.745	(1.067)	228650	76.5899	76.59
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	310123	79.4515	79.45
18 3&4-Methylphenol	108	5.892	5.898	(1.095)	236010	75.7445	75.74
17 Acetophenone	105	5.851	5.857	(1.087)	378801	80.1391	80.14
19 N-Nitroso-di-n-propylamine	70	5.886	5.892	(1.094)	201998	78.8239	78.82
20 Hexachloroethane	117	5.916	5.916	(1.099)	111253	69.2312	69.23
$ 21 Nitrobenzene-d5 (S)	82	6.010	6.010	(0.896)	333014	89.8233	89.82
22 Nitrobenzene	77	6.027	6.027	(0.898)	312313	85.7650	85.76
23 Isophorone	82	6.263	6.269	(0.933)	544534	87.3837	87.38
24 2-Nitrophenol	139	6.357	6.357	(0.947)	150835	87.1744	87.17
25 2,4-Dimethylphenol	122	6.421	6.427	(0.957)	195614	73.4967	73.50
26 bis(2-Chloroethoxy)methane	93	6.510	6.516	(0.970)	300702	86.2106	86.21
28 2,4-Dichlorophenol	162	6.598	6.604	(0.983)	238310	87.6529	87.65
* 30 Naphthalene-d8	136	6.710	6.710	(1.000)	350388	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	31 Naphthalene	128	6.727	6.733	(1.003)	764797	86.3179	86.32
	32 4-Chloroaniline	127	6.821	6.827	(1.017)	147466	41.1865	41.19
	33 Hexachlorobutadiene	225	6.915	6.916	(1.031)	206674	85.9421	85.94
	34 Caprolactam	113	7.157	7.192	(1.067)	41230	42.9172	42.92
	35 4-Chloro-3-methylphenol	107	7.333	7.339	(1.093)	239250	87.0411	87.04
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	544942	83.7344	83.73
	37 Hexachlorocyclopentadiene	237	7.651	7.651	(0.903)	196657	71.3498	71.35
	38 2,4,6-Trichlorophenol	196	7.745	7.751	(0.915)	200525	93.6584	93.66
	39 2,4,5-Trichlorophenol	196	7.792	7.798	(0.920)	211499	88.9791	88.98
$	40 2-Fluorobiphenyl (S)	172	7.815	7.815	(0.923)	684014	93.1993	93.20(R)
	42 2-Chloronaphthalene	162	7.904	7.910	(0.933)	558240	90.0060	90.01
	43 2-Nitroaniline	65	8.057	8.063	(0.951)	172196	89.4573	89.46
	44 Dimethylphthalate	163	8.262	8.268	(0.976)	629098	88.5145	88.51
	46 2,6-Dinitrotoluene	165	8.333	8.339	(0.984)	146099	92.1893	92.19
	45 Acenaphthylene	152	8.321	8.321	(0.983)	854850	91.1192	91.12
	48 3-Nitroaniline	138	8.474	8.480	(1.001)	134707	82.6269	82.63
*	47 Acenaphthene-d10	164	8.468	8.474	(1.000)	203560	40.0000	
	49 Acenaphthene	153	8.504	8.510	(1.004)	552228	93.3781	93.38
	50 2,4-Dinitrophenol	184	8.574	8.580	(1.013)	86788	76.7367	76.74
	51 4-Nitrophenol	109	8.662	8.668	(1.023)	102901	77.6130	77.61
	52 Dibenzofuran	168	8.657	8.662	(1.022)	794867	89.7065	89.71
	53 2,4-Dinitrotoluene	165	8.721	8.721	(1.030)	198742	93.0890	93.09
	54 Diethylphthalate	149	8.951	8.957	(1.057)	655631	88.9953	89.00
	56 4-Chlorophenyl-phenylether	204	9.004	9.004	(1.063)	370422	92.8920	92.89
	55 Fluorene	166	8.998	9.004	(1.063)	681015	92.5162	92.52
	57 4-Nitroaniline	138	9.086	9.092	(1.073)	141180	82.4373	82.44
	59 N-Nitrosodiphenylamine	169	9.133	9.139	(0.922)	564057	118.470	118.5
	58 4,6-Dinitro-2-methylphenol	198	9.115	9.121	(0.920)	129111	80.8935	80.89
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.262	(0.935)	143548	82.6827	82.68
	62 4-Bromophenyl-phenylether	248	9.474	9.480	(0.956)	247893	95.0299	95.03
	63 Hexachlorobenzene	284	9.621	9.621	(0.971)	289757	81.5083	81.51
	64 Atrazine	200	9.692	9.692	(0.978)	195682	127.247	127.2
	65 Pentachlorophenol	266	9.804	9.804	(0.989)	151569	76.6348	76.63
*	66 Phenanthrene-d10	188	9.909	9.915	(1.000)	360242	40.0000	
	67 Phenanthrene	178	9.933	9.939	(1.002)	995837	96.9745	96.97
	68 Anthracene	178	9.980	9.980	(1.007)	1031065	96.5162	96.52
	69 Carbazole	167	10.151	10.156	(1.024)	885398	92.0121	92.01
	70 Di-n-butylphthalate	149	10.539	10.539	(1.064)	1071966	90.2706	90.27
	71 Fluoranthene	202	11.109	11.109	(1.121)	1155393	95.3961	95.40
	73 Pyrene	202	11.327	11.333	(1.143)	1226663	96.3897	96.39
$	74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	867712	85.1629	85.16
	75 Butylbenzylphthalate	149	12.003	12.009	(0.959)	497954	92.2475	92.25
	80 bis(2-Ethylhexyl)phthalate	149	12.580	12.580	(1.005)	701258	89.3244	89.32
	77 3,3'-Dichlorobenzidine	252	12.509	12.509	(0.999)	517902	135.408	135.4
	76 Benzo(a)anthracene	228	12.503	12.509	(0.999)	1361674	104.752	104.8
*	78 Chrysene-d12	240	12.521	12.527	(1.000)	505539	40.0000	
	79 Chrysene	228	12.550	12.556	(1.002)	1210468	96.9511	96.95
	81 Di-n-octylphthalate	149	13.144	13.145	(0.950)	1190777	87.3963	87.40
	82 Benzo(b)fluoranthene	252	13.515	13.521	(0.977)	1534595	96.9108	96.91
	83 Benzo(k)fluoranthene	252	13.539	13.539	(0.978)	1494852	88.0048	88.00(MH)
	84 Benzo(a)pyrene	252	13.792	13.797	(0.997)	1303162	93.8904	93.89
*	85 Perylene-d12	264	13.839	13.844	(1.000)	489624	40.0000	
	87 Dibenz(a,h)anthracene	278	14.674	14.680	(1.060)	1514484	105.235	105.2
	86 Indeno(1,2,3-cd)pyrene	276	14.674	14.674	(1.060)	1788115	106.521	106.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
88 Benzo(g,h,i)perylene	276	14.868	14.874	(1.074)	1339806	101.317	101.3

QC Flag Legend

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

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 286986m.D
Lab Smp Id: 286986
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,MS,tcl.spk

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 286986
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	101839	-22.88
30 Naphthalene-d8	476075	238038	952150	350388	-26.40
47 Acenaphthene-d10	281638	140819	563276	203560	-27.72
66 Phenanthrene-d10	486545	243273	973090	360242	-25.96
78 Chrysene-d12	638470	319235	1276940	505539	-20.82
85 Perylene-d12	587604	293802	1175208	489624	-16.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.38	-0.11
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286986
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,MS,tcl.spk

Client SDG: 041609.b
Client Smp ID: 286986
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
92-52-4	Biphenyl (Diphenyl)	92.03	
100-52-7	Benzaldehyde	154.9	
108-95-2	Phenol	62.35	
111-44-4	bis(2-Chloroethyl)ether	83.90	
95-57-8	2-Chlorophenol	80.66	
95-48-7	2-Methylphenol	76.59	
108-60-1	2,2'-Oxybis(1-chloropropane)	79.45	
	3&4-Methylphenol	75.74	
98-86-2	Acetophenone	80.14	
621-64-7	N-Nitroso-di-n-propylamine	78.82	
67-72-1	Hexachloroethane	69.23	
98-95-3	Nitrobenzene	85.76	
78-59-1	Isophorone	87.38	
88-75-5	2-Nitrophenol	87.17	
105-67-9	2,4-Dimethylphenol	73.50	
111-91-1	bis(2-Chloroethoxy)methane	86.21	
120-83-2	2,4-Dichlorophenol	87.65	
91-20-3	Naphthalene	86.32	
106-47-8	4-Chloroaniline	41.19	
87-68-3	Hexachlorobutadiene	85.94	
10-60-2	Caprolactam	42.92	
59-50-7	4-Chloro-3-methylphenol	87.04	
91-57-6	2-Methylnaphthalene	83.73	
77-47-4	Hexachlorocyclopentadiene	71.35	
88-06-2	2,4,6-Trichlorophenol	93.66	
95-95-4	2,4,5-Trichlorophenol	88.98	
91-58-7	2-Chloronaphthalene	90.01	
88-74-4	2-Nitroaniline	89.46	
131-11-3	Dimethylphthalate	88.51	
606-20-2	2,6-Dinitrotoluene	92.19	
208-96-8	Acenaphthylene	91.12	
99-09-2	3-Nitroaniline	82.63	
83-32-9	Acenaphthene	93.38	
51-28-5	2,4-Dinitrophenol	76.74	
100-02-7	4-Nitrophenol	77.61	
132-64-9	Dibenzofuran	89.71	
121-14-2	2,4-Dinitrotoluene	93.09	
84-66-2	Diethylphthalate	89.00	
7005-72-3	4-Chlorophenyl-phenylether	92.89	
86-73-7	Fluorene	92.52	
100-01-6	4-Nitroaniline	82.44	
86-30-6	N-Nitrosodiphenylamine	118.5	

Pace Analytical Services

TARGET COMPOUNDS

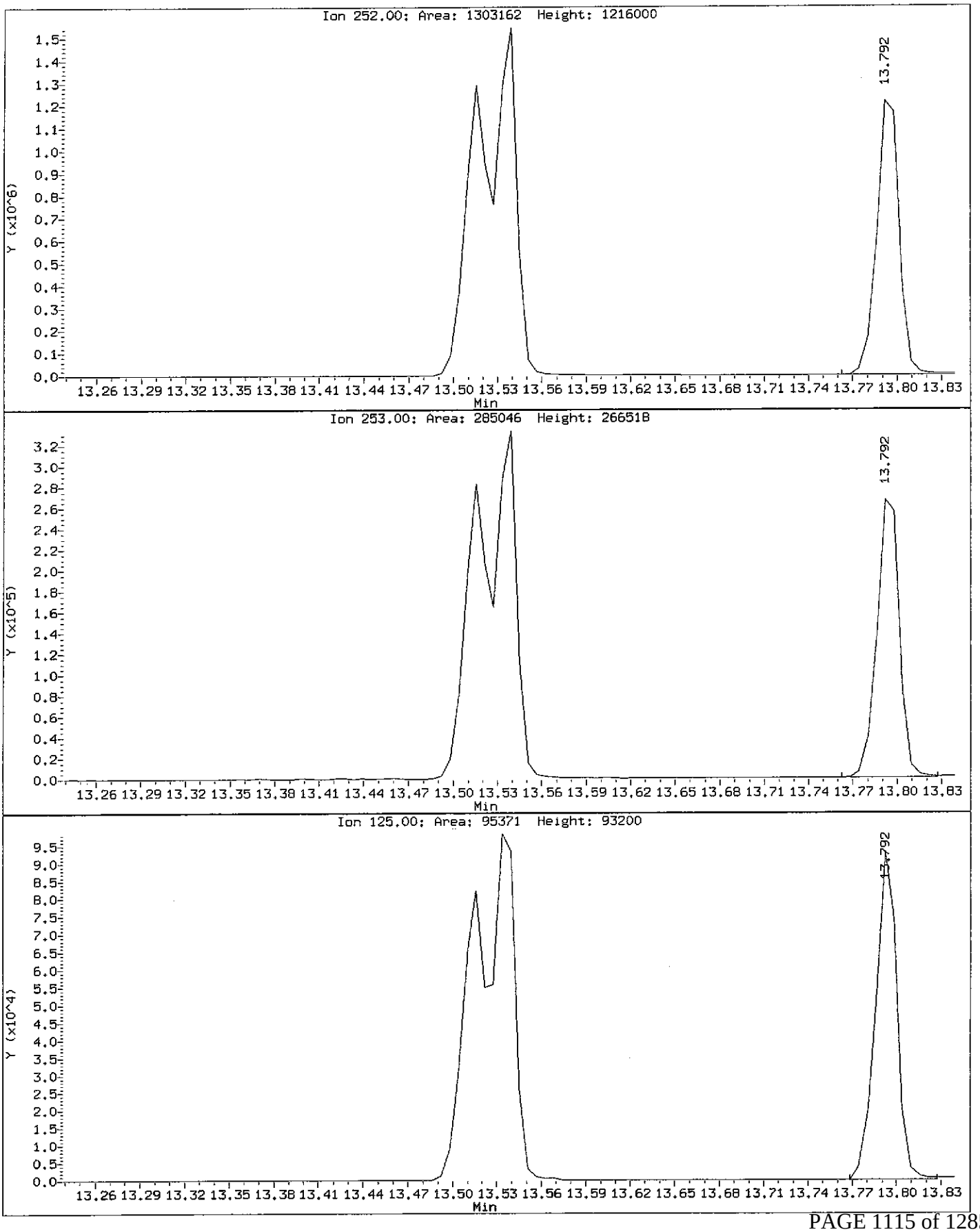
Client Name:
Lab Smp Id: 286986
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,MS,tcl.spk

Client SDG: 041609.b
Client Smp ID: 286986
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	80.89	
101-55-3	4-Bromophenyl-phenylether	95.03	
118-74-1	Hexachlorobenzene	81.51	
1912-24-9	Atrazine	127.2	
87-86-5	Pentachlorophenol	76.63	
85-01-8	Phenanthrene	96.97	
120-12-7	Anthracene	96.52	
86-74-8	Carbazole	92.01	
84-74-2	Di-n-butylphthalate	90.27	
206-44-0	Fluoranthene	95.40	
129-00-0	Pyrene	96.39	
85-68-7	Butylbenzylphthalate	92.25	
117-81-7	bis(2-Ethylhexyl)phthalate	89.32	
91-94-1	3,3'-Dichlorobenzidine	135.4	
56-55-3	Benzo(a)anthracene	104.8	
218-01-9	Chrysene	96.95	
117-84-0	Di-n-octylphthalate	87.40	
205-99-2	Benzo(b)fluoranthene	96.91	
207-08-9	Benzo(k)fluoranthene	88.00	
50-32-8	Benzo(a)pyrene	93.89	
53-70-3	Dibenz(a,h)anthracene	105.2	
193-39-5	Indeno(1,2,3-cd)pyrene	106.5	
191-24-2	Benzo(g,h,i)perylene	101.3	
367-12-4	2-Fluorophenol (S)	79.49	
13127-88-3	Phenol-d6 (S)	63.14	
4165-60-0	Nitrobenzene-d5 (S)	89.82	
321-60-8	2-Fluorobiphenyl (S)	93.20	
	2,4,6-Tribromophenol (S)	82.68	
98904-43-9	Terphenyl-d14 (S)	85.16	

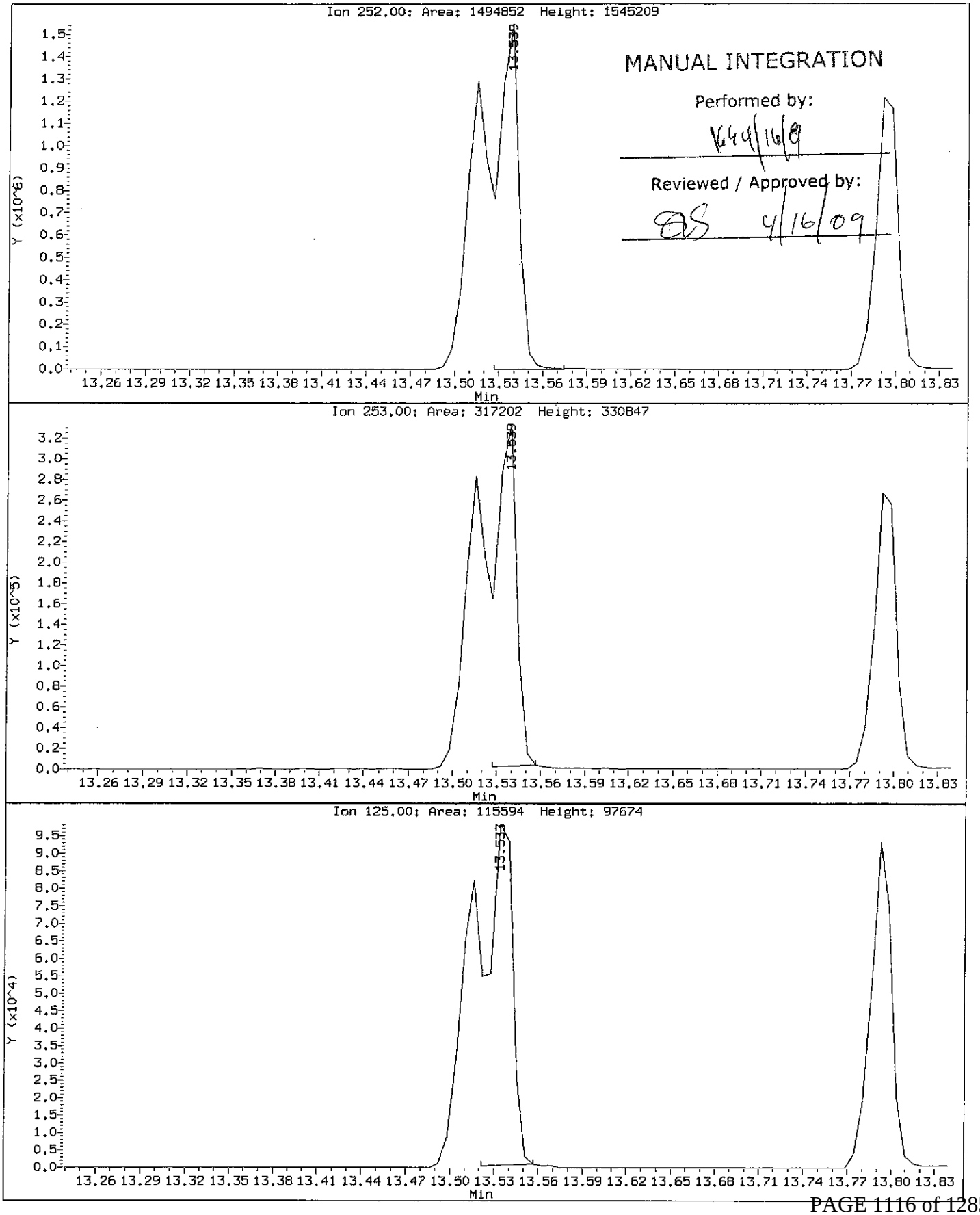
Data File: \\50wintarget\chem\50MSS2.i\041609.b\286986m.D
Injection Date: 16-APR-2009 12:31
Instrument: 50MSS2.i
Client Sample ID: 286986

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



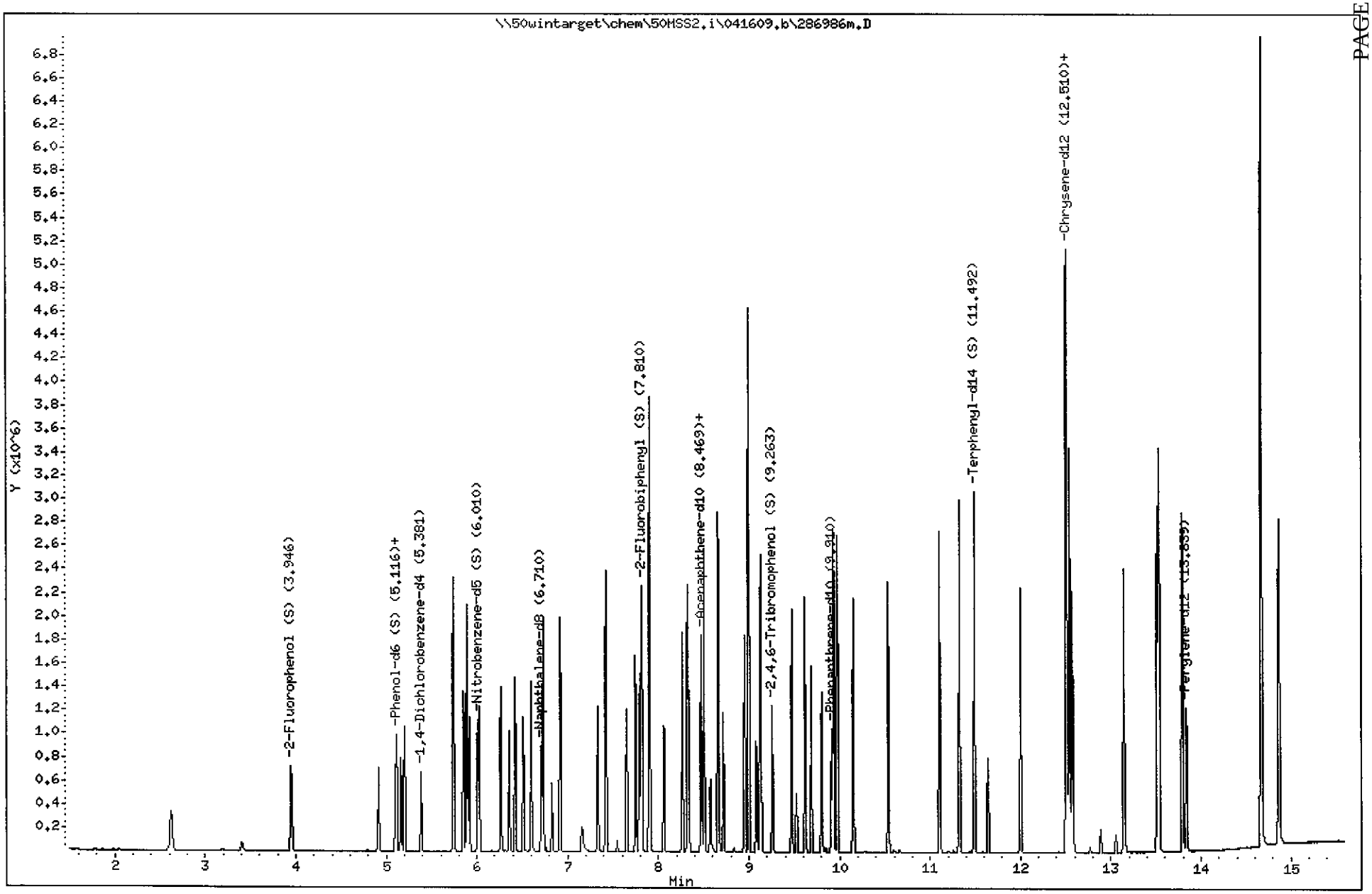
Data File: \\50wintarget\chem\50MSS2.i\041609.b\286986m.D
Injection Date: 16-APR-2009 12:31
Instrument: 50MSS2.i
Client Sample ID: 286986

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



Data File: \\50wintarget\chem\50MSS2.i\041609.b\286986m.D
Date : 16-APR-2009 12:31
Client ID: 286986
Sample Info: 286986
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\286987d.D
Lab Smp Id: 286987 Client Smp ID: 286987
Inj Date : 16-APR-2009 12:51
Operator : KES Inst ID: 50MSS2.i
Smp Info : 286987
Misc Info : ,1,,3,MSD,tcl.spk
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 21 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	198890	72.7553	72.76
41 Biphenyl (Diphenyl)	154	7.898	7.898	(0.933)	650584	87.9134	87.91
4 Benzaldehyde	77	4.915	4.916	(0.913)	132056	152.382	152.4
$ 5 Phenol-d6 (S)	99	5.104	5.110	(0.948)	191210	55.6141	55.61
6 Phenol	94	5.115	5.122	(0.950)	196333	55.3911	55.39
7 bis(2-Chloroethyl)ether	93	5.162	5.169	(0.959)	222926	81.8084	81.81
8 2-Chlorophenol	128	5.198	5.204	(0.965)	241453	78.8929	78.89
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	95454	40.0000	(Q)
14 2-Methylphenol	108	5.739	5.745	(1.066)	209105	74.7282	74.73
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.066)	284095	77.6518	77.65
18 3&4-Methylphenol	108	5.892	5.898	(1.094)	214695	73.5128	73.51
17 Acetophenone	105	5.851	5.857	(1.086)	350456	79.1019	79.10
19 N-Nitroso-di-n-propylamine	70	5.886	5.892	(1.093)	185251	77.1243	77.12
20 Hexachloroethane	117	5.915	5.916	(1.098)	101452	67.3551	67.36
$ 21 Nitrobenzene-d5 (S)	82	6.009	6.010	(0.896)	310262	88.7540	88.75
22 Nitrobenzene	77	6.027	6.027	(0.898)	295511	86.0650	86.06(M)
23 Isophorone	82	6.262	6.269	(0.933)	507957	86.4501	86.45
24 2-Nitrophenol	139	6.357	6.357	(0.947)	139481	85.4939	85.49
25 2,4-Dimethylphenol	122	6.421	6.427	(0.957)	195468	77.8890	77.89
26 bis(2-Chloroethoxy)methane	93	6.509	6.516	(0.970)	280105	85.1684	85.17
28 2,4-Dichlorophenol	162	6.598	6.604	(0.983)	218495	85.2311	85.23
* 30 Naphthalene-d8	136	6.709	6.710	(1.000)	330382	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	31 Naphthalene	128	6.727	6.733	(1.003)	694906	83.1790	83.18
	32 4-Chloroaniline	127	6.821	6.827	(1.017)	139122	41.2090	41.21
	33 Hexachlorobutadiene	225	6.915	6.916	(1.031)	183889	81.0977	81.10
	34 Caprolactam	113	7.156	7.192	(1.067)	32995	36.6983	36.70
	35 4-Chloro-3-methylphenol	107	7.327	7.339	(1.092)	223452	86.2163	86.22
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	500935	81.6334	81.63
	37 Hexachlorocyclopentadiene	237	7.651	7.651	(0.903)	199819	75.0090	75.01
	38 2,4,6-Trichlorophenol	196	7.745	7.751	(0.915)	185281	89.5369	89.54
	39 2,4,5-Trichlorophenol	196	7.786	7.798	(0.919)	196705	85.6226	85.62
$	40 2-Fluorobiphenyl (S)	172	7.815	7.815	(0.923)	633425	89.2968	89.30(R)
	42 2-Chloronaphthalene	162	7.903	7.910	(0.933)	520176	86.7749	86.77
	43 2-Nitroaniline	65	8.056	8.063	(0.951)	164249	88.2854	88.28
	44 Dimethylphthalate	163	8.262	8.268	(0.976)	600132	87.3647	87.36
	46 2,6-Dinitrotoluene	165	8.333	8.339	(0.984)	137688	89.8923	89.89
	45 Acenaphthylene	152	8.321	8.321	(0.983)	800078	88.2359	88.24
	48 3-Nitroaniline	138	8.474	8.480	(1.001)	129371	82.1034	82.10
*	47 Acenaphthene-d10	164	8.468	8.474	(1.000)	196743	40.0000	
	49 Acenaphthene	153	8.503	8.510	(1.004)	512006	89.5767	89.58
	50 2,4-Dinitrophenol	184	8.574	8.580	(1.013)	77946	71.8796	71.88
	51 4-Nitrophenol	109	8.662	8.668	(1.023)	91551	71.4942	71.49(QM)
	52 Dibenzofuran	168	8.656	8.662	(1.022)	738133	86.1901	86.19
	53 2,4-Dinitrotoluene	165	8.721	8.721	(1.030)	183723	89.0360	89.04
	54 Diethylphthalate	149	8.950	8.957	(1.057)	607937	85.3806	85.38
	56 4-Chlorophenyl-phenylether	204	8.998	9.004	(1.063)	350019	90.8168	90.82
	55 Fluorene	166	8.998	9.004	(1.063)	638631	89.7644	89.76
	57 4-Nitroaniline	138	9.080	9.092	(1.072)	132979	80.3881	80.39
	59 N-Nitrosodiphenylamine	169	9.133	9.139	(0.922)	519866	112.771	112.8
	58 4,6-Dinitro-2-methylphenol	198	9.115	9.121	(0.920)	121571	78.7839	78.78
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.262	(0.935)	136589	81.3643	81.36
	62 4-Bromophenyl-phenylether	248	9.474	9.480	(0.956)	231547	91.6765	91.68
	63 Hexachlorobenzene	284	9.621	9.621	(0.971)	269371	78.4163	78.42
	64 Atrazine	200	9.692	9.692	(0.978)	185732	124.740	124.7
	65 Pentachlorophenol	266	9.803	9.804	(0.989)	142485	74.6161	74.62
*	66 Phenanthrene-d10	188	9.909	9.915	(1.000)	348796	40.0000	
	67 Phenanthrene	178	9.933	9.939	(1.002)	933538	93.8910	93.89
	68 Anthracene	178	9.980	9.980	(1.007)	965277	93.3231	93.32
	69 Carbazole	167	10.150	10.156	(1.024)	843971	90.5851	90.58
	70 Di-n-butylphthalate	149	10.539	10.539	(1.064)	1025239	89.1689	89.17
	71 Fluoranthene	202	11.109	11.109	(1.121)	1072493	91.4573	91.46
	73 Pyrene	202	11.327	11.333	(1.143)	1177240	95.5418	95.54
$	74 Terphenyl-d14 (S)	244	11.491	11.492	(1.160)	810241	82.2240	82.22
	75 Butylbenzylphthalate	149	12.003	12.009	(0.959)	471841	88.3285	88.33
	80 bis(2-Ethylhexyl)phthalate	149	12.580	12.580	(1.005)	680074	87.5363	87.54
	77 3,3'-Dichlorobenzidine	252	12.509	12.509	(0.999)	506881	133.919	133.9
	76 Benzo(a)anthracene	228	12.503	12.509	(0.999)	1295583	100.715	100.7
*	78 Chrysene-d12	240	12.521	12.527	(1.000)	500282	40.0000	
	79 Chrysene	228	12.550	12.556	(1.002)	1162432	94.0820	94.08(M)
	81 Di-n-octylphthalate	149	13.144	13.145	(0.950)	1135068	84.1713	84.17
	82 Benzo(b)fluoranthene	252	13.515	13.521	(0.977)	1475938	94.2026	94.20
	83 Benzo(k)fluoranthene	252	13.538	13.539	(0.978)	1400556	83.3538	83.35(MH)
	84 Benzo(a)pyrene	252	13.791	13.797	(0.997)	1258360	91.6014	91.60
*	85 Perylene-d12	264	13.838	13.844	(1.000)	484790	40.0000	
	87 Dibenz(a,h)anthracene	278	14.674	14.680	(1.060)	1421594	99.9293	99.93
	86 Indeno(1,2,3-cd)pyrene	276	14.674	14.674	(1.060)	1684159	101.466	101.5

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
88 Benzo(g,h,i)perylene	276	14.868	14.874	(1.074)	1287685	98.4023	98.40

QC Flag Legend

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

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 286987d.D
Lab Smp Id: 286987
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,MSD,tcl.spk

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 286987
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	95454	-27.71
30 Naphthalene-d8	476075	238038	952150	330382	-30.60
47 Acenaphthene-d10	281638	140819	563276	196743	-30.14
66 Phenanthrene-d10	486545	243273	973090	348796	-28.31
78 Chrysene-d12	638470	319235	1276940	500282	-21.64
85 Perylene-d12	587604	293802	1175208	484790	-17.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286987
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,MSD,tcl.spk

Client SDG: 041609.b
Client Smp ID: 286987
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
92-52-4	Biphenyl (Diphenyl)	87.91	
100-52-7	Benzaldehyde	152.4	
108-95-2	Phenol	55.39	
111-44-4	bis(2-Chloroethyl)ether	81.81	
95-57-8	2-Chlorophenol	78.89	
95-48-7	2-Methylphenol	74.73	
108-60-1	2,2'-Oxybis(1-chloropropane)	77.65	
	3&4-Methylphenol	73.51	
98-86-2	Acetophenone	79.10	
621-64-7	N-Nitroso-di-n-propylamine	77.12	
67-72-1	Hexachloroethane	67.36	
98-95-3	Nitrobenzene	86.06	
78-59-1	Isophorone	86.45	
88-75-5	2-Nitrophenol	85.49	
105-67-9	2,4-Dimethylphenol	77.89	
111-91-1	bis(2-Chloroethoxy)methane	85.17	
120-83-2	2,4-Dichlorophenol	85.23	
91-20-3	Naphthalene	83.18	
106-47-8	4-Chloroaniline	41.21	
87-68-3	Hexachlorobutadiene	81.10	
10-60-2	Caprolactam	36.70	
59-50-7	4-Chloro-3-methylphenol	86.22	
91-57-6	2-Methylnaphthalene	81.63	
77-47-4	Hexachlorocyclopentadiene	75.01	
88-06-2	2,4,6-Trichlorophenol	89.54	
95-95-4	2,4,5-Trichlorophenol	85.62	
91-58-7	2-Chloronaphthalene	86.77	
88-74-4	2-Nitroaniline	88.28	
131-11-3	Dimethylphthalate	87.36	
606-20-2	2,6-Dinitrotoluene	89.89	
208-96-8	Acenaphthylene	88.24	
99-09-2	3-Nitroaniline	82.10	
83-32-9	Acenaphthene	89.58	
51-28-5	2,4-Dinitrophenol	71.88	
100-02-7	4-Nitrophenol	71.49	
132-64-9	Dibenzofuran	86.19	
121-14-2	2,4-Dinitrotoluene	89.04	
84-66-2	Diethylphthalate	85.38	
7005-72-3	4-Chlorophenyl-phenylether	90.82	
86-73-7	Fluorene	89.76	
100-01-6	4-Nitroaniline	80.39	
86-30-6	N-Nitrosodiphenylamine	112.8	

Pace Analytical Services

TARGET COMPOUNDS

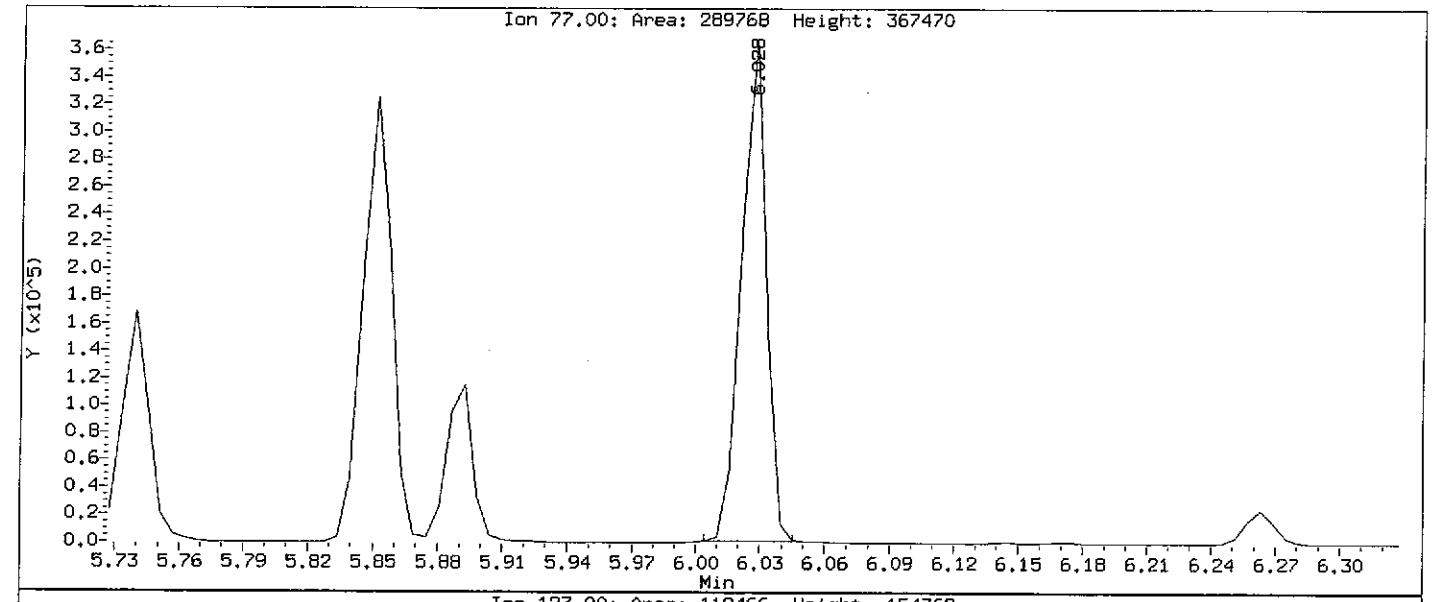
Client Name:
Lab Smp Id: 286987
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,MSD,tcl.spk

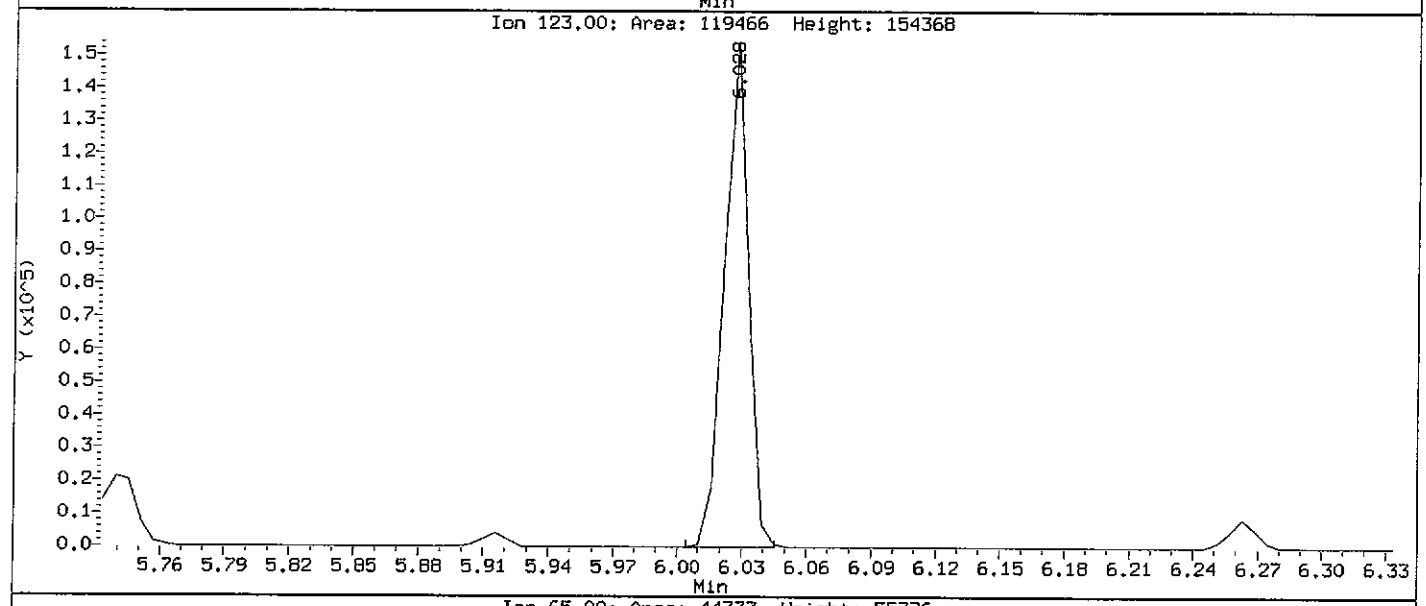
Client SDG: 041609.b
Client Smp ID: 286987
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

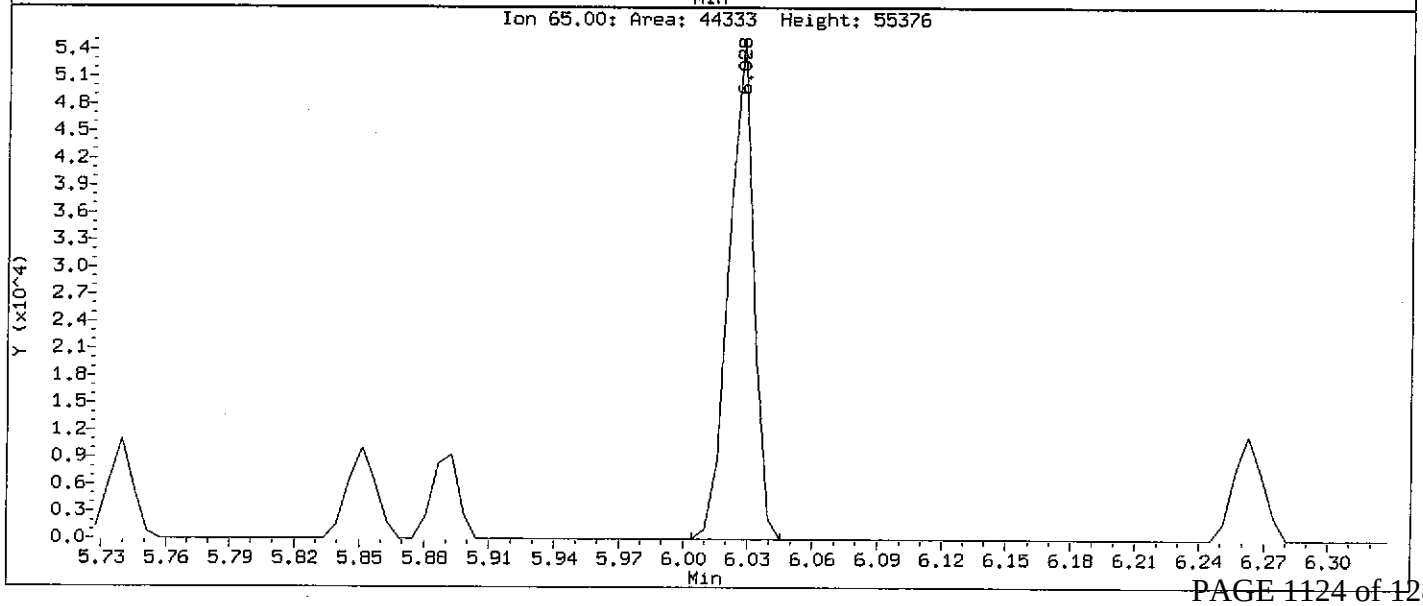
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	78.78	
101-55-3	4-Bromophenyl-phenylether	91.68	
118-74-1	Hexachlorobenzene	78.42	
1912-24-9	Atrazine	124.7	
87-86-5	Pentachlorophenol	74.62	
85-01-8	Phenanthrene	93.89	
120-12-7	Anthracene	93.32	
86-74-8	Carbazole	90.58	
84-74-2	Di-n-butylphthalate	89.17	
206-44-0	Fluoranthene	91.46	
129-00-0	Pyrene	95.54	
85-68-7	Butylbenzylphthalate	88.33	
117-81-7	bis(2-Ethylhexyl)phthalate	87.54	
91-94-1	3,3'-Dichlorobenzidine	133.9	
56-55-3	Benzo(a)anthracene	100.7	
218-01-9	Chrysene	94.08	
117-84-0	Di-n-octylphthalate	84.17	
205-99-2	Benzo(b)fluoranthene	94.20	
207-08-9	Benzo(k)fluoranthene	83.35	
50-32-8	Benzo(a)pyrene	91.60	
53-70-3	Dibenz(a,h)anthracene	99.93	
193-39-5	Indeno(1,2,3-cd)pyrene	101.5	
191-24-2	Benzo(g,h,i)perylene	98.40	
367-12-4	2-Fluorophenol (S)	72.76	
13127-88-3	Phenol-d6 (S)	55.61	
4165-60-0	Nitrobenzene-d5 (S)	88.75	
321-60-8	2-Fluorobiphenyl (S)	89.30	
	2,4,6-Tribromophenol (S)	81.36	
98904-43-9	Terphenyl-d14 (S)	82.22	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\286987d.D
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: Nitrobenzene
CAS Number: 98-95-3







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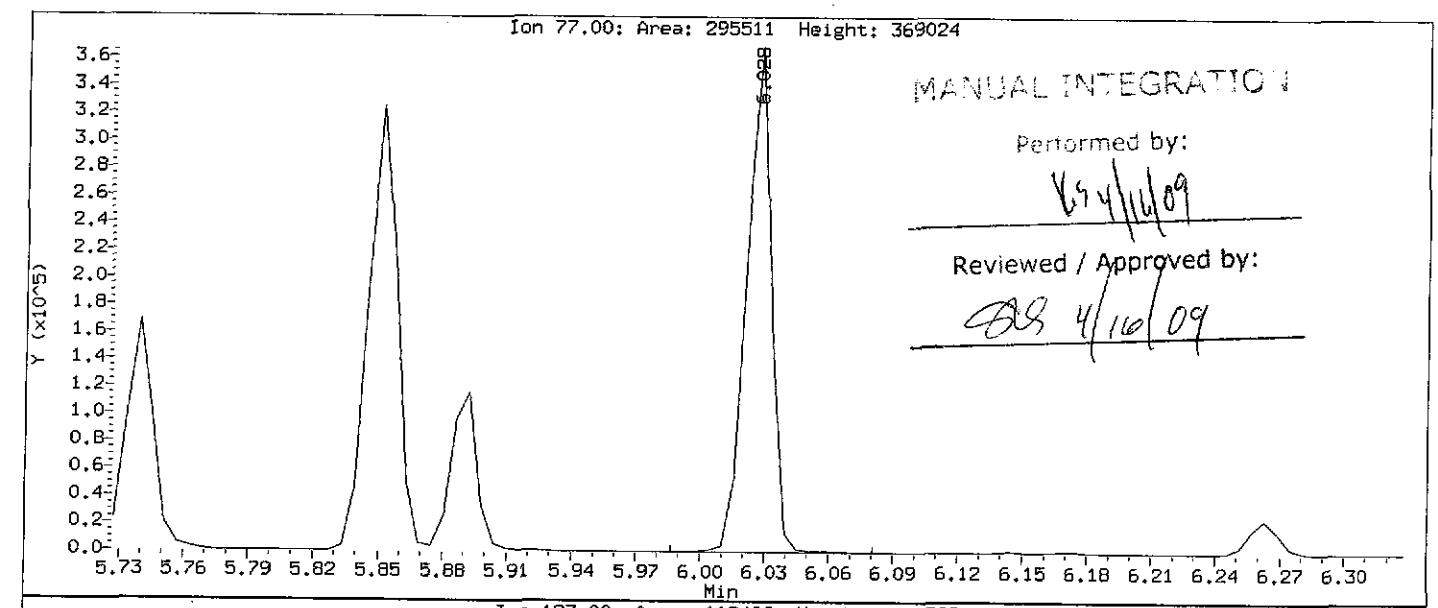
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: Nitrobenzene
CAS Number: 98-95-3



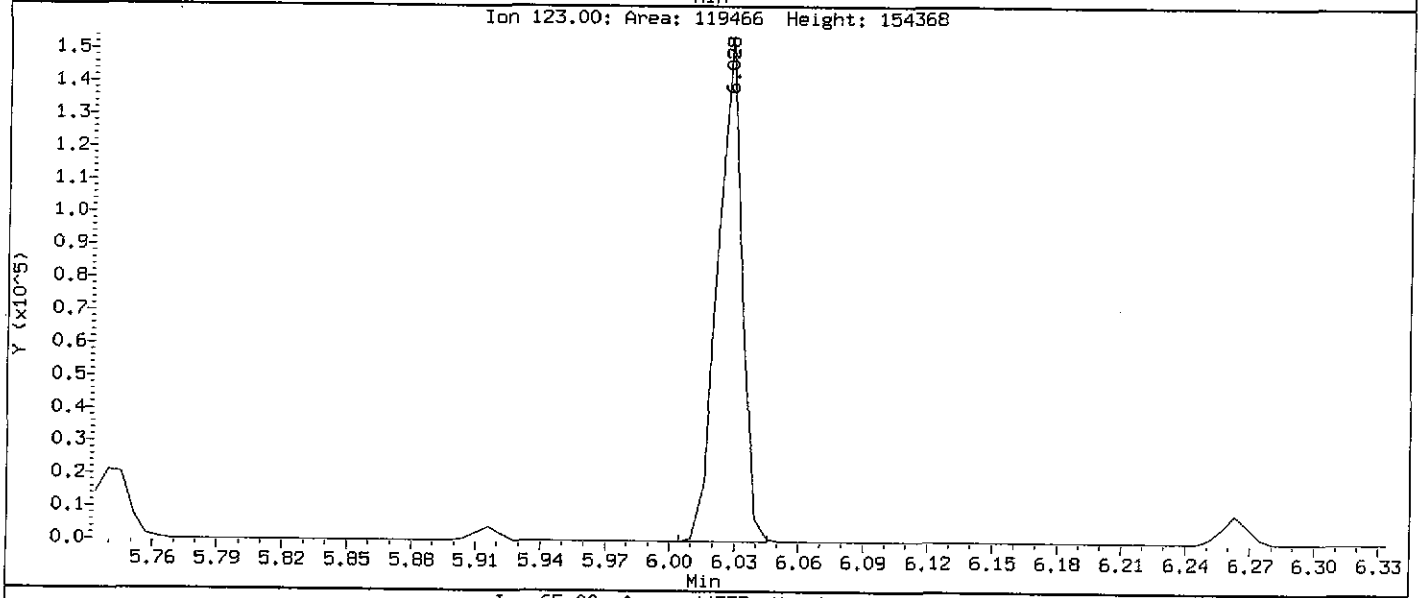
MANUAL INTEGRATION

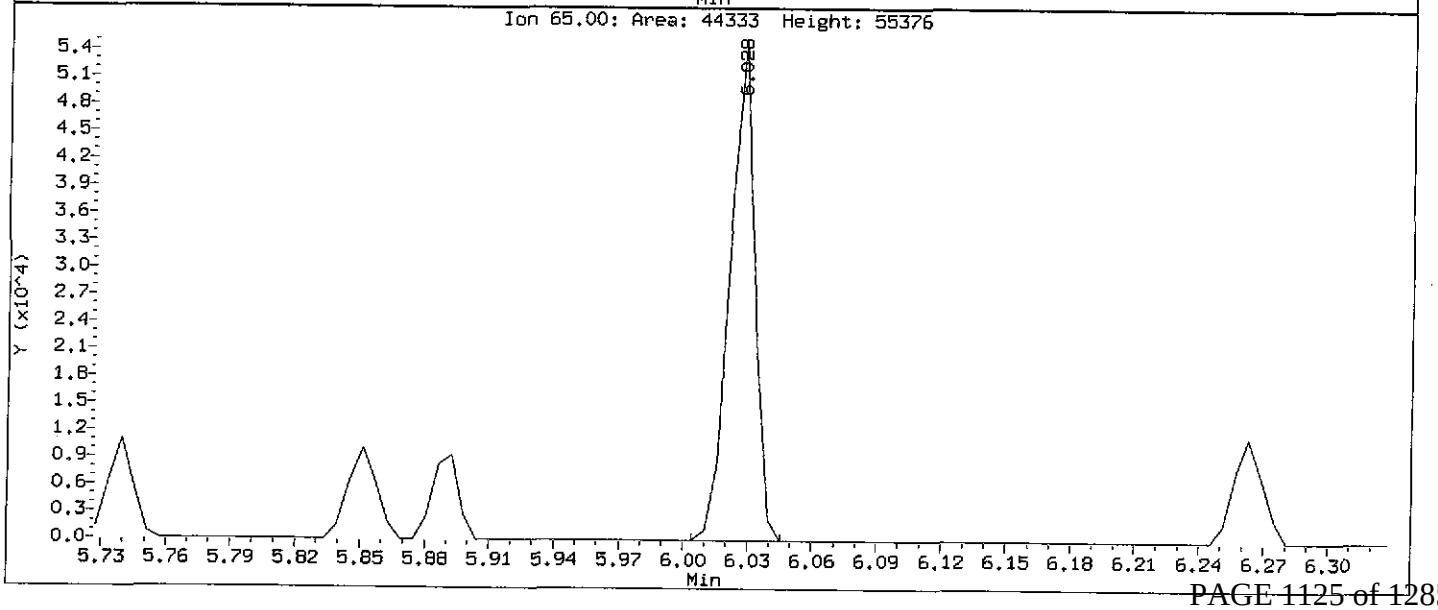
Performed by:

KS 4/16/09

Reviewed / Approved by:

SS 4/16/09





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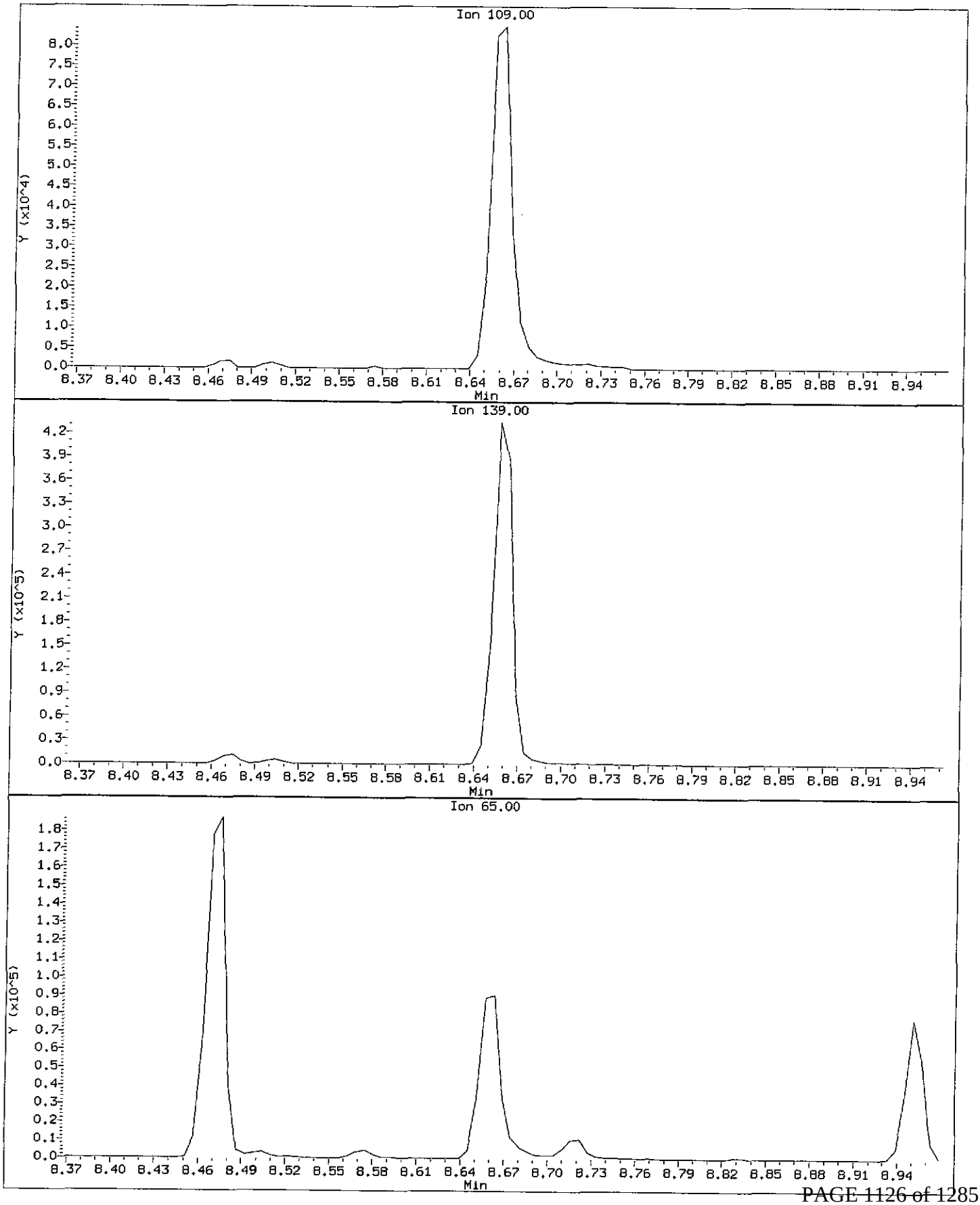
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: 4-Nitrophenol
CAS Number: 100-02-7



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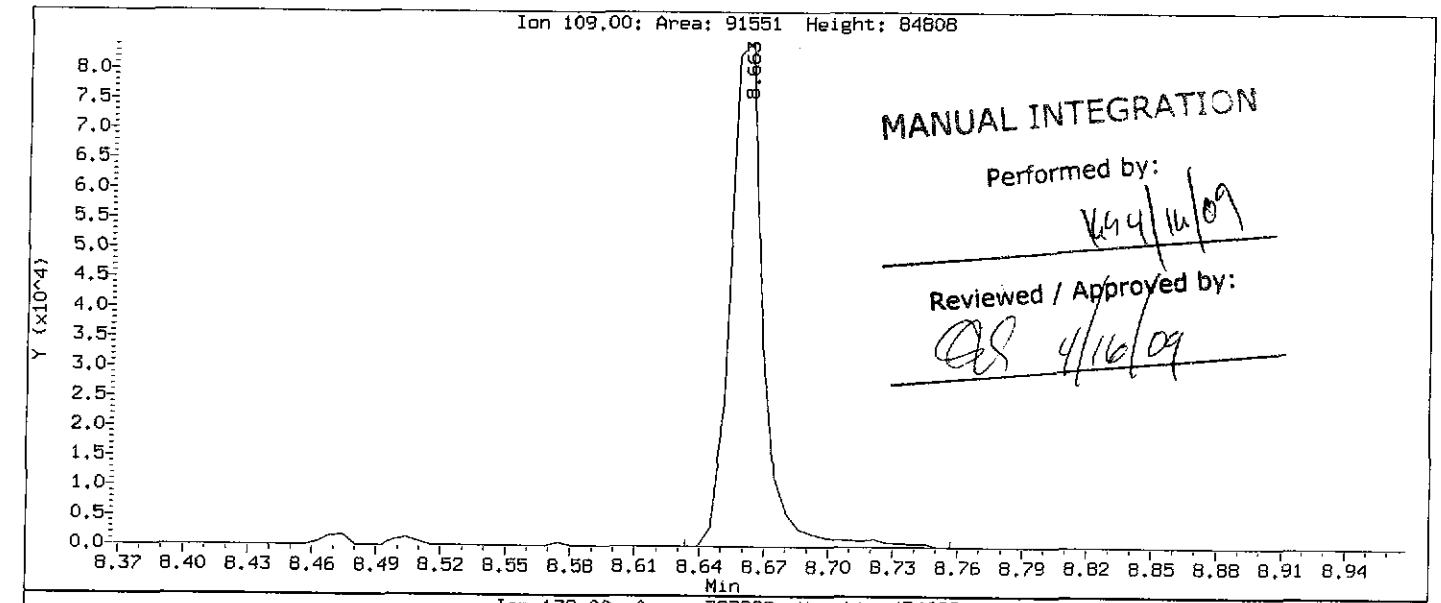
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

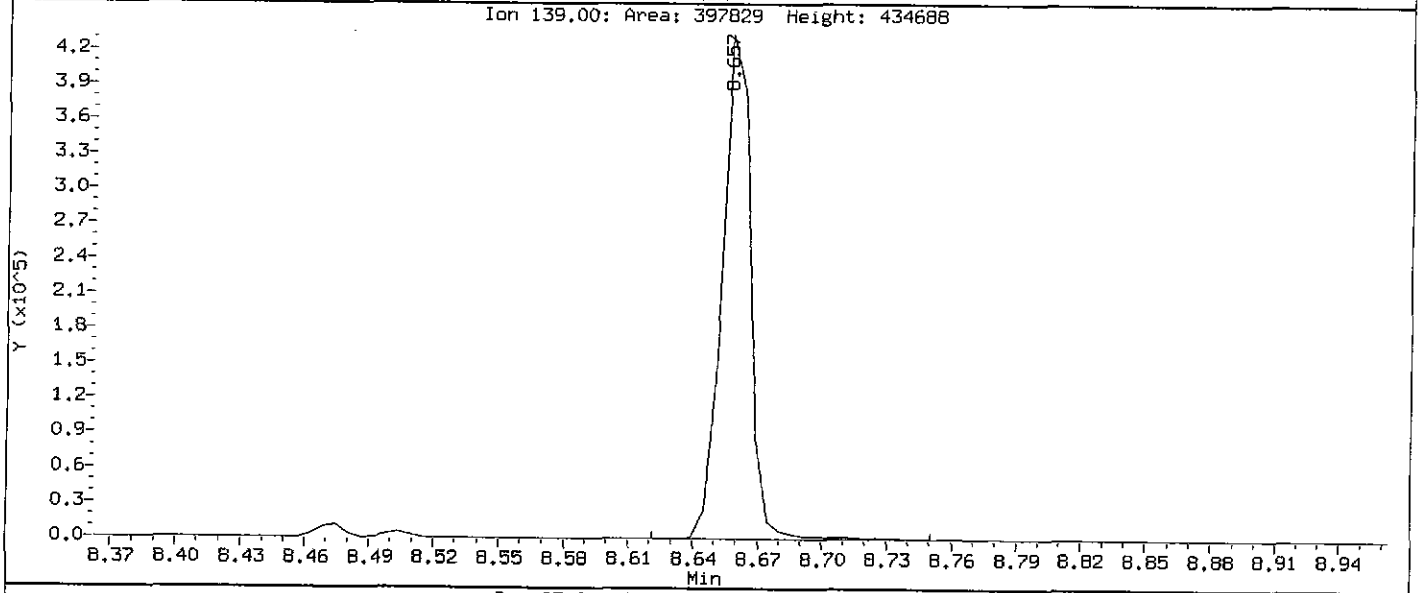
Compound: 4-Nitrophenol
CAS Number: 100-02-7

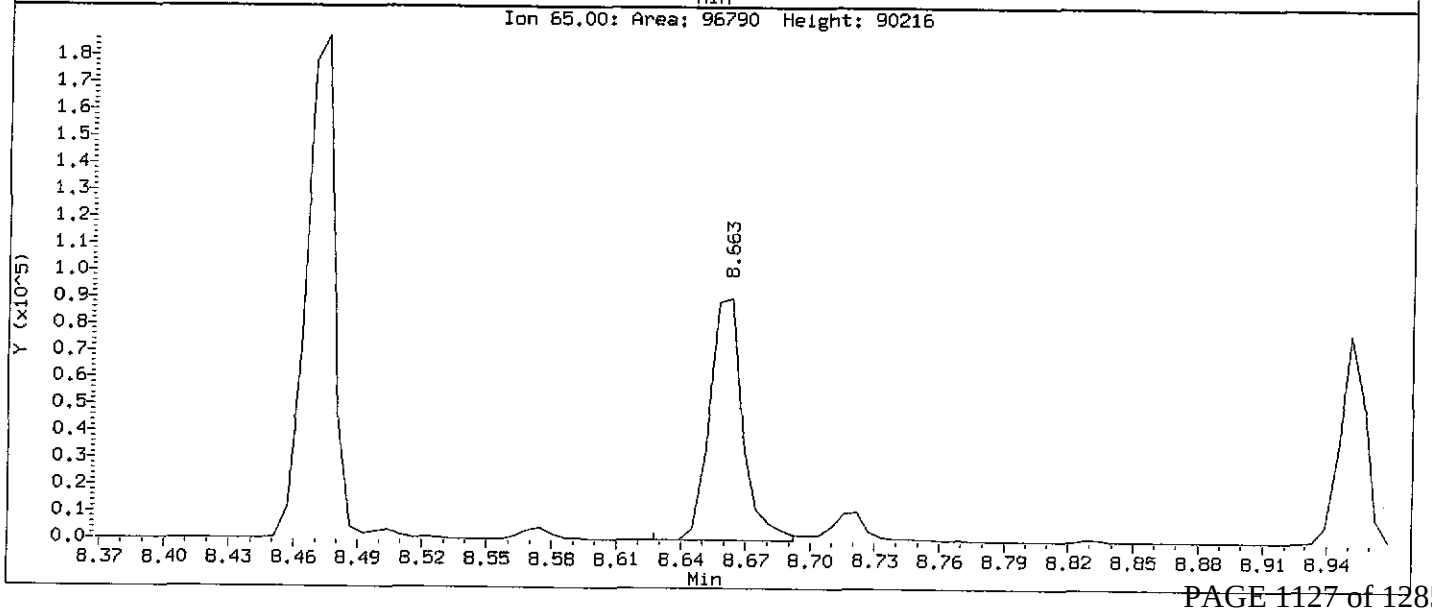


MANUAL INTEGRATION

Performed by: KH 4/16/09

Reviewed / Approved by: CS 4/16/09





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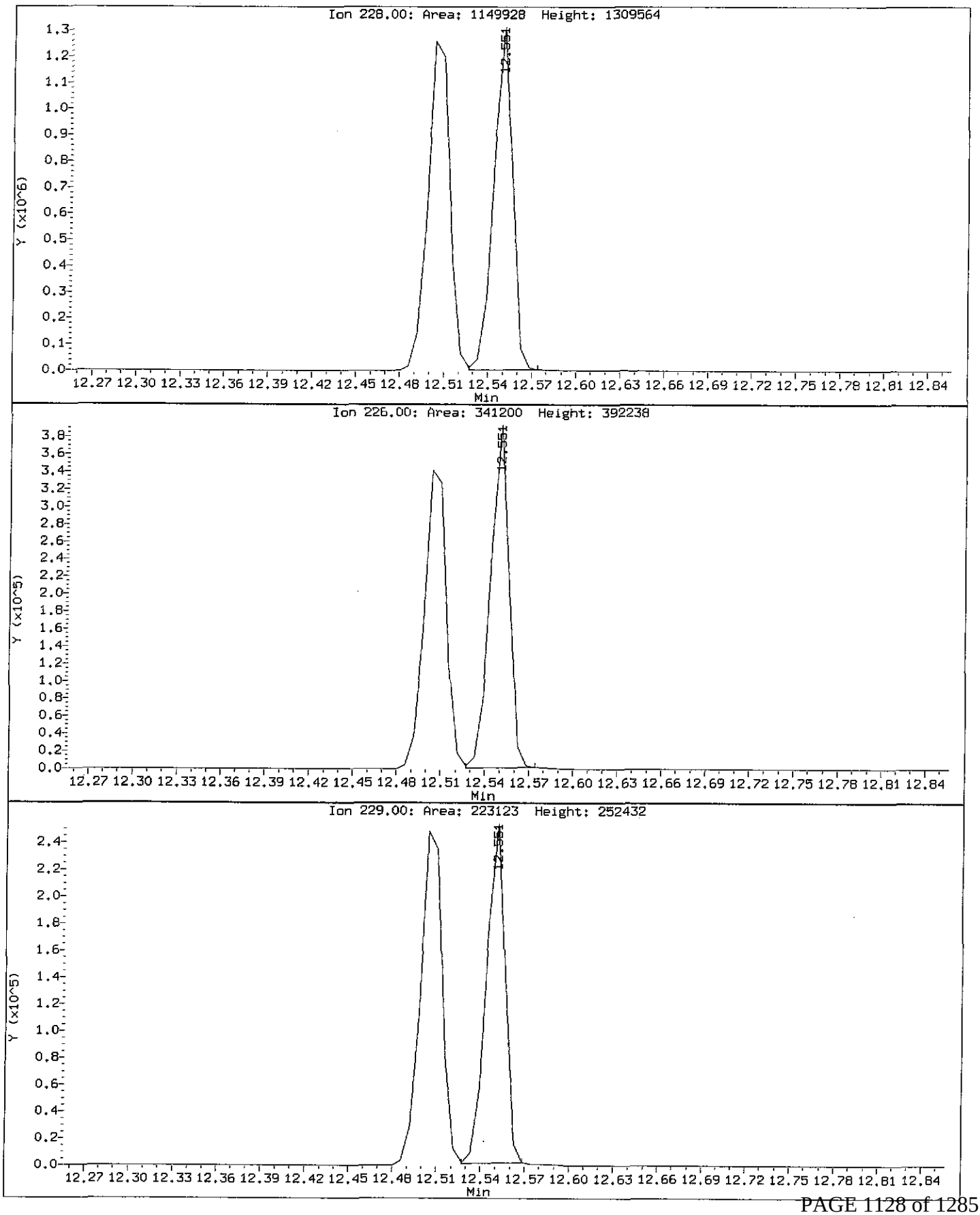
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: Chrysene
CAS Number: 218-01-9



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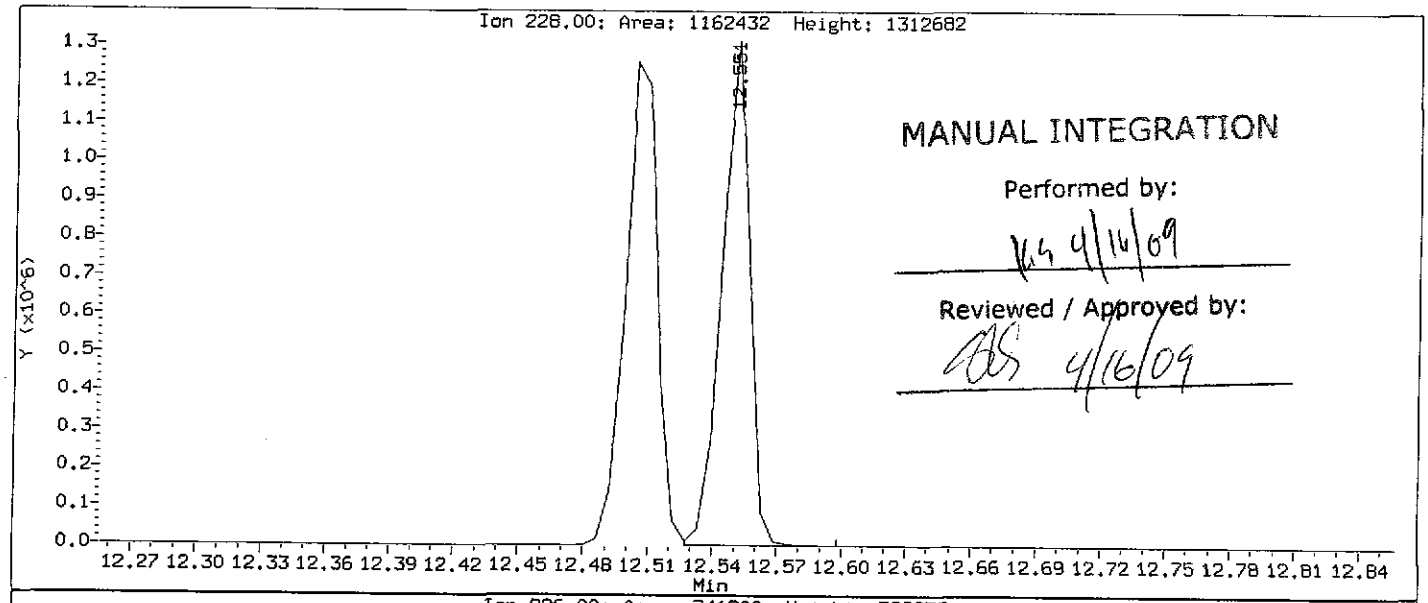
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: Chrysene
CAS Number: 218-01-9



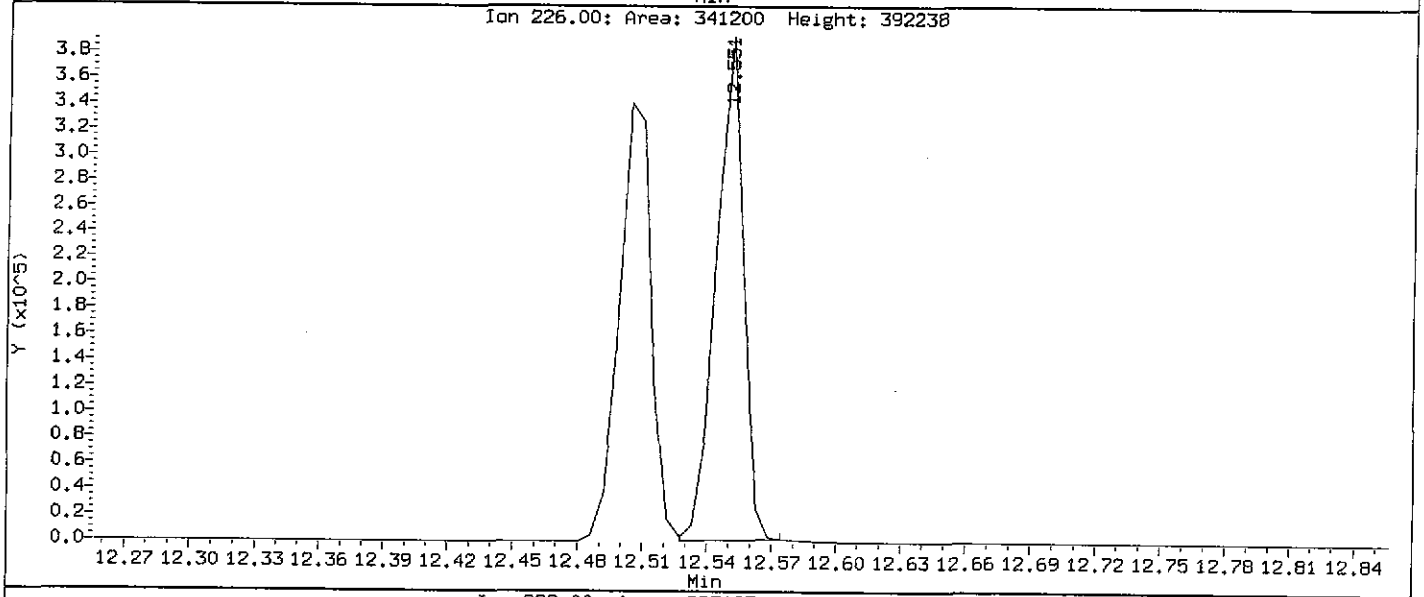
MANUAL INTEGRATION

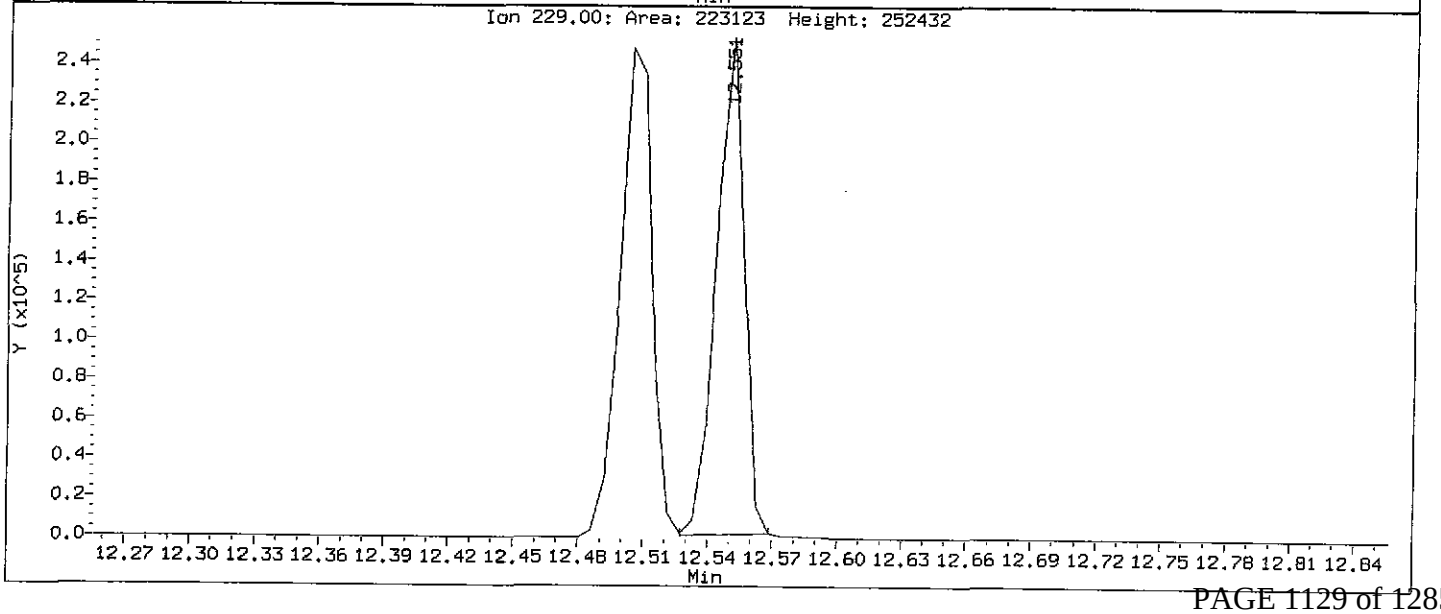
Performed by:

KG 4/16/09

Reviewed / Approved by:

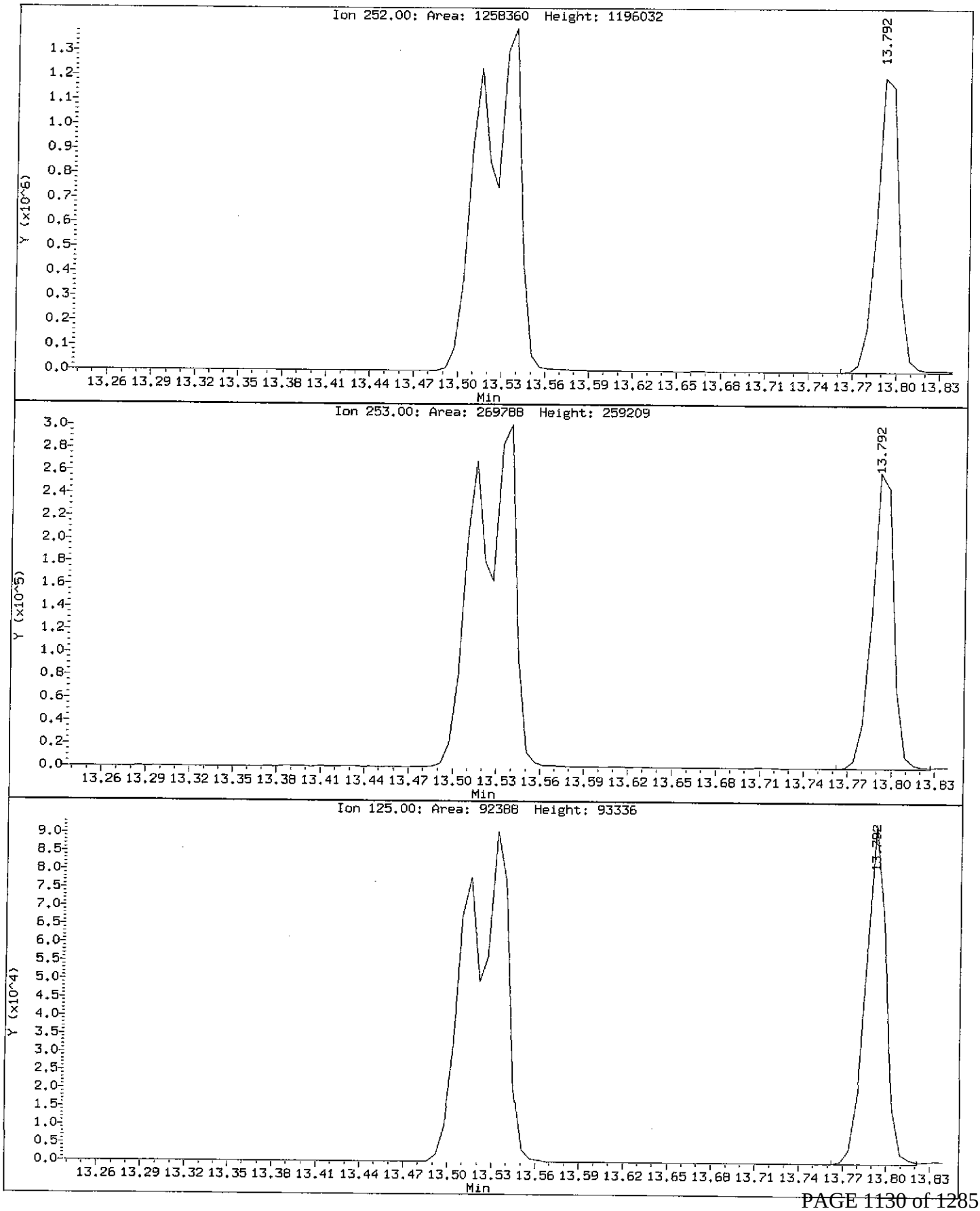
CAS 4/16/09





Data File: \\50wintarget\chem\50MSS2.i\041609.b\286987d.D
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



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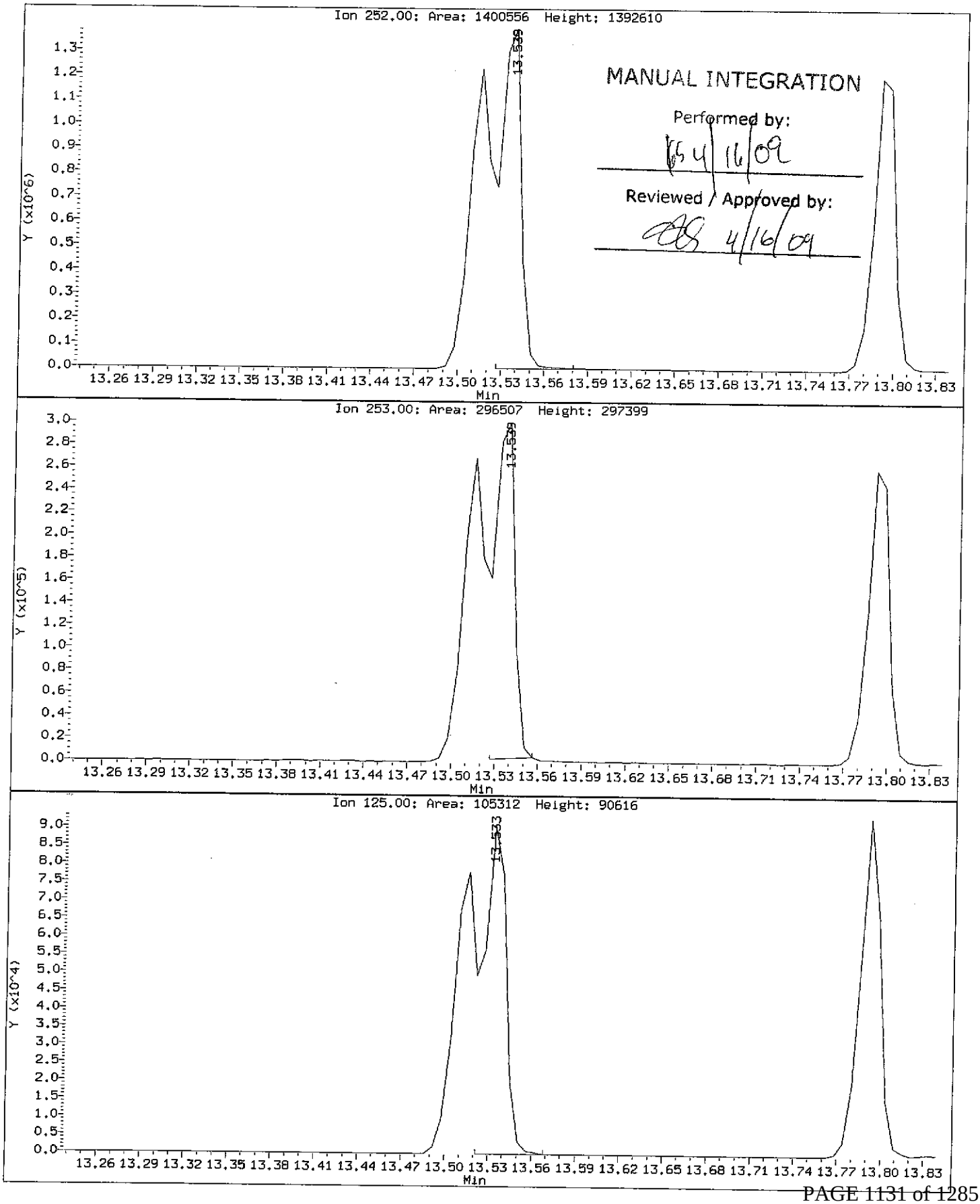
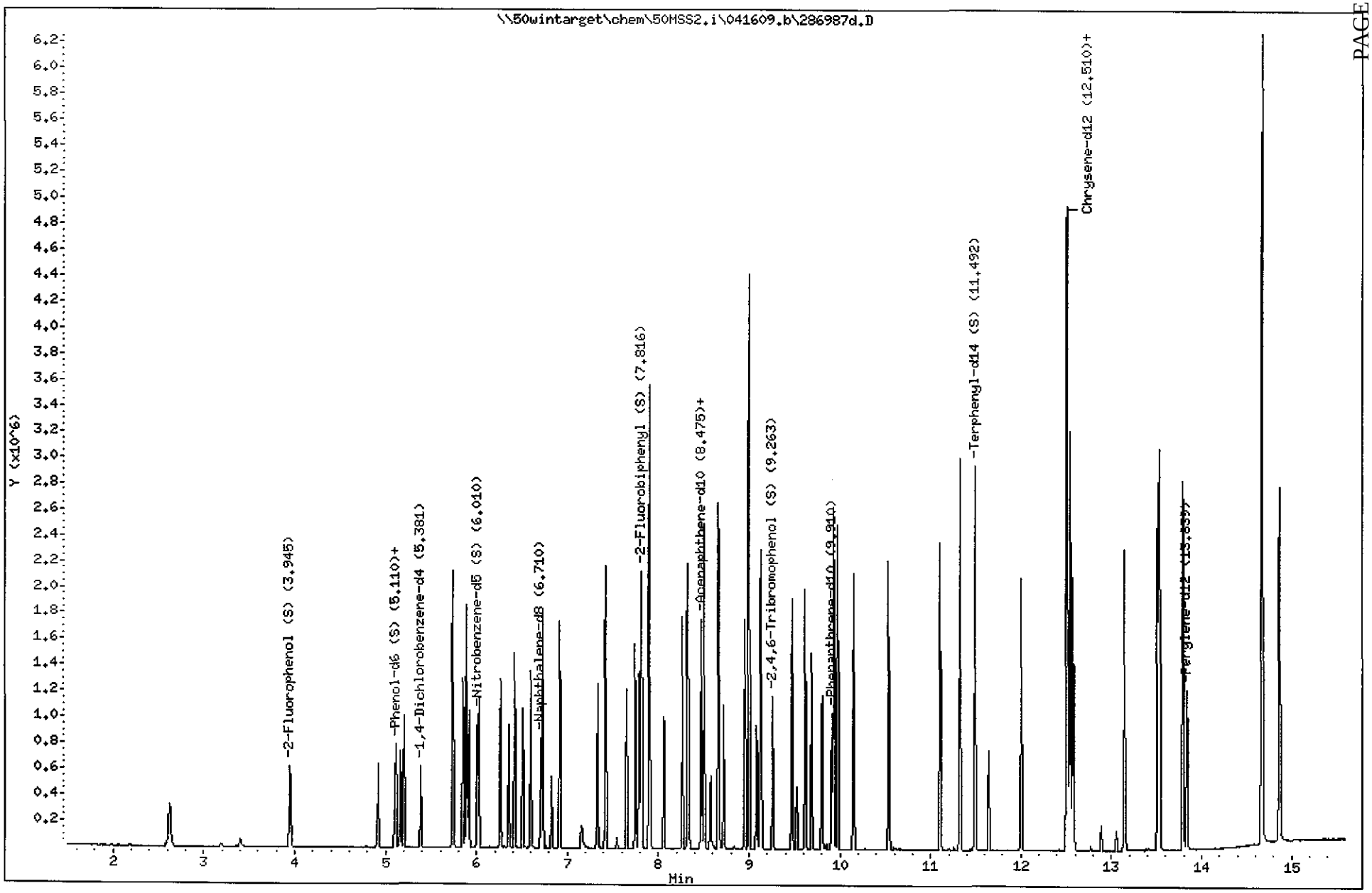
Injection Date: 16-APR-2009 12:51
Instrument: 50MSS2.i
Client Sample ID: 286987

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



Data File: \\50wintarget\chem\50MSS2.i\041609.b\286987d.D
Date : 16-APR-2009 12:51
Client ID: 286987
Sample Info: 286987
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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SVOA 8270C
GC/MS Semi-volatiles

Section 5: Method Blank Data

** Method Blanks*

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\286984b.D
Lab Smp Id: 286984 Client Smp ID: 286984
Inj Date : 16-APR-2009 11:51
Operator : KES Inst ID: 50MSS2.i
Smp Info : 286984
Misc Info : ,1,,3,BLANK
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 18 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	174068	59.2000	59.20
$ 5 Phenol-d6 (S)	99	5.098	5.110	(0.946)	135552	36.6548	36.65
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	102670	40.0000	(Q)
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.010	(0.895)	354584	92.3907	92.39
* 30 Naphthalene-d8	136	6.710	6.710	(1.000)	362716	40.0000	
$ 40 2-Fluorobiphenyl (S)	172	7.810	7.815	(0.922)	709327	95.2894	95.29(R)
* 47 Acenaphthene-d10	164	8.468	8.474	(1.000)	206463	40.0000	
$ 61 2,4,6-Tribromophenol (S)	330	9.256	9.262	(0.934)	143000	80.6771	80.68
* 66 Phenanthrene-d10	188	9.909	9.915	(1.000)	368540	40.0000	
$ 74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	903969	86.6763	86.68
* 78 Chrysene-d12	240	12.521	12.527	(1.000)	459096	40.0000	
* 85 Perylene-d12	264	13.839	13.844	(1.000)	450277	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 286984b.D
Lab Smp Id: 286984
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,BLANK

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 286984
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	102670	-22.25
30 Naphthalene-d8	476075	238038	952150	362716	-23.81
47 Acenaphthene-d10	281638	140819	563276	206463	-26.69
66 Phenanthrene-d10	486545	243273	973090	368540	-24.25
78 Chrysene-d12	638470	319235	1276940	459096	-28.09
85 Perylene-d12	587604	293802	1175208	450277	-23.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

RECOVERY REPORT

Client Name:
Client SDG: 041609.b
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: 286984
Client Smp ID: 286984
Level: LOW
Operator: KES
Data Type: MS DATA
SampleType: BLANK
SpikeList File: MS-S.spk
Quant Type: ISTD
Sublist File: TCL.sub
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,BLANK

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	59.20	59.20	25-78
$ 5 Phenol-d6 (S)	100.0	36.65	36.65	13-80
$ 21 Nitrobenzene-d5 (S	100.0	92.39	92.39	38-129
$ 40 2-Fluorobiphenyl (	100.0	95.29	95.29*	25-78
$ 61 2,4,6-Tribromophen	100.0	80.68	80.68	35-130
$ 74 Terphenyl-d14 (S)	100.0	86.68	86.68	10-116

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TARGET COMPOUNDS

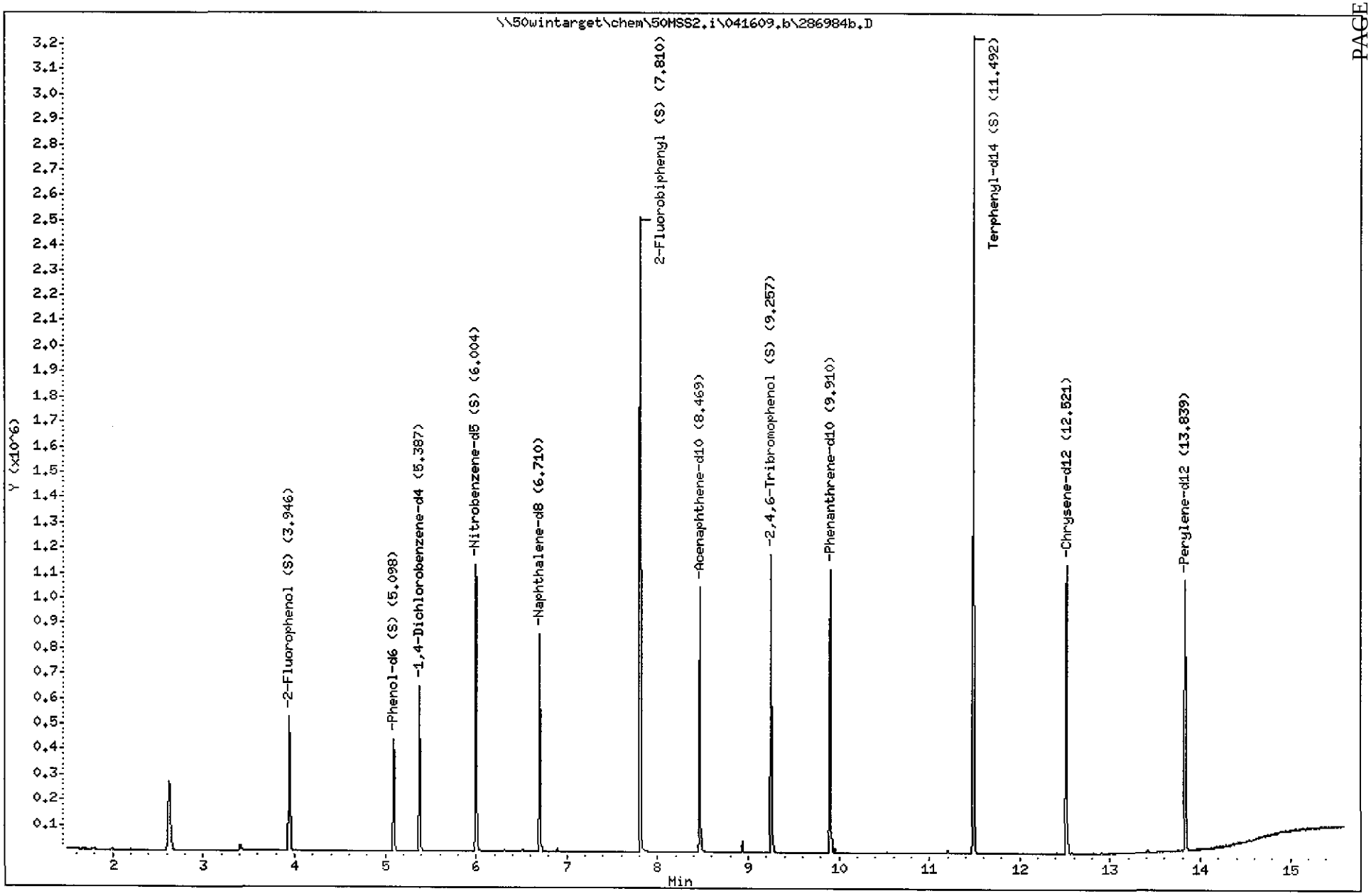
Client Name:
Lab Smp Id: 286984
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,BLANK

Client SDG: 041609.b
Client Smp ID: 286984
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
367-12-4	2-Fluorophenol (S)	59.20	
13127-88-3	Phenol-d6 (S)	36.65	
4165-60-0	Nitrobenzene-d5 (S)	92.39	
321-60-8	2-Fluorobiphenyl (S)	95.29	
	2,4,6-Tribromophenol (S)	80.68	
98904-43-9	Terphenyl-d14 (S)	86.68	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\286984b.D
Date : 16-APR-2009 11:51
Client ID: 286984
Sample Info: 286984
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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Section 6: Client Sample Data

**** Client Sample Raw Data***
**** Dilutions or Reruns of Client Samples***
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\5025166034.D
Lab Smp Id: 5025166034 Client Smp ID: 034
Inj Date : 16-APR-2009 13:11
Operator : KES Inst ID: 50MSS2.i
Smp Info : 5025166034
Misc Info : ,1
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.733)	153083	54.5663	54.57
$ 5 Phenol-d6 (S)	99	5.098	5.110	(0.948)	119283	33.8063	33.81
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.386	(1.000)	97960	40.0000	(Q)
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.010	(0.895)	320093	91.4191	91.42
* 30 Naphthalene-d8	136	6.709	6.710	(1.000)	330914	40.0000	
$ 40 2-Fluorobiphenyl (S)	172	7.809	7.815	(0.922)	625644	91.6533	91.65(R)
* 47 Acenaphthene-d10	164	8.468	8.474	(1.000)	189330	40.0000	
$ 61 2,4,6-Tribromophenol (S)	330	9.256	9.262	(0.934)	123617	76.6161	76.62
* 66 Phenanthrene-d10	188	9.909	9.915	(1.000)	336978	40.0000	
$ 74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	792965	83.2593	83.26
* 78 Chrysene-d12	240	12.521	12.527	(1.000)	428075	40.0000	
* 85 Perylene-d12	264	13.838	13.844	(1.000)	426104	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5025166034.D
Lab Smp Id: 5025166034
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 034
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	97960	-25.81
30 Naphthalene-d8	476075	238038	952150	330914	-30.49
47 Acenaphthene-d10	281638	140819	563276	189330	-32.78
66 Phenanthrene-d10	486545	243273	973090	336978	-30.74
78 Chrysene-d12	638470	319235	1276940	428075	-32.95
85 Perylene-d12	587604	293802	1175208	426104	-27.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.38	-0.11
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166034
Level: LOW
Data Type: MS DATA
SpikeList File: MS-S.spk
Sublist File: TCL.sub
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Client SDG: 041609.b
Fraction: SV
Client Smp ID: 034
Operator: KES
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	54.57	54.57	25-78
$ 5 Phenol-d6 (S)	100.0	33.81	33.81	13-80
$ 21 Nitrobenzene-d5 (S	100.0	91.42	91.42	38-129
$ 40 2-Fluorobiphenyl (	100.0	91.65	91.65*	25-78
$ 61 2,4,6-Tribromophen	100.0	76.62	76.62	35-130
$ 74 Terphenyl-d14 (S)	100.0	83.26	83.26	10-116

Pace Analytical Services

TARGET COMPOUNDS

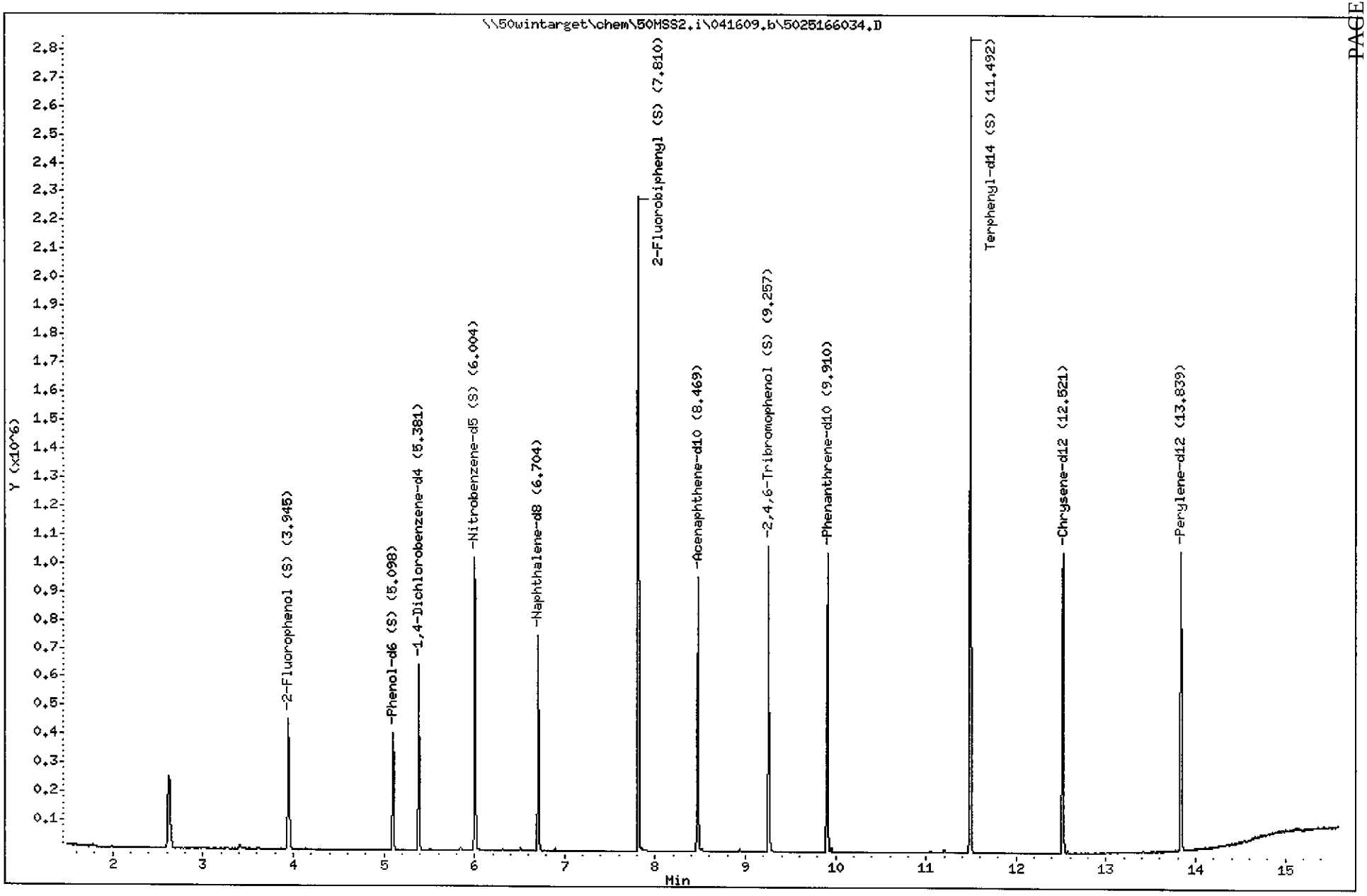
Client Name:
Lab Smp Id: 5025166034
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1

Client SDG: 041609.b
Client Smp ID: 034
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
367-12-4	2-Fluorophenol (S)	54.57	
13127-88-3	Phenol-d6 (S)	33.81	
4165-60-0	Nitrobenzene-d5 (S)	91.42	
321-60-8	2-Fluorobiphenyl (S)	91.65	
	2,4,6-Tribromophenol (S)	76.62	
98904-43-9	Terphenyl-d14 (S)	83.26	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\5025166034.D
Date : 16-APR-2009 13:11
Client ID: 034
Sample Info: 5025166034
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\5025166035.D
Lab Smp Id: 5025166035 Client Smp ID: 035
Inj Date : 16-APR-2009 13:32
Operator : KES Inst ID: 50MSS2.i
Smp Info : 5025166035
Misc Info : ,1
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	150037	55.0952	55.10
$ 5 Phenol-d6 (S)	99	5.098	5.110	(0.946)	115603	33.7526	33.75
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	95089	40.0000	(Q)
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.010	(0.895)	304678	90.2871	90.29
* 30 Naphthalene-d8	136	6.709	6.710	(1.000)	318927	40.0000	
$ 40 2-Fluorobiphenyl (S)	172	7.809	7.815	(0.922)	597721	86.8440	86.84(R)
* 47 Acenaphthene-d10	164	8.468	8.474	(1.000)	190897	40.0000	
$ 61 2,4,6-Tribromophenol (S)	330	9.256	9.262	(0.934)	129304	79.3903	79.39
* 66 Phenanthrene-d10	188	9.909	9.915	(1.000)	339107	40.0000	
$ 74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	791942	82.6494	82.65
* 78 Chrysene-d12	240	12.521	12.527	(1.000)	463119	40.0000	
* 85 Perylene-d12	264	13.838	13.844	(1.000)	472358	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5025166035.D
Lab Smp Id: 5025166035
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 035
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	95089	-27.99
30 Naphthalene-d8	476075	238038	952150	318927	-33.01
47 Acenaphthene-d10	281638	140819	563276	190897	-32.22
66 Phenanthrene-d10	486545	243273	973090	339107	-30.30
78 Chrysene-d12	638470	319235	1276940	463119	-27.46
85 Perylene-d12	587604	293802	1175208	472358	-19.61

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

RECOVERY REPORT

Client Name:
Client SDG: 041609.b
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: 5025166035
Client Smp ID: 035
Level: LOW
Operator: KES
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: MS-S.spk
Quant Type: ISTD
Sublist File: TCL.sub
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	55.10	55.10	25-78
$ 5 Phenol-d6 (S)	100.0	33.75	33.75	13-80
$ 21 Nitrobenzene-d5 (S	100.0	90.29	90.29	38-129
$ 40 2-Fluorobiphenyl (	100.0	86.84	86.84*	25-78
$ 61 2,4,6-Tribromophen	100.0	79.39	79.39	35-130
$ 74 Terphenyl-d14 (S)	100.0	82.65	82.65	10-116

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025166035
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1

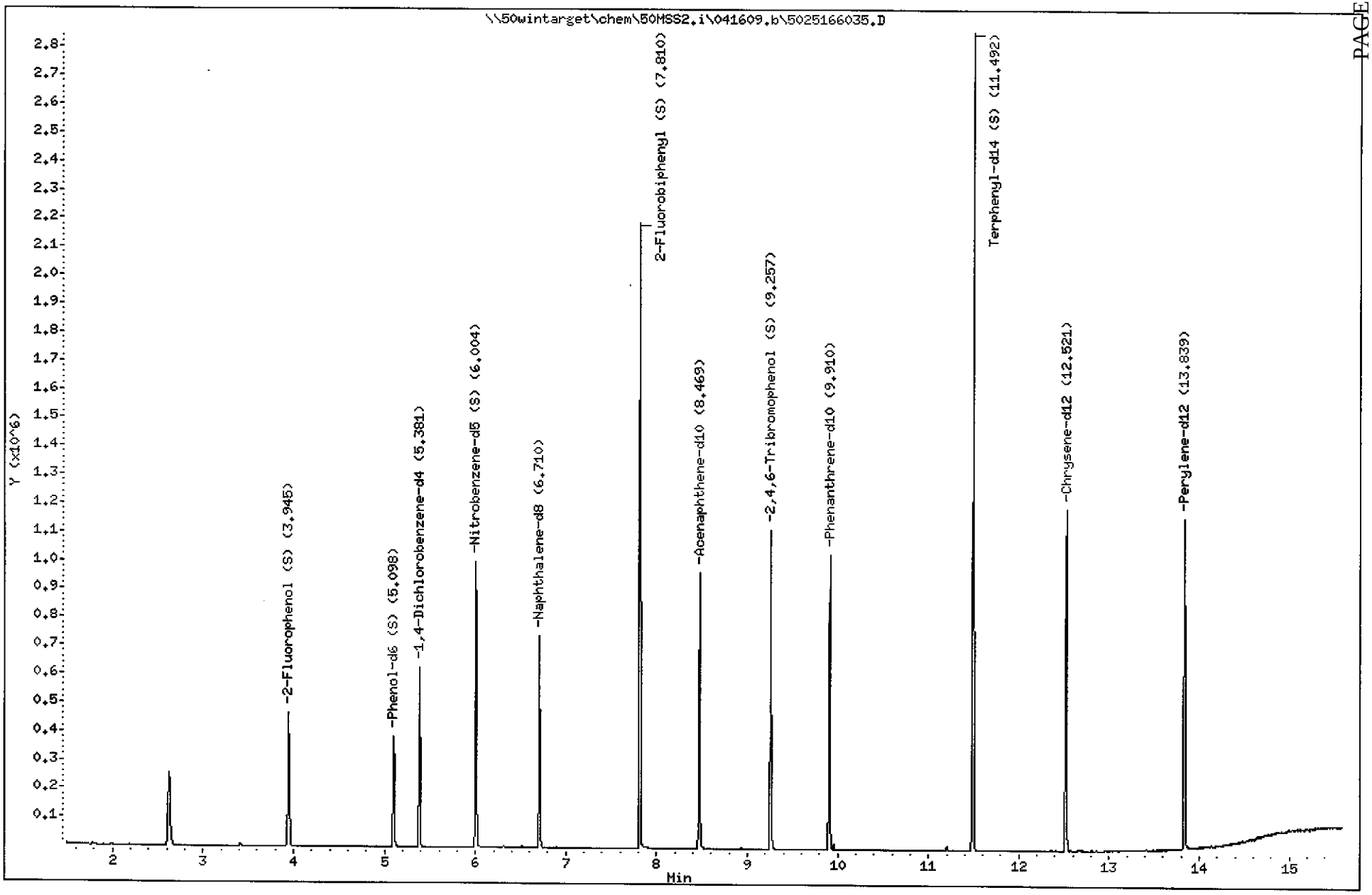
Client SDG: 041609.b
Client Smp ID: 035
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
367-12-4	2-Fluorophenol (S)	55.10	
13127-88-3	Phenol-d6 (S)	33.75	
4165-60-0	Nitrobenzene-d5 (S)	90.29	
321-60-8	2-Fluorobiphenyl (S)	86.84	
	2,4,6-Tribromophenol (S)	79.39	
98904-43-9	Terphenyl-d14 (S)	82.65	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\5025166035.D
Date : 16-APR-2009 13:32
Client ID: 035
Sample Info: 5025166035
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i

Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\5025166036.D
Lab Smp Id: 5025166036 Client Smp ID: 036
Inj Date : 16-APR-2009 13:52
Operator : KES Inst ID: 50MSS2.i
Smp Info : 5025166036
Misc Info : ,1
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	141385	54.9093	54.91
$ 5 Phenol-d6 (S)	99	5.098	5.110	(0.946)	110032	33.9769	33.98
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	89909	40.0000	(Q)
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.010	(0.895)	274578	82.8147	82.81
* 30 Naphthalene-d8	136	6.709	6.710	(1.000)	313353	40.0000	
$ 40 2-Fluorobiphenyl (S)	172	7.809	7.815	(0.922)	535976	78.1587	78.16(R)
* 47 Acenaphthene-d10	164	8.468	8.474	(1.000)	190199	40.0000	
$ 61 2,4,6-Tribromophenol (S)	330	9.256	9.262	(0.934)	118247	70.7288	70.73
* 66 Phenanthrene-d10	188	9.909	9.915	(1.000)	351780	40.0000	
$ 74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	779368	78.5397	78.54
* 78 Chrysene-d12	240	12.521	12.527	(1.000)	476982	40.0000	
* 85 Perylene-d12	264	13.838	13.844	(1.000)	485450	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5025166036.D
Lab Smp Id: 5025166036
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 036
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	89909	-31.91
30 Naphthalene-d8	476075	238038	952150	313353	-34.18
47 Acenaphthene-d10	281638	140819	563276	190199	-32.47
66 Phenanthrene-d10	486545	243273	973090	351780	-27.70
78 Chrysene-d12	638470	319235	1276940	476982	-25.29
85 Perylene-d12	587604	293802	1175208	485450	-17.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025166036
Level: LOW
Data Type: MS DATA
SpikeList File: MS-S.spk
Sublist File: TCL.sub
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Client SDG: 041609.b
Fraction: SV
Client Smp ID: 036
Operator: KES
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	54.91	54.91	25-78
$ 5 Phenol-d6 (S)	100.0	33.98	33.98	13-80
$ 21 Nitrobenzene-d5 (S	100.0	82.81	82.81	38-129
$ 40 2-Fluorobiphenyl (	100.0	78.16	78.16*	25-78
$ 61 2,4,6-Tribromophen	100.0	70.73	70.73	35-130
$ 74 Terphenyl-d14 (S)	100.0	78.54	78.54	10-116

Pace Analytical Services

TARGET COMPOUNDS

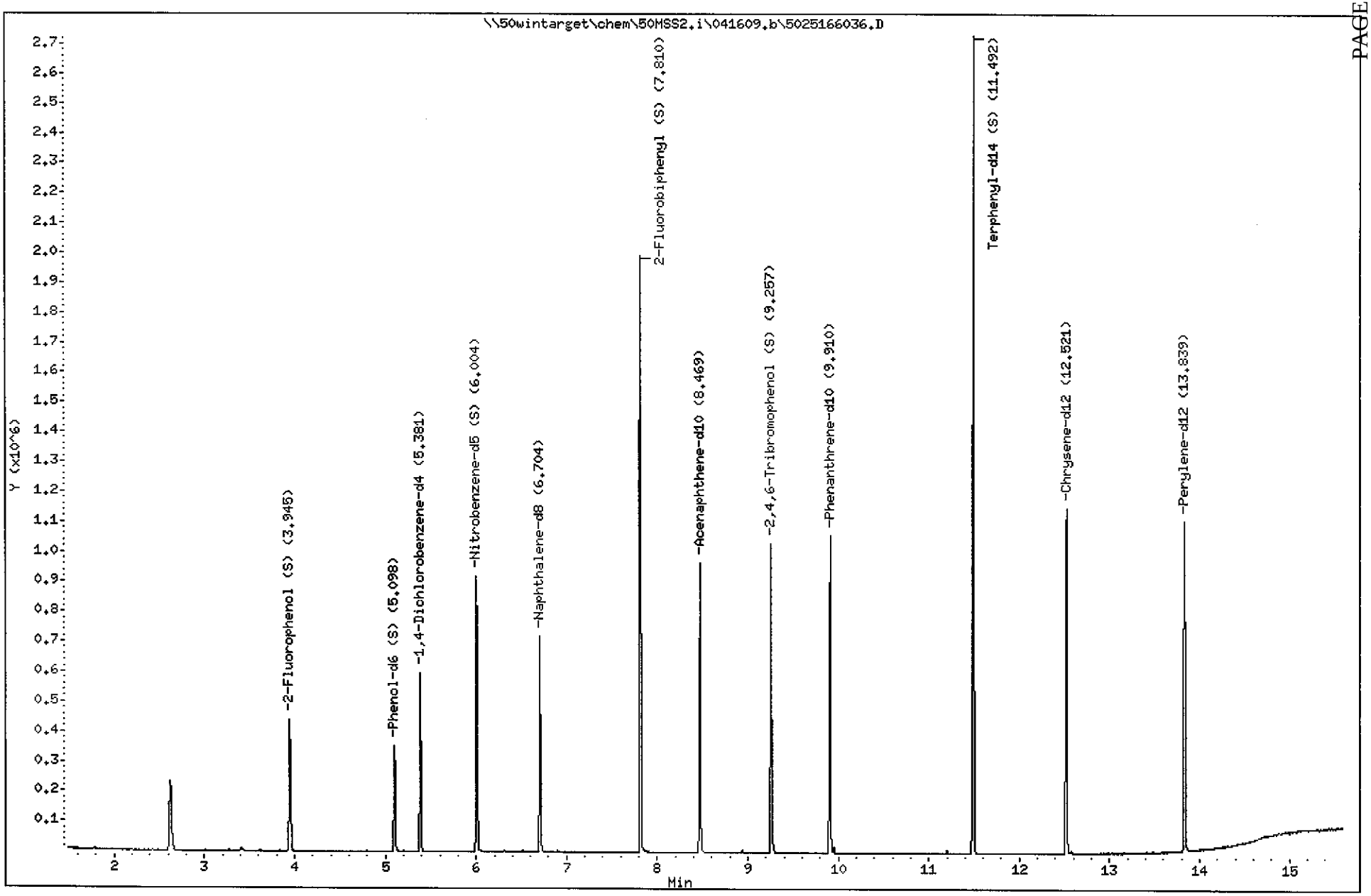
Client Name:
Lab Smp Id: 5025166036
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1

Client SDG: 041609.b
Client Smp ID: 036
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
367-12-4	2-Fluorophenol (S)	54.91	
13127-88-3	Phenol-d6 (S)	33.98	
4165-60-0	Nitrobenzene-d5 (S)	82.81	
321-60-8	2-Fluorobiphenyl (S)	78.16	
	2,4,6-Tribromophenol (S)	70.73	
98904-43-9	Terphenyl-d14 (S)	78.54	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\5025166036.D
Date : 16-APR-2009 13:52
Client ID: 036
Sample Info: 5025166036
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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www.pacelabs.com

ICP Metals 6010B

Project Number 5025166

Initials/ Date Compiled SS 5-1-09

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

Pace Analytical Services

Cover Page - Inorganic Analysis Data Package

Client ID	Lab Sample ID:
EB-1(041009)-MAH	5025166019
EB-2(041009)-MAH	5025166020
FD-1(041009)-MAH	5025166021
FD-2(041009)-MAH	5025166022
MW-0408-S2(041009)	5025166015
MW-0408-S2(041009)MS	286088
MW-0408-S2(041009)MSD	286089
MW-0620-S1(041009)	5025166014
MW-0620-S1(041009)MS	286086
MW-0620-S1(041009)MSD	286087

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data combined in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Daniel D. Mark Name: Daniel D. Mark

Date: 5-1-09 Title: Inorganic Manager

Version 4.10.3 *Cover Page Equivalent*

Pace Analytical Services

Metals Data Reporting Form

Instrument Runlog

Instrument: ICP **Chart Number:** P20413A.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
blank		4/13/2009	6:59
ag 2		4/13/2009	7:05
mixstd 3		4/13/2009	7:10
mixstd 5		4/13/2009	7:15
mixstd 2		4/13/2009	7:20
mixstd 1		4/13/2009	7:24
mixstd 4		4/13/2009	7:30
icvccv		4/13/2009	7:35
icbccb		4/13/2009	7:40
crdl		4/13/2009	7:46
icsa		4/13/2009	7:52
blank		4/13/2009	8:01
icvccv		4/13/2009	8:07
icbccb		4/13/2009	8:12
crdl		4/13/2009	8:18
icsa		4/13/2009	8:24

Pace Analytical Services

Metals Data Reporting Form

Instrument Runlog

Instrument: ICP **Chart Number:** P20413B.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
icvccv		4/13/2009	9:26
icbccb		4/13/2009	9:31
ZZZZZZ		4/13/2009	9:37
ZZZZZZ		4/13/2009	9:43
ZZZZZZ		4/13/2009	9:48
ZZZZZZ		4/13/2009	9:54
ZZZZZZ		4/13/2009	10:00
ZZZZZZ		4/13/2009	10:05
ZZZZZZ		4/13/2009	10:11
ZZZZZZ		4/13/2009	10:17
286084		4/13/2009	10:22
286085		4/13/2009	10:28
icvccv		4/13/2009	10:34
icbccb		4/13/2009	10:39
crdl		4/13/2009	10:46
mixstd 3		4/13/2009	10:53
icvccv		4/13/2009	10:58
icbccb		4/13/2009	11:04
crdl		4/13/2009	11:10
icsa		4/13/2009	11:15
icvccv		4/13/2009	13:15
icbccb		4/13/2009	13:21
5025166014	MW-0620-S1(041009)	4/13/2009	13:28
286086	MW-0620-S1(041009)MS	4/13/2009	13:33
286087	MW-0620-S1(041009)MSD	4/13/2009	13:39
5025166015	MW-0408-S2(041009)	4/13/2009	13:45
286088	MW-0408-S2(041009)MS	4/13/2009	13:50
286089	MW-0408-S2(041009)MSD	4/13/2009	13:56
5025166019	EB-1(041009)-MAH	4/13/2009	14:02
5025166020	EB-2(041009)-MAH	4/13/2009	14:07
5025166021	FD-1(041009)-MAH	4/13/2009	14:13
5025166022	FD-2(041009)-MAH	4/13/2009	14:19
icvccv		4/13/2009	14:24
icbccb		4/13/2009	14:30
crdl		4/13/2009	14:36

Pace Analytical Services

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICP **Units:** ug/L

Chart Number: P20413A.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** 21143

Element	WL/ Mass	True Conc	icvccv 4/13/2009 7:35 AM		icvccv 4/13/2009 8:07 AM							
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	1000.0	1041.48	**104.1**	1061.40	**106.1**						
Lead	220.353	1000.0	982.03	**98.2**	1003.32	**100.3**						

Pace Analytical Services

Metals Data Reporting Form

Initial Calibration Verification Standard

Instrument: ICP **Units:** ug/L

Chart Number: P20413B.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** 21143

Element	WL/ Mass	True Conc	icvccv 4/13/2009 10:58 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	1000.0	997.10	**99.7**								
Lead	220.353	1000.0	1025.92	**102.6**								

Pace Analytical Services

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICP **Units:** ug/L

Chart Number: P20413A.ARC

Standard Source: N/A **Standard ID:**

Element	WL/ Mass	Report Limit	icbccb 4/13/2009 7:40 AM		icbccb 4/13/2009 8:12 AM							
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	2.9	U	2.9	U						
Lead	220.353	10	2.2	U	2.2	U						

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL

Form 3 Equivalent

Pace Analytical Services

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICP **Units:** ug/L

Chart Number: P20413B.ARC

Standard Source: NA **Standard ID:**

Element	WL/ Mass	Report Limit	icbccb 4/13/2009 11:04 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	**2.9**	**U**								
Lead	220.353	10	**2.2**	**U**								

U Result is less than the MDL
B Result is between MDL and PRL

Pace Analytical Services

Metals Data Reporting Form

Continuing Calibration Verification

Instrument: ICP **Units:** ug/L

Chart Number: P20413B.ARC **Acceptable Range:** 90% - 110%

Standard Source: Inorganic Ventures **Standard ID:** 21143

Element	WL/ Mass	True Conc	icvccv 4/13/2009 9:26 AM		icvccv 4/13/2009 10:34 AM		icvccv 4/13/2009 1:15 PM		icvccv 4/13/2009 2:24 PM			
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	1000.0	1060.18	**106.0**	1092.17	**109.2**	1021.73	**102.2**	1015.91	**101.6**		
Lead	220.353	1000.0	998.52	**99.9**	1030.66	**103.1**	1054.16	**105.4**	1045.37	**104.5**		

Pace Analytical Services

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICP **Units:** ug/L

Chart Number: P20413B.ARC

Standard Source: NA **Standard ID:**

Element	WL/ Mass	Report Limit	icbccb 4/13/2009 9:31 AM		icbccb 4/13/2009 10:39 AM		icbccb 4/13/2009 1:21 PM		icbccb 4/13/2009 2:30 PM			
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	2.9	U	2.9	U	2.9	U	2.9	U		
Lead	220.353	10	2.2	U	2.2	U	2.2	B	2.2	U		

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL

Form 3 Equivalent

Pace Analytical Services

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICP **Units:** ug/L

Chart Number: P20413A.ARC **Acceptable Range:** 50% - 150%

Standard Source: ICP CRDL Source **Standard ID:** CRDL

Element	WL/ Mass	True Conc	crdl 4/13/2009 7:46 AM Found	% Rec	crdl 4/13/2009 8:18 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	10.0	8.88	**88.8**	10.09	**100.9**						
Lead	220.353	6.0	6.43	**107.2**	6.13	**102.2**						

Pace Analytical Services

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICP **Units:** ug/L

Chart Number: P20413B.ARC **Acceptable Range:** 50% - 150%

Standard Source: ICP CRDL Source **Standard ID:** CRDL

Element	WL/ Mass	True Conc	crdl 4/13/2009 10:46 AM		crdl 4/13/2009 11:10 AM		crdl 4/13/2009 2:36 PM					
			Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Arsenic	189.042	10.0	9.08	**90.8**	9.61	**96.1**	9.16	**91.6**				
Lead	220.353	6.0	6.94	**115.7**	7.72	**128.7**	7.60	**126.7**				

Pace Analytical Services

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICP **Units:** ug/L

Chart Number: P20413A.ARC **Acceptable Range:** 80% - 120%

Standard Source: Inorganic Ventures **Standard ID:** 21145

Element	WL/ Mass	Reporting Limit	True Conc	icsa 4/13/2009 7:52 AM Found	icsa 4/13/2009 8:24 AM Found	Found	Found	Found
Arsenic	189.042	10		-5	-6			
Lead	220.353	10		-2	-1			

U Result is less than the MDL
B Result is between MDL and PRL

Pace Analytical Services

Metals Data Reporting Form

Interference Check Standard A

Instrument: ICP **Units:** ug/L

Chart Number: P20413B.ARC **Acceptable Range:** 80% - 120%

Standard Source: Inorganic Ventures **Standard ID:** 21145

Element	WL/ Mass	Reporting Limit	True Conc	icsa 4/13/2009 11:15 AM Found	Found	Found	Found	Found
Arsenic	189.042	10		-3				
Lead	220.353	10		-1				

U Result is less than the MDL
B Result is between MDL and PRL

Pace Analytical Services

Metals Data Reporting Form

Preparation Log

Preparation Batch: 4238 **Instrument:** ICP **Matrix:** Water

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
286084	4/12/2009	NA	50	NA
286085	4/12/2009	NA	50	NA
286086	4/12/2009	NA	NA	NA
286087	4/12/2009	NA	50	NA
286088	4/12/2009	NA	50	NA
286089	4/12/2009	NA	50	NA
5025166014	4/12/2009	NA	50	NA
5025166015	4/12/2009	NA	50	NA
5025166019	4/12/2009	NA	50	NA
5025166020	4/12/2009	NA	50	NA
5025166021	4/12/2009	NA	50	NA
5025166022	4/12/2009	NA	50	NA

Pace Analytical Services

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: 286084

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.042	2.9	10.0	2.9	U	1	ICP	4/13/2009	10:22
Lead	220.353	2.2	10.0	2.2	U	1	ICP	4/13/2009	10:22

Comments:

Version 4.10.3

U Result is less than the MDL

B Result is between MDL and PRL

Pace Analytical Services

Metals Data Reporting Form

Laboratory Control Sample Results

Lab Sample ID: 286085

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	Spike Level	Conc	Percent Recovery	Q	Range	DF	Instr	Anal Date	Anal Time
Arsenic	189.042	1000	1130	112.7		80-120	1	ICP	4/13/2009	10:28
Lead	220.353	1000	1060	106.3		80-120	1	ICP	4/13/2009	10:28

Comments:

Pace Analytical Services

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: 286086

Original Sample ID: 5025166014 **Client ID:** MW-0620-S1(041009)MS

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** NA **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Arsenic	189.0	2.9	U	1060		1000	106.0	1	1	ICP	4/13/2009	13:28	4/13/2009	13:33
Lead	220.4	3.2	B	1060		1000	105.5	1	1	ICP	4/13/2009	13:28	4/13/2009	13:33

Comments:

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL
R Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

Pace Analytical Services

Metals Data Reporting Form

Matrix Spike Duplicate Sample Results

Spike Sample ID: 286087

Original Sample ID: 5025166014 **Client ID:** MW-0620-S1(041009)MSD

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MSD Conc	Q	Spike Level	% Rec	OS DF	MSD DF	Instr	OS Anal Date	OS Anal Time	MSD Anal Date	MSD Anal Time
Arsenic	189.0	2.9	U	1050		1000	104.5	1	1	ICP	4/13/2009	13:28	4/13/2009	13:39
Lead	220.4	3.2	B	1050		1000	104.5	1	1	ICP	4/13/2009	13:28	4/13/2009	13:39

Comments:

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL
R Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

Pace Analytical Services

Metals Data Reporting Form

Matrix Spike Duplicate RPD Report

Matrix Spike Duplicate Sample ID: 286087

Matrix Spike Sample ID: 286086 **Client ID:** MW-0620-S1(041009)MSD

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	MS Conc	Q	MSD Conc	Q	RPD	MS DF	MSD DF	Instr	MS Anal Date	MS Anal Time	MSD Anal Date	MSD Anal Time
Arsenic	189.042	1060		1050		1.5 %	1	1	ICP	4/13/2009	13:33	4/13/2009	13:39
Lead	220.353	1060		1050		1.0 %	1	1	ICP	4/13/2009	13:33	4/13/2009	13:39

Comments:

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL
R Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

Pace Analytical Services

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: 286088

Original Sample ID: 5025166015 **Client ID:** MW-0408-S2(041009)MS

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Arsenic	189.0	28.2		1070		1000	104.6	1	1	ICP	4/13/2009	13:45	4/13/2009	13:50
Lead	220.4	2.2	U	1050		1000	105.3	1	1	ICP	4/13/2009	13:45	4/13/2009	13:50

Comments:

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL
R Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

Pace Analytical Services

Metals Data Reporting Form

Matrix Spike Duplicate Sample Results

Spike Sample ID: 286089

Original Sample ID: 5025166015 **Client ID:** MW-0408-S2(041009)MSD

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MSD Conc	Q	Spike Level	% Rec	OS DF	MSD DF	Instr	OS Anal Date	OS Anal Time	MSD Anal Date	MSD Anal Time
Arsenic	189.0	28.2		1080		1000	105.6	1	1	ICP	4/13/2009	13:45	4/13/2009	13:56
Lead	220.4	2.2	U	1060		1000	106.4	1	1	ICP	4/13/2009	13:45	4/13/2009	13:56

Comments:

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL
R Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

Pace Analytical Services

Metals Data Reporting Form

Matrix Spike Duplicate RPD Report

Matrix Spike Duplicate Sample ID: 286089

Matrix Spike Sample ID: 286088 **Client ID:** MW-0408-S2(041009)MSD

Matrix: Water **Units:** ug/L **Prep Date:** 4/12/2009 **Prep Batch:** 4238

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	MS Conc	Q	MSD Conc	Q	RPD	MS DF	MSD DF	Instr	MS Anal Date	MS Anal Time	MSD Anal Date	MSD Anal Time
Arsenic	189.042	1070		1080		1.0%	1	1	ICP	4/13/2009	13:50	4/13/2009	13:56
Lead	220.353	1050		1060		1.0%	1	1	ICP	4/13/2009	13:50	4/13/2009	13:56

Comments:

Version 4.10.3

U Result is less than the MDL
B Result is between MDL and PRL
R Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

Pace Analytical Services

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICP **Units:** ppb

Element	Wavelength /Mass	Reporting Limit	IDL	Date of IDL
Arsenic	189.04	10	2.9	1/14/2009
Lead	220.35	10	2.2	1/14/2009

Pace Analytical Services

Metals Data Reporting Form

Linear Dynamic Ranges

Instrument: ICP **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Arsenic	189.04	35000	1/15/2009
Lead	220.35	50000	1/15/2009

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 6010 MET ICP
Prep/Method: EPA 3010 / EPA 6010

Sample: MW-0620-S1(041009)
Lab ID: 5025166014
Collected: 04/10/09 09:50
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
7439-92-1	Lead	ND	ug/L	10.0	2.2	1	04/12/09 00:00	04/13/09 13:28	

Date: 05/01/2009 12:25 PM

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 6010 MET ICP
Prep/Method: EPA 3010 / EPA 6010

Sample: MW-0408-S2(041009)
Lab ID: 5025166015
Collected: 04/10/09 11:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
7440-38-2	Arsenic	**28.2**	ug/L	5.0	1.5	1	04/12/09 00:00	04/13/09 13:45	

Date: 05/01/2009 12:25 PM

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 6010 MET ICP
Prep/Method: EPA 3010 / EPA 6010

Sample: EB-1(041009)-MAH
Lab ID: 5025166019
Collected: 04/10/09 10:10
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
7439-92-1	Lead	ND	ug/L	10.0	2.2	1	04/12/09 00:00	04/13/09 14:02	

Date: 05/01/2009 12:25 PM

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 6010 MET ICP
Prep/Method: EPA 3010 / EPA 6010

Sample: EB-2(041009)-MAH
Lab ID: 5025166020
Collected: 04/10/09 11:30
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
7440-38-2	Arsenic	ND	ug/L	5.0	1.5	1	04/12/09 00:00	04/13/09 14:07	

Date: 05/01/2009 12:25 PM

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 6010 MET ICP
Prep/Method: EPA 3010 / EPA 6010

Sample: FD-1(041009)-MAH
Lab ID: 5025166021
Collected: 04/10/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
7439-92-1	Lead	ND	ug/L	10.0	2.2	1	04/12/09 00:00	04/13/09 14:13	

Date: 05/01/2009 12:25 PM

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

Matrix: Water
% Moisture:
Acode: 6010 MET ICP
Prep/Method: EPA 3010 / EPA 6010

Sample: FD-2(041009)-MAH
Lab ID: 5025166022
Collected: 04/10/09 08:00
Received: 04/10/09 16:00

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
7440-38-2	Arsenic	**27.9**	ug/L	5.0	1.5	1	04/12/09 00:00	04/13/09 14:19	

Date: 05/01/2009 12:25 PM

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MPRP/4238 **Prepared:** 04/12/09
Method(s): EPA 3010 / EPA 6010
Associated Lab Samples: 5025166014, 5025166015, 5025166019, 5025166020, 5025166021, 5025166022

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
7440-38-2	Arsenic	ND	ug/L	5.0	1.5	04/13/09	
7439-92-1	Lead	ND	ug/L	10.0	2.2	04/13/09	

Type	Sample	Matrix
BLANK	286084	Water

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MPRP/4238 **LCS Prepared:** 04/12/09
Method(s): EPA 3010 / EPA 6010 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
Arsenic	113			80-120		1000	1130		ug/L	04/13/09			
Lead	106			80-120		1000	1060		ug/L	04/13/09			

Type	Sample
LCS	286085

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MPRP/4238
Method(s): EPA 3010 / EPA 6010

MS Prepared: 04/12/09
MSD Prepared: 04/12/09

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
Arsenic	ug/L	ND	1000	1000	1060	1040	1	1	106	104	75-125	2	20	04/13/09	04/13/09		
Lead	ug/L	ND	1000	1000	1060	1050	1	1	105	104	75-125	0.9	20	04/13/09	04/13/09		

Type	Sample	Client Sample ID
MS	286086	MW-0620-S1(041009)
MSD	286087	MW-0620-S1(041009)

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MPRP/4238
Method(s): EPA 3010 / EPA 6010

MS Prepared: 04/12/09
MSD Prepared: 04/12/09

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
Arsenic	ug/L	28.2	1000	1000	1070	1080	1	1	105	106	75-125	0.9	20	04/13/09	04/13/09		
Lead	ug/L	ND	1000	1000	1050	1060	1	1	105	106	75-125	1	20	04/13/09	04/13/09		

Type	Sample	Client Sample ID
MS	286088	MW-0408-S2(041009)
MSD	286089	MW-0408-S2(041009)

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025166

QB Batch: MPRP/4238
Method(s): EPA 3010 / EPA 6010

MS Prepared: 04/12/09
MSD Prepared: 04/12/09

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
Arsenic	ug/L	ND	1000	1000	1060	1040	1	1	106	104	75-125	2	20	04/13/09	04/13/09		
Lead	ug/L	ND	1000	1000	1070	1050	1	1	106	104	75-125	2	20	04/13/09	04/13/09		

Type	Sample	Client Sample ID
MS	286090	5025171005
MSD	286091	5025171005

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Metals Digestion Log

PASI Indianapolis Laboratory

ICP Spike Sol. #: 21146

Furnace Spike Sol.#: 0

AB# 3495

Page Number: 10336

Sunday, April 12, 2009

Analyst	Sample ID	Client	Sample Type	QC Batch	Initial Wt./Vol (g or ml)	Final Vol. (ml)	Project No.	Comments	Method
FRW	286084	In-house QC Account	BLANK	4238	50	50			3010 ICP
FRW	286085	In-house QC Account	LCS	4238	50	50			3010 ICP
FRW	286086	In-house QC Account	MS	4238	50	50			3010 ICP
FRW	286087	In-house QC Account	MSD	4238	50	50			3010 ICP
FRW	286088	In-house QC Account	MS	4238	50	50			3010 ICP
FRW	286089	In-house QC Account	MSD	4238	50	50			3010 ICP
FRW	286090	In-house QC Account	MS	4238	50	50			3010 ICP
FRW	286091	In-house QC Account	MSD	4238	50	50			3010 ICP
FRW	5025166014	Conestoga-Rovers and	OQS	4238	50	50	5025166		3010 ICP
FRW	5025166015	Conestoga-Rovers and	OQS	4238	50	50	5025166		3010 ICP
FRW	5025166019	Conestoga-Rovers and	PS	4238	50	50	5025166		3010 ICP
FRW	5025166020	Conestoga-Rovers and	PS	4238	50	50	5025166		3010 ICP
FRW	5025166021	Conestoga-Rovers and	PS	4238	50	50	5025166		3010 ICP
FRW	5025166022	Conestoga-Rovers and	PS	4238	50	50	5025166		3010 ICP
FRW	[redacted]	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	[redacted]	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	5025170003	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	5025170004	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	5025170005	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	5025170006	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	5025170007	FOPPE Technical Grou	PS	4238	50	50	5025170		3010 ICP
FRW	5025171001	NXT	PS	4238	50	50	5025171		3010 ICP
FRW	5025171002	NXT	PS	4238	50	50	5025171		3010 ICP
FRW	5025171003	NXT	PS	4238	50	50	5025171		3010 ICP
FRW	5025171004	NXT	PS	4238	50	50	5025171		3010 ICP
FRW	5025171005	NXT	OQS	4238	50	50	5025171		3010 ICP
FRW	5025171006	NXT	PS	4238	50	50	5025171		3010 ICP

5/2 4-12-09

VAUD 4-14-09 RDM

ICP Instrument Run Log

50TRACE

Nitric Lot#: 1108110

HCL Lot#: 4108100

Page Number 2073

Monday, April 13, 2009

ICV Standard #: 21143

CalStdID1: 21149 CalStdID2: 21150 CalStdID3: 21151 CalStdID4: 21152

CalStdID5: 21153 CalStdID6: 0 CalStdID7: 21155

SampleID	SampleType	Client	Comments	RunBatch	QCBatch	ReRun	Date\Time	Project#
						No		
SAMPLE ID:	SAMPLE TYP	CLIENT		BATCH:		No		PROJECT
50ICP1	PACE2006	METHOD:				No		
blank						No	4/13/2009 6:59:00 AM	
ag 2						No	4/13/2009 7:05:00 AM	
mixstd 3						No	4/13/2009 7:10:00 AM	
mixstd 5						No	4/13/2009 7:15:00 AM	
mixstd 2						No	4/13/2009 7:20:00 AM	
mixstd 1						No	4/13/2009 7:24:00 AM	
mixstd 4						No	4/13/2009 7:30:00 AM	
icvccv						No	4/13/2009 7:35:00 AM	
icbccb						No	4/13/2009 7:40:00 AM	
crdl						No	4/13/2009 7:46:00 AM	
icsa						No	4/13/2009 7:52:00 AM	
blank						No	4/13/2009 8:01:00 AM	
icvccv						No	4/13/2009 8:07:00 AM	
icbccb						No	4/13/2009 8:12:00 AM	
crdl						No	4/13/2009 8:18:00 AM	
icsa						No	4/13/2009 8:24:00 AM	
285452	BLANK	In-house QC Accou		3493		No	4/13/2009 8:29:00 AM	
285453	LCS	In-house QC Accou		3493		No	4/13/2009 8:35:00 AM	
5024920001	PS	SES Environmental		3493		No	4/13/2009 8:41:00 AM	5024920
285456	MS	In-house QC Accou		3493		No	4/13/2009 8:46:00 AM	
285457	MSD	In-house QC Accou		3493		No	4/13/2009 8:52:00 AM	
5024920001 pds						No	4/13/2009 8:57:00 AM	
5024920001 5x						No	4/13/2009 9:03:00 AM	
5024920002	PS	SES Environmental		3493		No	4/13/2009 9:09:00 AM	5024920

ICP Instrument Run Log

Nitric Lot#: 1108110

HCL Lot#: 4108100

Page Number 2073

50TRACE

Monday, April 13, 2009

ICV Standard #: 21143

CalStdID1: 21149 CalStdID2: 21150 CalStdID3: 21151 CalStdID4: 21152

CalStdID5: 21153 CalStdID6: 0 CalStdID7: 21155

SampleID	SampleType	Client	Comments	RunBatch	QCBatch	ReRun	Date\Time	Project#
5024920003	PS	SES Environmental		3493		No	4/13/2009 9:14:00 AM	5024920
285458	BLANK	In-house QC Accou		3494		No	4/13/2009 9:20:00 AM	
icvccv						No	4/13/2009 9:26:00 AM	
icbccb						No	4/13/2009 9:31:00 AM	
285459	LCS	In-house QC Accou		3494		No	4/13/2009 9:37:00 AM	
5025035001	PS	Ford Meter Box		3494		No	4/13/2009 9:43:00 AM	5025035
285460	MS	In-house QC Accou		3494		No	4/13/2009 9:48:00 AM	
285461	MSD	In-house QC Accou		3494		No	4/13/2009 9:54:00 AM	
5025035001 pds						No	4/13/2009 10:00:00 AM	
5025035001 5x						No	4/13/2009 10:05:00 AM	
5025035002	PS	Ford Meter Box		3494		No	4/13/2009 10:11:00 AM	5025035
5025035003	PS	Ford Meter Box		3494		No	4/13/2009 10:17:00 AM	5025035
286084	BLANK	In-house QC Accou		3495		No	4/13/2009 10:22:00 AM	
286085	LCS	In-house QC Accou		3495		No	4/13/2009 10:28:00 AM	
icvccv						No	4/13/2009 10:34:00 AM	
icbccb						No	4/13/2009 10:39:00 AM	
crdl						No	4/13/2009 10:46:00 AM	
mixstd 3						No	4/13/2009 10:53:00 AM	
icvccv						No	4/13/2009 10:58:00 AM	
icbccb						No	4/13/2009 11:04:00 AM	
crdl						No	4/13/2009 11:10:00 AM	
icsa						No	4/13/2009 11:15:00 AM	
5025170003 r	PS	FOPPE Technical		3495		No	4/13/2009 11:21:00 AM	5025170
5025170004 r	PS	FOPPE Technical		3495		No	4/13/2009 11:27:00 AM	5025170
5025170003 20x	PS	FOPPE Technical		3495		No	4/13/2009 11:39:00 AM	5025170
5025170004 20x	PS	FOPPE Technical		3495		No	4/13/2009 11:45:00 AM	5025170
5025170005 20x	PS	FOPPE Technical		3495		No	4/13/2009 11:50:00 AM	5025170

ICP Instrument Run Log

Nitric Lot#: 1108110

HCL Lot#: 4108100

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Monday, April 13, 2009

ICV Standard #: 21143

CalStdID1: 21149 CalStdID2: 21150 CalStdID3: 21151 CalStdID4: 21152

CalStdID5: 21153 CalStdID6: 0 CalStdID7: 21155

SampleID	SampleType	Client	Comments	RunBatch	QCBatch	ReRun	Date\Time	Project#
5025170006 20x	PS	FOPPE Technical		3495		No	4/13/2009 11:56:00 AM	5025170
5025170007 20x	PS	FOPPE Technical		3495		No	4/13/2009 12:02:00 PM	5025170
icvccv						No	4/13/2009 12:07:00 PM	
icbccb						No	4/13/2009 12:13:00 PM	
5025171001	PS	NXT		3495		No	4/13/2009 12:19:00 PM	5025171
5025171002	PS	NXT		3495		No	4/13/2009 12:24:00 PM	5025171
5025171003	PS	NXT		3495		No	4/13/2009 12:30:00 PM	5025171
5025171004	PS	NXT		3495		No	4/13/2009 12:36:00 PM	5025171
5025171005	OQS	NXT		3495		No	4/13/2009 12:41:00 PM	5025171
286090	MS	In-house QC Accou		3495		No	4/13/2009 12:47:00 PM	
286091	MSD	In-house QC Accou		3495		No	4/13/2009 12:53:00 PM	
5025171005 pds						No	4/13/2009 12:58:00 PM	
5025171005 5x						No	4/13/2009 1:04:00 PM	
5025171006	PS	NXT		3495		No	4/13/2009 1:10:00 PM	5025171
icvccv						No	4/13/2009 1:15:00 PM	
icbccb						No	4/13/2009 1:21:00 PM	
5025166014	OQS	Conestoga-Rovers		3495		No	4/13/2009 1:28:00 PM	5025166
286086	MS	In-house QC Accou		3495		No	4/13/2009 1:33:00 PM	
286087	MSD	In-house QC Accou		3495		No	4/13/2009 1:39:00 PM	
5025166015	OQS	Conestoga-Rovers		3495		No	4/13/2009 1:45:00 PM	5025166
286088	MS	In-house QC Accou		3495		No	4/13/2009 1:50:00 PM	
286089	MSD	In-house QC Accou		3495		No	4/13/2009 1:56:00 PM	
5025166019	PS	Conestoga-Rovers		3495		No	4/13/2009 2:02:00 PM	5025166
5025166020	PS	Conestoga-Rovers		3495		No	4/13/2009 2:07:00 PM	5025166
5025166021	PS	Conestoga-Rovers		3495		No	4/13/2009 2:13:00 PM	5025166
5025166022	PS	Conestoga-Rovers		3495		No	4/13/2009 2:19:00 PM	5025166
icvccv						No	4/13/2009 2:24:00 PM	

ICP Instrument Run Log

50TRACE

Nitric Lot#: 1108110

HCL Lot#: 4108100

Page Number 2073

Monday, April 13, 2009

ICV Standard #: 21143

CalStdID1: 21149 CalStdID2: 21150 CalStdID3: 21151 CalStdID4: 21152

CalStdID5: 21153 CalStdID6: 0 CalStdID7: 21155

SampleID	SampleType	Client	Comments	RunBatch	QCBatch	ReRun	Date\Time	Project#
icbccb						No	4/13/2009 2:30:00 PM	
crdl						No	4/13/2009 2:36:00 PM	

Table Name: FRW8 Autosampler Type: TYPE TJA
Sample Positions: 52/192 QC Positions: 0/19 # Sets: 1
Rinse Station location is rack -1, pos. -1.

--- Racks ---

Rack #	Type	Usage	#Pos Left	Analyses/Pos
1	Aux. (L) Rack	STD/QC/BLANK	0	10
2	Sample (16mm)	Samples	0	1
3	Sample (16mm)	Samples	0	1
4	Sample (16mm)	Samples	4	1
5	Sample (16mm)	Samples	48	1

--- Sample Sets ---

Set#	Type	Prepare?	Description	Method	#Pos	Rack#	StartPos
1	Normal	No	041309	*FromMTD	140	2	1

--- Preparation Info ---

Set#	Uptake	Uptake#2	Final	Dil.Factor

No Samples Prepared.

Rack #1

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	icbccb	-NA-	7	QC Standard
2	1	2	icvccv	-NA-	7	QC Standard
3	1	3	mixstd 6	-NA-	1	Standard
4	1	4	mixstd 4	-NA-	1	Standard
5	1	5	mixstd 1	-NA-	1	Standard
6	1	6	mixstd 2	-NA-	1	Standard
7	1	7	mixstd 5	-NA-	1	Standard
8	1	8	mixstd 3	-NA-	2	Standard
9	1	9	ag 2	-NA-	1	Standard
10	1	10	blank	-NA-	1	Standard
11	1	11	crdl	-NA-	5	QC Standard
12	1	12	icsa	-NA-	2	QC Standard
13	1	13	icbccb2	-NA-	1	QC Standard
14	1	14	icvccv2	-NA-	1	QC Standard
15	1	15	crdl2	-NA-	1	QC Standard
16	1	16	icvccv3	-NA-	1	QC Standard
17	1	17	icbccb3	-NA-	1	QC Standard
18	1	18	icvccv4	-NA-	2	QC Standard
19	1	19	icbccb4	-NA-	1	QC Standard

Rack #2

Pos	Row	Col	Sample Name	Set #	#Used	Type
1	1	1	285452	1	-NA-	Sample
2	1	2	285453	1	-NA-	Sample
3	1	3	5024920001	1	-NA-	Sample
4	1	4	285456	1	-NA-	Sample
5	1	5	285457	1	-NA-	Sample
6	1	6	5024920001 pds	1	-NA-	Sample
7	1	7	5024920001 5x	1	-NA-	Sample
8	1	8	5024920002	1	-NA-	Sample
9	1	9	5024920003	1	-NA-	Sample
10	1	10	285458	1	-NA-	Sample
11	1	11	285459	1	-NA-	Sample
12	1	12	5025035001	1	-NA-	Sample
13	2	1	285460	1	-NA-	Sample
14	2	2	285461	1	-NA-	Sample
15	2	3	5025035001 pds	1	-NA-	Sample
16	2	4	5025035001 5x	1	-NA-	Sample
17	2	5	5025035002	1	-NA-	Sample
18	2	6	5025035003	1	-NA-	Sample
19	2	7	286084	1	-NA-	Sample
20	2	8	286085	1	-NA-	Sample
21	2	9	5025170003 20x	1	-NA-	Sample
22	2	10	5025170004 20x	1	-NA-	Sample
23	2	11	5025170005 20x	1	-NA-	Sample
24	2	12	5025170006 20x	1	-NA-	Sample
25	3	1	5025170007 20x	1	-NA-	Sample
26	3	2	5025171001	1	-NA-	Sample
27	3	3	5025171002	1	-NA-	Sample
28	3	4	5025171003	1	-NA-	Sample
29	3	5	5025171004	1	-NA-	Sample
30	3	6	5025171005	1	-NA-	Sample
31	3	7	286090	1	-NA-	Sample
32	3	8	286091	1	-NA-	Sample
33	3	9	5025171005 pds	1	-NA-	Sample
34	3	10	5025171005 5x	1	-NA-	Sample
35	3	11	5025171006	1	-NA-	Sample
36	3	12	5025166014	1	-NA-	Sample
37	4	1	286086	1	-NA-	Sample
38	4	2	286087	1	-NA-	Sample
39	4	3	5025166015	1	-NA-	Sample
40	4	4	286088	1	-NA-	Sample
41	4	5	286089	1	-NA-	Sample
42	4	6	5025166019	1	-NA-	Sample
43	4	7	5025166020	1	-NA-	Sample
44	4	8	5025166021	1	-NA-	Sample
45	4	9	5025166022	1	-NA-	Sample
46	4	10	(empty)	1	-NA-	-NA-
47	4	11	(empty)	1	-NA-	-NA-
48	4	12	(empty)	1	-NA-	-NA-

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ICP Metals 6010B

Section 2: Initial Calibration Data

** Initial Calibration Summary Table*
** Initial Calibration Standards and Blanks*
** CRDL Standards*

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 50 ICP 1 4-13-09

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

Method: PACE2006 Standard: blank
Run Time: 04/13/09 06:59:47

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Avge	-.00002	.00063	.00016	.00010	.00060	.00037	.00074
SDev	.00006	.00098	.00007	.00002	.00002	.00013	.00007
%RSD	234.69	155.62	41.902	23.011	2.4608	36.356	10.072
#1	.00002	-.00006	.00021	.00011	.00059	.00046	.00079
#2	-.00006	.00133	.00011	.00008	.00061	.00027	.00069

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	.00030	.02569	.00733	.00647	.00009	.00018	.00993
SDev	.00014	.02191	.00300	.00594	.00001	.00015	.00575
%RSD	45.177	85.274	40.888	91.809	12.286	79.541	57.901
#1	.00021	.04118	.00945	.01067	.00010	.00029	.01400
#2	.00040	.01020	.00521	.00227	.00008	.00008	.00587

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	.00030	-.00040	.07906	.00257	.00117	.00047	-.00100
SDev	.00004	.00023	.04426	.00426	.00164	.00017	.00043
%RSD	14.317	57.051	55.982	165.88	139.49	36.492	43.173
#1	.00033	-.00024	.11036	-.00044	.00233	.00035	-.00070
#2	.00027	-.00056	.04777	.00558	.00002	.00059	-.00131

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Avge	-.00019	.00564	-.00006	.00220	.00009	.00026	-.00020
SDev	.00027	.00005	.00007	.00006	.00008	.00006	.00046
%RSD	141.42	.82103	106.32	2.4993	89.652	20.865	230.97
#1	-.00038	.00568	-.00002	.00224	.00014	.00030	.00013
#2	.00000	.00561	-.00011	.00216	.00003	.00022	-.00053

Elem	Al3082
Avge	-.01633
SDev	.00002
%RSD	.09259
#1	-.01632
#2	-.01634

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62812	--	--	--	--	--	--
SDev	361.3316	--	--	--	--	--	--
%RSD	.5752634	--	--	--	--	--	--
#1	63067	--	--	--	--	--	--
#2	62556	--	--	--	--	--	--

Method: PACE2006 Standard: ag 2
Run Time: 04/13/09 07:05:26

Elem	Ag3280
Avge	.58490
SDev	.00003
%RSD	.00423
#1	.58492
#2	.58488

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62414	--	--	--	--	--	--
SDev	272.2361	--	--	--	--	--	--
%RSD	.4361815	--	--	--	--	--	--
#1	62221	--	--	--	--	--	--
#2	62606	--	--	--	--	--	--

Method: PACE2006 Standard: mixstd 3
Run Time: 04/13/09 07:10:03

Elem	As1890	Mo2020	Si2881
Avge	5.4149	.42989	.27393
SDev	.0388	.00417	.00036
%RSD	.71665	.96912	.12952
#1	5.3874	.42694	.27419
#2	5.4423	.43284	.27368

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63728	--	--	--	--	--	--
SDev	333.0473	--	--	--	--	--	--
%RSD	.5226034	--	--	--	--	--	--
#1	63964	--	--	--	--	--	--
#2	63493	--	--	--	--	--	--

Method: PACE2006 Standard: mixstd 5
Run Time: 04/13/09 07:15:11

Elem	B_2496	Mg2790	Sb2068	Tl1908
Avge	.19273	.77347	.74395	1.2632
SDev	.00060	.00210	.00684	.0008
%RSD	.31288	.27162	.92000	.06205
#1	.19231	.77199	.73911	1.2627
#2	.19316	.77496	.74879	1.2638

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63759	--	--	--	--	--	--
SDev	16.97056	--	--	--	--	--	--
%RSD	.0266167	--	--	--	--	--	--
#1	63747	--	--	--	--	--	--
#2	63771	--	--	--	--	--	--

Method: PACE2006 Standard: mixstd 2
Run Time: 04/13/09 07:20:20

Elem	Ba4934	Co2286	Cu3247	Fe2714	V_2924
Avge	.32931	.52053	.78756	1.7174	.14171
SDev	.00316	.00516	.00741	.0184	.00140
%RSD	.95850	.99130	.94045	1.0689	.98902
#1	.32708	.51688	.78232	1.7044	.14072
#2	.33154	.52418	.79279	1.7304	.14270

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62804	--	--	--	--	--	--
SDev	406.5864	--	--	--	--	--	--
%RSD	.6473842	--	--	--	--	--	--
#1	63092	--	--	--	--	--	--
#2	62517	--	--	--	--	--	--

Method: PACE2006 Standard: mixstd 1
Run Time: 04/13/09 07:24:58

Elem	Be3130	Cd2265	Mn2576	2203/1	2203/2	1960/1	1960/2
Avge	1.8444	8.5666	1.3427	20.112	16.685	.99953	.98104
SDev	.0012	.0001	.0003	.009	.010	.00030	.00058
%RSD	.06454	.00080	.01913	.04287	.06152	.03012	.05887
#1	1.8452	8.5667	1.3429	20.105	16.693	.99975	.98063
#2	1.8435	8.5666	1.3426	20.118	16.678	.99932	.98145

Elem	Zn2062
Avge	.65172
SDev	.00139
%RSD	.21348
#1	.65074
#2	.65271

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63163	--	--	--	--	--	--
SDev	171.1198	--	--	--	--	--	--
%RSD	.2709179	--	--	--	--	--	--
#1	63042	--	--	--	--	--	--
#2	63284	--	--	--	--	--	--

Method: PACE2006 Standard: mixstd 4
Run Time: 04/13/09 07:30:08

Elem	Ca3158	Cr2677	K_7664	Na3302	Ni2316	Al3082
Avge	1.8111	.28728	.14736	.03826	1.1485	.51851
SDev	.0187	.00312	.00112	.00006	.0102	.00561
%RSD	1.0314	1.0858	.76032	.15414	.89052	1.0815
#1	1.7979	.28508	.14657	.03821	1.1412	.51455
#2	1.8243	.28949	.14816	.03830	1.1557	.52248

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62423	--	--	--	--	--	--
SDev	613.7687	--	--	--	--	--	--
%RSD	.9832413	--	--	--	--	--	--
#1	62857	--	--	--	--	--	--
#2	61989	--	--	--	--	--	--

Standardization Report 04/13/09 07:35:13 AM page 1

Method: PACE2006 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	ag 2	blank	3419.26	.082210	04/13/09 07:30:08
As1890	189.042	mixstd 3	blank	1847.03	-1.16676	04/13/09 07:30:08
B_2496	249.678	mixstd 5	blank	10385.6	-1.65146	04/13/09 07:30:08
Ba4934	493.409	mixstd 2	blank	3037.53	-.289965	04/13/09 07:30:08
Be3130	313.042	mixstd 1	blank	542.365	-.323828	04/13/09 07:30:08
Ca3158	315.887	mixstd 4	blank	27612.6	-10.1005	04/13/09 07:30:08
Cd2265	226.502	mixstd 1	blank	350.227	-.259202	04/13/09 07:30:08
Co2286	228.616	mixstd 2	blank	1926.93	-.583641	04/13/09 07:30:08
Cr2677	267.716	mixstd 4	blank	3822.86	-98.2041	04/13/09 07:30:08
Cu3247	324.753	mixstd 2	blank	1271.83	-9.32352	04/13/09 07:30:08
Fe2714	271.441	mixstd 2	blank	58447.3	-378.188	04/13/09 07:30:08
K_7664	766.491	mixstd 4	blank	135801.	-11.8870	04/13/09 07:30:08
Mg2790	279.078	mixstd 5	blank	25863.4	-4.72446	04/13/09 07:30:08
Mn2576	257.610	mixstd 1	blank	1500.60	-14.9068	04/13/09 07:30:08
Mo2020	202.030	mixstd 3	blank	4655.64	-1.40771	04/13/09 07:30:08
Na3302	330.232	mixstd 4	blank	257914.	102.823	04/13/09 07:30:08
Ni2316	231.604	mixstd 4	blank	935.146	-73.9345	04/13/09 07:30:08
2203/1	220.351	mixstd 1	blank	497.410	-1.27711	04/13/09 07:30:08
2203/2	220.352	mixstd 1	blank	599.367	-.703309	04/13/09 07:30:08
Sb2068	206.838	mixstd 5	blank	5380.11	-2.52947	04/13/09 07:30:08
1960/1	196.021	mixstd 1	blank	3998.58	4.01556	04/13/09 07:30:08
1960/2	196.022	mixstd 1	blank	4075.39	.775441	04/13/09 07:30:08
Si2881	288.158	mixstd 3	blank	37228.9	-210.110	04/13/09 07:30:08
Sn1899	189.989	mixstd 6	blank	19911.6	1.27191	04/13/09 07:30:08
Ti3372	337.280	mixstd 6	blank	621.452	-1.36526	04/13/09 07:30:08
V_2924	292.402	mixstd 2	blank	7079.28	-.618293	04/13/09 07:30:08
Zn2062	206.200	mixstd 1	blank	4605.03	-1.20897	04/13/09 07:30:08
Tl1908	190.864	mixstd 5	blank	3165.94	.634261	04/13/09 07:30:08
Al3082	308.215	mixstd 4	blank	18683.8	305.044	04/13/09 07:30:08
Pb2203	220.353	STD4	STD1-Blank	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	STD4	STD1-Blank	1.00000	.000000	*NOT STANDARDIZED

Analysis Report QC Standard 04/13/09 07:40:54 AM page 1

Method: PACE2006 Sample Name: icvccv Operator:
Run Time: 04/13/09 07:35:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	488.55	1041.5	983.94	989.11	987.12	10177.	987.79
SDev	1.91	3.9	6.76	5.44	5.60	64.	6.23
%RSD	.39009	.37525	.68665	.55004	.56708	.62939	.63056
#1	487.20	1038.7	979.16	985.26	983.16	10132.	983.38
#2	489.89	1044.2	988.72	992.96	991.08	10222.	992.19
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	985.57	998.28	955.69	9711.9	9942.6	10238.	975.09
SDev	6.76	7.55	5.60	76.0	42.9	69.	6.00
%RSD	.68613	.75616	.58552	.78215	.43108	.67232	.61485
#1	980.79	992.94	951.73	9658.1	9912.3	10189.	970.85
#2	990.35	1003.6	959.65	9765.6	9972.9	10287.	979.33
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1003.1	10077.	990.84	983.82	981.13	1067.0	996.28
SDev	10.4	19.	5.23	.81	7.55	8.5	5.95
%RSD	1.0377	.18938	.52805	.08199	.76987	.79989	.59717
#1	995.73	10064.	987.14	983.25	975.79	1061.0	992.08
#2	1010.4	10091.	994.54	984.39	986.47	1073.0	1000.5
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1001.5	Q4437.3	992.01	977.76	991.23	993.94	982.76
SDev	8.0	34.5	7.75	5.73	5.93	5.33	5.38
%RSD	.80376	.77651	.78166	.58602	.59827	.53649	.54780
#1	995.85	Q4413.0	986.53	973.71	987.04	990.17	978.95
#2	1007.2	Q4461.7	997.50	981.81	995.42	997.71	986.57
Errors	NOCHECK	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	9835.3	982.0	999.8
SDev	48.3	5.3	7.4
%RSD	.49097	.5404	.7352
#1	9801.1	978.3	994.6
#2	9869.4	985.8	1005.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	64316	--	--	--	--	--	--
SDev	132.2290	--	--	--	--	--	--
%RSD	.2055942	--	--	--	--	--	--
#1	64409	--	--	--	--	--	--
#2	64222	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator:
Run Time: 04/13/09 07:40:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.50091	-.95102	3.4323	-.24266	.13654	-1.9336	-.28598
SDev	.22492	.87373	.7901	.06690	.01909	.6253	.11926
%RSD	44.903	91.872	23.019	27.571	13.983	32.341	41.702
#1	-.34186	-.33320	3.9909	-.19535	.15004	-1.4914	-.20165
#2	-.65995	-1.5688	2.8736	-.28997	.12304	-2.3758	-.37031
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.09588	Q-97.639	-5.1102	Q-389.11	2.9056	-4.8958	Q-14.717
SDev	.00042	.295	.0193	2.55	3.0079	1.4023	.034
%RSD	.44277	.30178	.37752	.65491	103.52	28.644	.22809
#1	-.09618	Q-97.431	-5.0966	Q-387.31	5.0325	-3.9042	Q-14.693
#2	-.09558	Q-97.848	-5.1238	Q-390.91	.77870	-5.8874	Q-14.741
Errors	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0578	131.88	Q-74.823	2.2152	-1.0896	1.7971	2.3055
SDev	2.1602	39.41	.606	1.8809	.3429	2.7885	2.3782
%RSD	104.98	29.883	.81029	84.905	31.470	155.17	103.15
#1	3.5853	104.01	Q-74.395	3.5452	-1.3321	3.7688	.62391
#2	.53023	159.75	Q-75.252	.88527	-.84714	-.17473	3.9871
Errors	QC Pass	QC Pass	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.8794	69.036	1.8434	.49635	-.66269	-.46051	-2.2433
SDev	.3515	6.929	1.7614	.36486	.23421	.25392	.2493
%RSD	9.0594	10.036	95.556	73.508	35.343	55.139	11.113
#1	3.6309	73.936	3.0889	.75435	-.49708	-.28096	-2.0671
#2	4.1279	64.137	.59784	.23836	-.82831	-.64006	-2.4196
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	24.019	.0110	3.355
SDev	2.082	.3976	1.026
%RSD	8.6660	3603.	30.59
#1	25.491	.2922	2.630
#2	22.547	-.2701	4.081
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	64270	--	--	--	--	--	--
SDev	85.55992	--	--	--	--	--	--
%RSD	.1331268	--	--	--	--	--	--
#1	64209	--	--	--	--	--	--
#2	64330	--	--	--	--	--	--

Method: PACE2006 Sample Name: crdl Operator:
Run Time: 04/13/09 07:46:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	9.5833	8.8807	154.68	2.8363	10.160	513.66	.76109
SDev	.0454	.1995	.70	.0704	.020	.40	.09890
%RSD	.47381	2.2470	.44944	2.4808	.20038	.07755	12.995
#1	9.6154	8.7396	155.17	2.8861	10.174	513.94	.83103
#2	9.5512	9.0218	154.19	2.7866	10.146	513.38	.69116
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	150.00	3.0000	10.000	500.00	1.0000
Range	50.000	50.000	20.000	50.000	20.000	20.000	50.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.564	Q-74.874	5.0850	Q-274.33	4831.6	510.80	Q-4.7857
SDev	.287	.488	.0041	3.20	5.2	.45	.0246
%RSD	1.4668	.65170	.07988	1.1660	.10666	.08880	.51441
#1	19.361	Q-74.529	5.0821	Q-276.59	4835.2	510.48	Q-4.7683
#2	19.767	Q-75.219	5.0879	Q-272.07	4827.9	511.12	Q-4.8031
Errors	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass	QC Fail
Value	20.000	20.000	10.000	100.00	5000.0	500.00	10.000
Range	20.000	20.000	50.000	50.000	20.000	20.000	20.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.558	2022.0	Q-30.687	8.2424	5.5255	12.545	7.5792
SDev	1.164	59.3	.346	.1120	.6712	2.000	4.5690
%RSD	3.9369	2.9328	1.1279	1.3586	12.148	15.942	60.283
#1	30.381	2063.9	Q-30.442	8.1632	5.0509	13.959	10.810
#2	28.735	1980.0	Q-30.932	8.3215	6.0002	11.130	4.3485
Errors	QC Pass	QC Pass	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	30.000	2000.0	40.000			10.000	
Range	20.000	50.000	20.000			50.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	13.669	65.455	70.158	20.160	29.091	40.510	15.766
SDev	.237	2.302	1.058	.005	.023	.701	.300
%RSD	1.7364	3.5176	1.5079	.02344	.07870	1.7305	1.9026
#1	13.836	67.083	69.410	20.156	29.107	41.006	15.978
#2	13.501	63.827	70.906	20.163	29.075	40.014	15.554
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			70.000	20.000	30.000	40.000	20.000
Range			20.000	50.000	20.000	20.000	50.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	206.18	6.430	11.64
SDev	3.06	.485	1.68
%RSD	1.4829	7.542	14.43
#1	208.34	6.087	12.83
#2	204.01	6.773	10.45
Errors	QC Pass	QC Pass	QC Pass
Value	200.00	6.000	10.00
Range	50.000	50.00	50.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63156	--	--	--	--	--	--
SDev	47.37616	--	--	--	--	--	--
%RSD	.0750151	--	--	--	--	--	--
#1	63122	--	--	--	--	--	--
#2	63189	--	--	--	--	--	--

Method: PACE2006 Sample Name: icsa Operator:
Run Time: 04/13/09 07:52:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.2035	-4.6479	3.3908	1.5552	-1.5923	477870.	1.8039
SDev	.6664	.9832	.5974	.0304	.0034	164.	.0830
%RSD	55.371	21.155	17.618	1.9542	.21559	.03435	4.6001
#1	-1.6748	-5.3431	2.9684	1.5337	-1.5898	477990.	1.8625
#2	-.73231	-3.9526	3.8132	1.5767	-1.5947	477750.	1.7452
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	500000.	.00000
Range	10.000	20.000	100.00	20.000	6.0000	100000.	2.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.7136	Q-98.918	-1.3709	192580.	-.56484	538570.	Q-19.711
SDev	.2615	.788	.2915	294.	.04338	153.	.052
%RSD	15.262	.79688	21.264	.15244	7.6802	.02835	.26370
#1	-1.5287	Q-99.475	-1.5771	192780.	-.53417	538470.	Q-19.674
#2	-1.8986	Q-98.361	-1.1648	192370.	-.59552	538680.	Q-19.748
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.00000	.00000	.00000	200000.	.00000	500000.	.00000
Range	20.000	10.000	20.000	40000.	500.00	100000.	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6996	252.56	Q-75.289	-12.036	3.6994	-1.3242	-7.7133
SDev	.1045	26.40	.600	.926	1.3430	2.3565	2.5721
%RSD	6.1503	10.451	.79723	7.6933	36.304	177.96	33.346
#1	1.6257	233.89	Q-74.865	-11.381	2.7497	.34213	-5.8946
#2	1.7735	271.22	Q-75.713	-12.691	4.6490	-2.9905	-9.5321
Errors	QC Pass	QC Pass	QC Fail	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	40.000	2000.0	20.000			12.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.6137	56.322	17.223	2.8405	-.48742	-10.834	1.7035
SDev	.3633	.474	1.694	.0381	.26659	.590	.6967
%RSD	13.902	.84131	9.8335	1.3425	54.694	5.4462	40.897
#1	2.8706	56.657	18.421	2.8135	-.29891	-11.251	1.2109
#2	2.3567	55.987	16.025	2.8674	-.67593	-10.417	2.1961
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		400.00	20.000	20.000	20.000	20.000	100.00

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	519160.	-1.540	-.8251
SDev	1481.	.587	1.0989
%RSD	.28517	38.14	133.2
#1	520210.	-1.956	-.0481
#2	518110.	-1.125	-1.602
Errors	QC Pass	QC Pass	QC Pass
Value	500000.	.0000	.0000
Range	100000.	10.00	20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	58440	--	--	--	--	--	--
SDev	201.5254	--	--	--	--	--	--
%RSD	.3448446	--	--	--	--	--	--
#1	58297	--	--	--	--	--	--
#2	58582	--	--	--	--	--	--

Method: PACE2006 Standard: blank
Run Time: 04/13/09 08:01:20

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Avge	-.00026	-.00033	.00013	.00012	.00077	.00066	.00068
SDev	.00003	.00042	.00014	.00006	.00002	.00026	.00076
%RSD	13.159	128.01	108.02	46.869	3.1915	40.125	112.05
#1	-.00023	-.00003	.00023	.00016	.00075	.00084	.00122
#2	-.00028	-.00063	.00003	.00008	.00078	.00047	.00014

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	.00038	.00008	.00319	-.00007	.00007	.00064	.00008
SDev	.00009	.00007	.00005	.00010	.00003	.00031	.00000
%RSD	23.273	84.657	1.6920	141.42	46.869	48.020	.30550
#1	.00044	.00012	.00316	.00000	.00009	.00086	.00008
#2	.00031	.00003	.00323	-.00014	.00005	.00042	.00008

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	.00023	-.00060	-.00067	.00309	-.00209	.00013	-.00034
SDev	.00001	.00015	.00052	.00178	.00252	.00003	.00040
%RSD	5.1817	24.173	78.410	57.685	120.32	25.253	115.61
#1	.00022	-.00050	-.00030	.00183	-.00031	.00011	-.00062
#2	.00024	-.00071	-.00104	.00435	-.00387	.00016	-.00006

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Avge	-.00028	.00619	.00002	.00178	-.00000	.00011	-.00046
SDev	.00029	.00006	.00002	.00017	.00002	.00011	.00127
%RSD	102.28	.94603	141.42	9.6203	65466.	100.87	274.80
#1	-.00008	.00623	.00003	.00191	.00002	.00019	.00044
#2	-.00049	.00615	.00000	.00166	-.00002	.00003	-.00136

Elem	Al3082
Avge	-.01580
SDev	.00021
%RSD	1.3562
#1	-.01565
#2	-.01595

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63882	--	--	--	--	--	--
SDev	195.1615	--	--	--	--	--	--
%RSD	.3055031	--	--	--	--	--	--
#1	64020	--	--	--	--	--	--
#2	63744	--	--	--	--	--	--

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Method: PACE2006 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	ag 2	blank	3417.89	.882981	04/13/09 08:01:20
As1890	189.042	mixstd 3	blank	1846.70	.608258	04/13/09 08:01:20
B_2496	249.678	mixstd 5	blank	10384.2	-1.37942	04/13/09 08:01:20
Ba4934	493.409	mixstd 2	blank	3037.74	-.356387	04/13/09 08:01:20
Be3130	313.042	mixstd 1	blank	542.415	-.416074	04/13/09 08:01:20
Ca3158	315.887	mixstd 4	blank	27617.1	-18.1461	04/13/09 08:01:20
Cd2265	226.502	mixstd 1	blank	350.225	-.238076	04/13/09 08:01:20
Co2286	228.616	mixstd 2	blank	1927.20	-.723778	04/13/09 08:01:20
Cr2677	267.716	mixstd 4	blank	3481.97	-.272179	04/13/09 08:01:20
Cu3247	324.753	mixstd 2	blank	1265.12	-4.04013	04/13/09 08:01:20
Fe2714	271.441	mixstd 2	blank	58224.7	4.11037	04/13/09 08:01:20
K_7664	766.491	mixstd 4	blank	135785.	-9.55818	04/13/09 08:01:20
Mg2790	279.078	mixstd 5	blank	25878.8	-16.5971	04/13/09 08:01:20
Mn2576	257.610	mixstd 1	blank	1489.59	-.116589	04/13/09 08:01:20
Mo2020	202.030	mixstd 3	blank	4654.82	-1.05664	04/13/09 08:01:20
Na3302	330.232	mixstd 4	blank	256559.	154.678	04/13/09 08:01:20
Ni2316	231.604	mixstd 4	blank	870.264	.579671	04/13/09 08:01:20
2203/1	220.351	mixstd 1	blank	497.423	-1.53531	04/13/09 08:01:20
2203/2	220.352	mixstd 1	blank	599.250	1.25461	04/13/09 08:01:20
Sb2068	206.838	mixstd 5	blank	5377.68	-.715818	04/13/09 08:01:20
1960/1	196.021	mixstd 1	blank	4001.22	1.37553	04/13/09 08:01:20
1960/2	196.022	mixstd 1	blank	4075.01	1.15001	04/13/09 08:01:20
Si2881	288.158	mixstd 3	blank	37305.0	-230.956	04/13/09 08:01:20
Sn1899	189.989	mixstd 6	blank	19914.8	-.311071	04/13/09 08:01:20
Ti3372	337.280	mixstd 6	blank	621.436	-1.10881	04/13/09 08:01:20
V_2924	292.402	mixstd 2	blank	7074.92	.000239	04/13/09 08:01:20
Zn2062	206.200	mixstd 1	blank	4603.94	-.503711	04/13/09 08:01:20
Tl1908	190.864	mixstd 5	blank	3165.28	1.46785	04/13/09 08:01:20
Al3082	308.215	mixstd 4	blank	18702.1	295.547	04/13/09 08:01:20
Pb2203	220.353	STD4	STD1-Blank	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	STD4	STD1-Blank	1.00000	.000000	*NOT STANDARDIZED

Method: PACE2006 Sample Name: icvccv Operator:
Run Time: 04/13/09 08:07:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	495.90	1061.4	1003.4	1004.7	1011.9	10305.	1007.0
SDev	1.73	1.3	3.0	.9	.8	2.	.1
%RSD	.34827	.12121	.30366	.08568	.08204	.01650	.01114
#1	497.12	1062.3	1001.3	1005.3	1012.5	10306.	1006.9
#2	494.68	1060.5	1005.6	1004.1	1011.3	10304.	1007.1
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1003.0	1014.1	971.38	10243.	9987.5	10393.	997.06
SDev	.4	.4	.04	7.	10.3	4.	.23
%RSD	.03626	.04336	.00387	.06940	.10267	.03624	.02285
#1	1002.7	1013.8	971.41	10248.	9994.7	10396.	997.22
#2	1003.2	1014.4	971.36	10238.	9980.2	10390.	996.90
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1018.9	10102.	1011.9	1006.4	1001.8	1084.7	1021.4
SDev	1.4	110.	1.9	1.4	.4	3.1	6.4
%RSD	.14223	1.0936	.18734	.13511	.03967	.28245	.62853
#1	1019.9	10180.	1013.3	1007.4	1001.5	1082.6	1016.8
#2	1017.8	10024.	1010.6	1005.5	1002.0	1086.9	1025.9
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1032.5	Q4486.0	1016.8	993.79	1006.4	1010.6	1005.7
SDev	3.5	9.9	3.6	.11	.2	1.2	2.5
%RSD	.33909	.22173	.34964	.01084	.01525	.12131	.24984
#1	1035.0	Q4479.0	1014.3	993.87	1006.5	1009.8	1003.9
#2	1030.0	Q4493.0	1019.3	993.72	1006.3	1011.5	1007.5
Errors	NOCHECK	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	9979.3	1003.	1029.
SDev	7.7	.	.
%RSD	.07671	.0187	.0192
#1	9984.7	1003.	1029.
#2	9973.9	1003.	1029.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63308	--	--	--	--	--	--
SDev	84.14571	--	--	--	--	--	--
%RSD	.1329159	--	--	--	--	--	--
#1	63248	--	--	--	--	--	--
#2	63367	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator:
Run Time: 04/13/09 08:12:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.12951	-.78496	2.9745	-.14111	.19943	-7.0476	-.22699
SDev	.00179	2.13491	.9246	.03433	.01368	.9510	.21801
%RSD	1.3808	271.98	31.085	24.329	6.8581	13.494	96.047
#1	.12824	.72466	3.6283	-.11683	.20910	-6.3752	-.07283
#2	.13077	-2.2946	2.3207	-.16538	.18976	-7.7201	-.38115
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.58909	.16595	.80995	-1.3950	9.6839	-14.676	.20052
SDev	.06479	.15601	.30734	3.8739	.0454	2.635	.05051
%RSD	10.998	94.009	37.946	277.70	.46899	17.954	25.188
#1	-.63490	.27627	1.0273	1.3443	9.7160	-12.813	.23623
#2	-.54328	.05564	.59263	-4.1342	9.6517	-16.539	.16480
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.6374	171.18	-.17467	.98741	-.03963	3.4342	-5.5863
SDev	.6203	74.38	.17279	1.7769	.17048	.4889	.0612
%RSD	37.884	43.455	98.923	179.96	430.20	14.238	1.0957
#1	2.0760	223.77	-.05249	-.26907	-.16018	3.7799	-5.6295
#2	1.1988	118.58	-.29685	2.2439	.08092	3.0884	-5.5430
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.9081	55.682	.95356	.87294	.27892	.11220	-.04247
SDev	1.7091	7.317	.89176	.27452	.07939	.15498	1.86734
%RSD	28.928	13.141	93.519	31.447	28.464	138.14	4397.0
#1	4.6996	60.856	1.5841	1.0671	.33506	.22179	1.2779
#2	7.1166	50.507	.32299	.67883	.22278	.00261	-1.3629
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	7.8391	.3025	2.081
SDev	.1560	.7054	1.160
%RSD	1.9896	233.2	55.77
#1	7.9493	-.1963	1.260
#2	7.7288	.8013	2.901
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63510	--	--	--	--	--	--
SDev	149.9066	--	--	--	--	--	--
%RSD	.2360363	--	--	--	--	--	--
#1	63404	--	--	--	--	--	--
#2	63616	--	--	--	--	--	--

Method: PACE2006 Sample Name: crdl Operator:
Run Time: 04/13/09 08:18:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.681	10.094	154.78	2.7632	9.9812	502.15	.79994
SDev	.481	.614	.73	.0729	.0018	.09	.23294
%RSD	4.5008	6.0788	.46989	2.6366	.01839	.01878	29.120
#1	11.021	9.6601	154.26	2.7117	9.9825	502.22	.63523
#2	10.341	10.528	155.29	2.8147	9.9799	502.08	.96465
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	150.00	3.0000	10.000	500.00	1.0000
Range	50.000	50.000	20.000	50.000	20.000	20.000	50.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.542	21.067	10.690	106.43	4775.4	495.07	10.013
SDev	.117	.432	.132	5.68	6.0	1.38	.016
%RSD	.59907	2.0518	1.2384	5.3406	.12582	.27955	.16212
#1	19.625	21.373	10.784	110.45	4779.7	494.09	10.001
#2	19.459	20.761	10.596	102.41	4771.2	496.05	10.024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	20.000	10.000	100.00	5000.0	500.00	10.000
Range	20.000	20.000	50.000	50.000	20.000	20.000	20.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	30.603	2042.4	39.263	6.5907	5.9061	10.646	4.0785
SDev	.207	20.1	1.377	1.3044	2.5323	2.565	.8988
%RSD	.67628	.98496	3.5078	19.792	42.876	24.097	22.036
#1	30.749	2056.7	40.236	7.5131	4.1155	12.460	3.4430
#2	30.456	2028.2	38.289	5.6684	7.6967	8.8322	4.7140
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	30.000	2000.0	40.000			10.000	
Range	20.000	50.000	20.000			50.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	14.923	46.972	69.584	20.392	30.119	40.646	17.746
SDev	.208	.867	1.884	.299	.127	.066	.930
%RSD	1.3958	1.8465	2.7069	1.4657	.42316	.16265	5.2421
#1	15.071	46.359	68.253	20.604	30.029	40.599	18.404
#2	14.776	47.586	70.916	20.181	30.209	40.693	17.088
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			70.000	20.000	30.000	40.000	20.000
Range			20.000	50.000	20.000	20.000	50.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	207.03	6.134	11.31
SDev	.06	1.255	.16
%RSD	.02957	20.45	1.417
#1	206.98	5.247	11.20
#2	207.07	7.021	11.43
Errors	QC Pass	QC Pass	QC Pass
Value	200.00	6.000	10.00
Range	50.000	50.00	50.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63296	--	--	--	--	--	--
SDev	101.1163	--	--	--	--	--	--
%RSD	.1597527	--	--	--	--	--	--
#1	63367	--	--	--	--	--	--
#2	63224	--	--	--	--	--	--

Method: PACE2006 Sample Name: icsa Operator:
Run Time: 04/13/09 08:24:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.79552	-5.8277	2.7185	1.5760	-1.4692	480390.	Q2.8536
SDev	.04165	.2017	1.1385	.0720	.0107	1436.	.1203
%RSD	5.2353	3.4610	41.882	4.5674	.72593	.29902	4.2167
#1	.76607	-5.9703	3.5235	1.5251	-1.4616	479370.	Q2.7685
#2	.82497	-5.6851	1.9134	1.6269	-1.4767	481400.	Q2.9386
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.00000	.00000	.00000	.00000	.00000	500000.	.00000
Range	10.000	20.000	100.00	20.000	6.0000	100000.	2.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.6256	-1.8269	3.5278	191530.	5.4277	542910.	-5.3484
SDev	.1961	.8059	.2375	227.	11.589	1869.	.1240
%RSD	12.064	44.113	6.7310	.11851	213.51	.34432	2.3187
#1	-1.4869	-1.2570	3.3599	191370.	13.622	541590.	-5.2607
#2	-1.7643	-2.3967	3.6957	191690.	-2.7668	544230.	-5.4360
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	200000.	.00000	500000.	.00000
Range	20.000	10.000	20.000	40000.	500.00	100000.	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.5884	259.86	-1.3115	-10.393	3.4194	-2.1068	-9.8381
SDev	.5675	10.25	.1355	2.548	1.5075	6.7434	5.0701
%RSD	21.924	3.9461	10.330	24.513	44.087	320.08	51.535
#1	2.1871	252.61	-1.2157	-8.5919	2.3534	2.6615	-13.423
#2	2.9896	267.11	-1.4073	-12.195	4.4853	-6.8751	-6.2530
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	40.000	2000.0	20.000			12.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.59455	41.512	16.743	3.0635	-.01104	-9.5277	3.6514
SDev	1.2337	.267	.693	.1929	.16320	.6809	.0225
%RSD	207.50	.64350	4.1383	6.2977	1478.7	7.1469	.61547
#1	1.4669	41.701	17.233	3.2000	-.12644	-10.009	3.6673
#2	-.27779	41.323	16.254	2.9271	.10436	-9.0462	3.6355
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		400.00	20.000	20.000	20.000	20.000	100.00

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	514150.	-1.180	-2.879
SDev	839.	.157	.865
%RSD	.16316	13.31	30.06
#1	513550.	-1.291	-3.491
#2	514740.	-1.069	-2.267
Errors	QC Pass	QC Pass	QC Pass
Value	500000.	.0000	.0000
Range	100000.	10.00	20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	58163	--	--	--	--	--	--
SDev	56.56854	--	--	--	--	--	--
%RSD	.0972586	--	--	--	--	--	--
#1	58123	--	--	--	--	--	--
#2	58203	--	--	--	--	--	--

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ICP Metals 6010B

Section 3: Remaining Sequence Data

** Calibration Verification Standards*
** Calibration Verification Blanks*
** Method Blanks*
** Laboratory Control Samples (LCS)*
** Matrix Spike and Spike Duplicate Samples (MS/MSD)*
** Client Sample Raw Data*

Method: PACE2006 Sample Name: icvccv Operator: frw
Run Time: 04/13/09 09:26:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	498.40	1060.2	1012.6	1003.9	996.74	10332.	1008.8
SDev	.79	6.8	3.1	1.4	2.40	28.	2.5
%RSD	.15892	.63751	.31103	.13476	.24109	.26668	.24679
#1	497.84	1055.4	1010.4	1003.0	995.04	10312.	1007.0
#2	498.96	1065.0	1014.8	1004.9	998.44	10351.	1010.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1004.8	1010.4	975.42	10237.	9971.4	10463.	996.18
SDev	.5	3.3	.20	23.	14.0	14.	1.72
%RSD	.04749	.32978	.02031	.22151	.14088	.13398	.17266
#1	1004.5	1008.0	975.28	10221.	9981.3	10453.	994.96
#2	1005.1	1012.7	975.56	10253.	9961.4	10473.	997.39
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1019.5	10025.	998.84	1009.3	993.15	1084.6	1023.5
SDev	3.3	6.	3.51	6.0	2.44	2.6	10.0
%RSD	.32857	.05864	.35152	.59628	.24553	.23797	.97988
#1	1017.1	10021.	996.36	1005.0	991.42	1082.8	1016.4
#2	1021.9	10029.	1001.3	1013.5	994.87	1086.4	1030.6
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1033.4	Q4445.2	1021.9	990.96	1013.3	1007.4	1001.6
SDev	4.1	19.3	3.8	2.65	2.1	.6	4.9
%RSD	.39907	.43471	.37302	.26713	.21205	.06354	.49106
#1	1030.5	Q4431.6	1019.2	989.09	1011.8	1007.0	998.08
#2	1036.3	Q4458.9	1024.6	992.83	1014.8	1007.9	1005.0
Errors	NOCHECK	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	9910.7	998.5	1030.
SDev	10.0	3.6	6.
%RSD	.10127	.3636	.5912
#1	9903.6	996.0	1026.
#2	9917.8	1001.	1034.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63294	--	--	--	--	--	--
SDev	137.1787	--	--	--	--	--	--
%RSD	.2167326	--	--	--	--	--	--
#1	63197	--	--	--	--	--	--
#2	63391	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator: frw
Run Time: 04/13/09 09:31:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.85626	-1.3311	2.1582	-.18839	.32114	-5.0529	-.02246
SDev	.34354	.5946	1.1449	.03424	.00117	.6403	.25849
%RSD	40.121	44.666	53.048	18.177	.36273	12.673	1151.1
#1	1.0992	-.91071	2.9678	-.16418	.32197	-4.6001	.16033
#2	.61334	-1.7515	1.3487	-.21261	.32032	-5.5057	-.20524
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.17842	.30502	1.0861	-2.7962	16.191	-12.541	.26069
SDev	.47322	.04051	.4478	1.9319	9.149	3.167	.10005
%RSD	265.23	13.281	41.231	69.090	56.504	25.254	38.377
#1	.15620	.33366	1.4028	-1.4302	22.660	-10.302	.33143
#2	-.51304	.27637	.76946	-4.1623	9.7220	-14.781	.18995
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.92916	341.42	.46350	3.0224	1.4916	1.9575	-4.1238
SDev	.58004	39.78	1.1770	.9972	.4214	3.2989	.0105
%RSD	62.426	11.651	253.93	32.995	28.254	168.52	.25528
#1	1.3393	313.29	1.2957	3.7276	1.1936	-.37513	-4.1313
#2	.51901	369.54	-.36873	2.3173	1.7896	4.2902	-4.1164
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.3449	41.569	.79411	1.4196	.22359	.69521	-1.1534
SDev	1.1291	6.734	1.1191	.4976	.47442	.46065	.5266
%RSD	25.987	16.199	140.92	35.050	212.18	66.261	45.654
#1	3.5465	46.331	.00283	1.7714	.55906	.36948	-.78106
#2	5.1432	36.808	1.5854	1.0677	-.11187	1.0209	-1.5258
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	13.541	2.002	1.525
SDev	.515	.051	.757
%RSD	3.8004	2.547	49.62
#1	13.905	2.038	.9899
#2	13.177	1.965	2.060
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	63301	--	--	--	--	--	--
SDev	117.3797	--	--	--	--	--	--
%RSD	.1854311	--	--	--	--	--	--
#1	63218	--	--	--	--	--	--
#2	63384	--	--	--	--	--	--

Method: PACE2006 Sample Name: 286084 Operator: frw
Run Time: 04/13/09 10:22:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.08790	L-1.4937	2.9877	L-.06411	L.29306	L.68033	L-.29212
SDev	.35021	.6665	.8378	.00052	.00497	.28006	.01191
%RSD	398.42	44.621	28.041	.81671	1.6949	41.165	4.0754
#1	L-.15974	L-1.0224	3.5801	L-.06374	L.28955	L.48230	L-.30054
#2	L.33553	L-1.9650	L2.3953	L-.06448	L.29657	L.87837	L-.28371
Errors	LC Low	LC Low	LC Pass	LC Low	LC Low	LC Low	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L-.54022	L.14617	1.3053	L2.2372	L4.5910	L-8.1619	.36063
SDev	.26222	.35461	.0239	1.3194	4.5937	1.1696	.06669
%RSD	48.540	242.61	1.8281	58.976	100.06	14.331	18.492
#1	L-.72564	L-.10458	1.3221	L1.3042	L1.3428	L-8.9890	.31348
#2	L-.35480	L.39691	L1.2884	L3.1702	L7.8392	L-7.3348	.40779
Errors	LC Low	LC Low	LC Pass	LC Low	LC Low	LC Low	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.59374	263.86	L-.76713	.09183	.77209	L.83664	-4.1124
SDev	.68095	20.27	.63850	.34820	1.5017	.12436	2.5960
%RSD	114.69	7.6804	83.233	379.16	194.50	14.864	63.125
#1	L.11224	249.53	L-.31564	-.15438	-.28976	L.92458	-5.9481
#2	L1.0752	278.19	L-1.2186	.33805	1.8339	L.74870	-2.2768
Errors	LC Low	LC Pass	LC Low	NOCHECK	NOCHECK	LC Low	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.4330	37.915	L2.4057	.82950	L.05643	L1.7476	L-2.5383
SDev	.9351	.051	.2208	.10917	.08048	.0566	.1341
%RSD	12.581	.13403	9.1773	13.161	142.61	3.2365	5.2830
#1	8.0942	37.951	L2.2496	.90670	L-.00048	L1.7876	L-2.4435
#2	6.7718	37.879	L2.5618	.75231	L.11334	L1.7076	L-2.6332
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Low	LC Low	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	L-14.852	L.5457	L3.588
SDev	1.994	1.118	.241
%RSD	13.425	204.8	6.708
#1	L-13.442	L-.2445	L3.418
#2	L-16.262	L1.336	L3.759
Errors	LC Low	LC Low	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62361	--	--	--	--	--	--
SDev	111.7229	--	--	--	--	--	--
%RSD	.1791550	--	--	--	--	--	--
#1	62282	--	--	--	--	--	--
#2	62440	--	--	--	--	--	--

Method: PACE2006 Sample Name: 286085 Operator: frw
Run Time: 04/13/09 10:28:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	525.59	1126.7	1073.5	1059.4	1072.3	10941.	1076.9
SDev	.79	.8	.9	1.5	7.1	24.	2.5
%RSD	.15011	.06826	.08158	.14238	.65916	.21794	.23486
#1	526.15	1126.2	1072.8	1060.5	1067.3	10924.	1075.1
#2	525.03	1127.3	1074.1	1058.4	1077.3	10958.	1078.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1067.3	1078.5	1033.4	10908.	9315.4	11185.	1058.3
SDev	1.6	2.8	.9	45.	39.2	38.	.7
%RSD	.15374	.25949	.09083	.41268	.42063	.33743	.06553
#1	1066.1	1076.6	1034.0	10876.	9343.2	11158.	1057.8
#2	1068.5	1080.5	1032.7	10940.	9287.7	11211.	1058.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1073.9	10173.	1059.2	1074.0	1057.8	1143.8	1079.5
SDev	2.0	156.	2.9	3.1	9.0	4.6	4.3
%RSD	.18970	1.5303	.27503	.28826	.85538	.40555	.39632
#1	1072.5	10063.	1057.1	1071.8	1051.4	1140.5	1076.5
#2	1075.4	10283.	1061.2	1076.1	1064.2	1147.1	1082.6
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1089.4	4543.0	1095.1	1043.6	1073.2	1072.3	1075.2
SDev	11.2	6.4	6.2	2.4	.1	.4	11.1
%RSD	1.0240	.14131	.56339	.22595	.01326	.04186	1.0358
#1	1081.5	4538.4	1090.7	1041.9	1073.1	1072.6	1067.3
#2	1097.3	4547.5	1099.4	1045.2	1073.3	1071.9	1083.0
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10379.	1063.	1086.
SDev	17.	7.	9.
%RSD	.16048	.6646	.8163
#1	10367.	1058.	1080.
#2	10391.	1068.	1092.
Errors	LC Pass	LC Pass	LC Pass
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61564	--	--	--	--	--	--
SDev	50.20458	--	--	--	--	--	--
%RSD	.0815479	--	--	--	--	--	--
#1	61600	--	--	--	--	--	--
#2	61529	--	--	--	--	--	--

Method: PACE2006 Sample Name: icvccv Operator: frw
Run Time: 04/13/09 10:34:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	509.28	1092.2	1041.8	1016.8	1042.3	10551.	1039.7
SDev	1.24	3.2	4.6	3.1	4.4	42.	5.3
%RSD	.24445	.29618	.43706	.30361	.42265	.40044	.51324
#1	508.40	1089.9	1038.6	1014.6	1039.2	10521.	1035.9
#2	510.16	1094.5	1045.0	1019.0	1045.5	10581.	1043.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1021.2	1034.3	991.00	10529.	Q8964.7	10778.	1014.9
SDev	5.1	3.8	4.01	30.	43.6	43.	3.8
%RSD	.50033	.37113	.40495	.28830	.48616	.39584	.37705
#1	1017.6	1031.6	988.16	10508.	Q8933.9	10748.	1012.1
#2	1024.8	1037.0	993.84	10551.	Q8995.5	10808.	1017.6
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1039.7	9859.4	1029.4	1038.5	1026.7	Q1104.6	1038.9
SDev	4.8	7.4	5.7	5.0	1.7	3.5	14.6
%RSD	.46197	.07465	.55019	.48458	.16326	.31394	1.4075
#1	1036.3	9864.6	1025.4	1035.0	1025.5	Q1102.2	1028.6
#2	1043.1	9854.2	1033.4	1042.1	1027.9	Q1107.1	1049.3
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1048.9	4591.4	1065.7	1007.2	1027.9	1025.5	1043.9
SDev	10.7	21.9	5.6	3.7	5.0	3.5	4.1
%RSD	1.0156	.47694	.52613	.37013	.48582	.33930	.39588
#1	1041.3	4576.0	1061.7	1004.6	1024.3	1023.1	1040.9
#2	1056.4	4606.9	1069.7	1009.9	1031.4	1028.0	1046.8
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10022.	1031.	1046.
SDev	45.	3.	12.
%RSD	.45253	.2711	1.145
#1	9990.1	1029.	1037.
#2	10054.	1033.	1054.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62216	--	--	--	--	--	--
SDev	195.1615	--	--	--	--	--	--
%RSD	.3136837	--	--	--	--	--	--
#1	62354	--	--	--	--	--	--
#2	62078	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator: frw
Run Time: 04/13/09 10:39:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.74577	-2.0195	4.8043	-.16101	.38272	-5.4828	-.11756
SDev	.58272	.7750	.1091	.06920	.09316	.9464	.13082
%RSD	78.136	38.376	2.2711	42.980	24.341	17.260	111.29
#1	.33373	-2.5675	4.7271	-.20995	.31685	-6.1520	-.21006
#2	1.1578	-1.4715	4.8814	-.11208	.44860	-4.8136	-.02505
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.38562	.31512	1.1862	-2.9215	11.184	-11.882	.21774
SDev	.43797	.11877	.0243	7.2747	7.733	1.836	.10214
%RSD	113.58	37.690	2.0460	249.01	69.140	15.450	46.911
#1	-.69531	.23114	1.2033	-8.0654	5.7161	-13.180	.14551
#2	-.07592	.39910	1.1690	2.2225	16.652	-10.584	.28997
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0588	254.21	-.26065	.05194	.34395	3.6516	-2.9979
SDev	.5414	134.41	.49440	.45926	1.2144	2.1426	2.9081
%RSD	26.298	52.875	189.68	884.22	353.06	58.676	97.006
#1	2.4416	159.17	.08894	-.27280	1.2026	2.1365	-5.0543
#2	1.6759	349.26	-.61024	.37668	-.51472	5.1666	-.94155
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.5326	49.996	2.2594	1.3740	.28450	.49485	1.1459
SDev	2.9590	3.628	.4441	.1783	.08006	.05282	.3210
%RSD	45.295	7.2559	19.655	12.980	28.139	10.673	28.013
#1	8.6249	52.561	2.5734	1.2479	.22789	.45750	.91892
#2	4.4403	47.431	1.9454	1.5001	.34111	.53220	1.3729
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	-43.918	.2468	3.359
SDev	1.469	.6570	1.005
%RSD	3.3454	266.2	29.93
#1	-44.957	.7114	4.070
#2	-42.879	-.2178	2.648
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62200	--	--	--	--	--	--
SDev	43.13351	--	--	--	--	--	--
%RSD	.0693459	--	--	--	--	--	--
#1	62231	--	--	--	--	--	--
#2	62170	--	--	--	--	--	--

Method: PACE2006 Sample Name: crdl Operator: frw
Run Time: 04/13/09 10:46:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.675	9.0754	161.39	2.8803	10.450	513.08	.59662
SDev	.171	2.3192	.17	.0614	.011	.91	.00599
%RSD	1.6034	25.555	.10340	2.1334	.10183	.17701	1.0036
#1	10.554	7.4355	161.51	2.8369	10.442	512.44	.60085
#2	10.796	10.715	161.27	2.9238	10.457	513.72	.59238
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	150.00	3.0000	10.000	500.00	1.0000
Range	50.000	50.000	20.000	50.000	20.000	20.000	50.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.736	20.774	11.941	103.77	4208.2	514.10	10.130
SDev	.456	.227	.134	1.58	4.1	1.68	.026
%RSD	2.3107	1.0922	1.1244	1.5203	.09751	.32633	.25622
#1	19.414	20.614	11.846	104.89	4211.1	512.91	10.112
#2	20.059	20.935	12.036	102.66	4205.3	515.29	10.148
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	20.000	10.000	100.00	5000.0	500.00	10.000
Range	20.000	20.000	50.000	50.000	20.000	20.000	20.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	31.053	1884.9	39.393	4.8654	7.9812	13.371	7.8163
SDev	.555	36.8	.332	2.4320	.3893	.525	2.2679
%RSD	1.7863	1.9534	.84343	49.986	4.8780	3.9273	29.015
#1	30.661	1858.9	39.628	6.5851	7.7059	13.743	6.2126
#2	31.446	1911.0	39.158	3.1457	8.2565	13.000	9.4200
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	30.000	2000.0	40.000			10.000	
Range	20.000	50.000	20.000			50.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.642	40.412	72.243	20.687	30.664	41.993	20.092
SDev	5.733	.234	.406	.032	.006	.314	2.377
%RSD	36.652	.57849	.56212	.15452	.02010	.74856	11.829
#1	11.588	40.577	72.530	20.710	30.659	42.215	18.412
#2	19.696	40.247	71.956	20.665	30.668	41.771	21.773
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			70.000	20.000	30.000	40.000	20.000
Range			20.000	50.000	20.000	20.000	50.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	159.65	6.944	13.04
SDev	4.60	.550	4.58
%RSD	2.8832	7.923	35.13
#1	156.39	7.333	9.798
#2	162.90	6.555	Q16.27
Errors	QC Pass	QC Pass	QC Pass
Value	200.00	6.000	10.00
Range	50.000	50.00	50.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61941	--	--	--	--	--	--
SDev	151.3209	--	--	--	--	--	--
%RSD	.2442984	--	--	--	--	--	--
#1	61834	--	--	--	--	--	--
#2	62048	--	--	--	--	--	--

Method: PACE2006 Standard: mixstd 3
Run Time: 04/13/09 10:53:33

Elem	As1890	Mo2020	Si2881
Avge	5.9130	.45935	.28099
SDev	.0878	.00636	.00207
%RSD	1.4853	1.3839	.73654
#1	5.9751	.46385	.28245
#2	5.8509	.45486	.27952

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61004	--	--	--	--	--	--
SDev	879.6408	--	--	--	--	--	--
%RSD	1.441940	--	--	--	--	--	--
#1	60382	--	--	--	--	--	--
#2	61626	--	--	--	--	--	--

Standardization Report 04/13/09 10:58:39 AM page 1

Method: PACE2006 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	ag 2	blank	3417.89	.882981	04/13/09 10:53:33
As1890	189.042	mixstd 3	blank	1691.15	.557022	04/13/09 10:53:33
B_2496	249.678	mixstd 5	blank	10384.2	-1.37942	04/13/09 10:53:33
Ba4934	493.409	mixstd 2	blank	3037.74	-.356387	04/13/09 10:53:33
Be3130	313.042	mixstd 1	blank	542.415	-.416074	04/13/09 10:53:33
Ca3158	315.887	mixstd 4	blank	27617.1	-18.1461	04/13/09 10:53:33
Cd2265	226.502	mixstd 1	blank	350.225	-.238076	04/13/09 10:53:33
Co2286	228.616	mixstd 2	blank	1927.20	-.723778	04/13/09 10:53:33
Cr2677	267.716	mixstd 4	blank	3481.97	-.272179	04/13/09 10:53:33
Cu3247	324.753	mixstd 2	blank	1265.12	-4.04013	04/13/09 10:53:33
Fe2714	271.441	mixstd 2	blank	58224.7	4.11037	04/13/09 10:53:33
K_7664	766.491	mixstd 4	blank	135785.	-9.55818	04/13/09 10:53:33
Mg2790	279.078	mixstd 5	blank	25878.8	-16.5971	04/13/09 10:53:33
Mn2576	257.610	mixstd 1	blank	1489.59	-.116589	04/13/09 10:53:33
Mo2020	202.030	mixstd 3	blank	4356.11	-.988833	04/13/09 10:53:33
Na3302	330.232	mixstd 4	blank	256559.	154.678	04/13/09 10:53:33
Ni2316	231.604	mixstd 4	blank	870.264	.579671	04/13/09 10:53:33
2203/1	220.351	mixstd 1	blank	497.423	-1.53531	04/13/09 10:53:33
2203/2	220.352	mixstd 1	blank	599.250	1.25461	04/13/09 10:53:33
Sb2068	206.838	mixstd 5	blank	5377.68	-.715818	04/13/09 10:53:33
1960/1	196.021	mixstd 1	blank	4001.22	1.37553	04/13/09 10:53:33
1960/2	196.022	mixstd 1	blank	4075.01	1.15001	04/13/09 10:53:33
Si2881	288.158	mixstd 3	blank	36347.4	-225.027	04/13/09 10:53:33
Sn1899	189.989	mixstd 6	blank	19914.8	-.311071	04/13/09 10:53:33
Ti3372	337.280	mixstd 6	blank	621.436	-1.10881	04/13/09 10:53:33
V_2924	292.402	mixstd 2	blank	7074.92	.000239	04/13/09 10:53:33
Zn2062	206.200	mixstd 1	blank	4603.94	-.503711	04/13/09 10:53:33
Tl1908	190.864	mixstd 5	blank	3165.28	1.46785	04/13/09 10:53:33
Al3082	308.215	mixstd 4	blank	18702.1	295.547	04/13/09 10:53:33
Pb2203	220.353	STD4	STD1-Blank	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.026	STD4	STD1-Blank	1.00000	.000000	*NOT STANDARDIZED

Method: PACE2006 Sample Name: icvccv Operator: frw
Run Time: 04/13/09 10:58:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	512.03	997.10	1046.1	1022.5	1024.9	10592.	1041.4
SDev	.57	4.35	4.9	2.2	1.9	21.	2.5
%RSD	.11121	.43676	.46903	.21649	.18419	.19389	.23839
#1	511.63	994.02	1042.6	1020.9	1023.5	10578.	1039.6
#2	512.44	1000.2	1049.6	1024.1	1026.2	10607.	1043.1
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1029.9	1036.3	998.49	10531.	Q8883.2	10833.	1021.0
SDev	1.1	2.4	2.59	31.	5.2	25.	2.2
%RSD	.10335	.23104	.25962	.29307	.05855	.22870	.21533
#1	1029.1	1034.6	996.66	10509.	Q8886.9	10815.	1019.4
#2	1030.6	1038.0	1000.3	10553.	Q8879.6	10850.	1022.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	968.69	10004.	1015.4	1040.2	1018.8	Q1107.7	1042.6
SDev	3.78	.	4.5	2.1	.8	.0	1.7
%RSD	.38980	.00383	.44627	.19715	.07379	.00356	.15947
#1	966.02	10005.	1012.2	1038.7	1018.3	Q1107.7	1043.8
#2	971.36	10004.	1018.6	1041.6	1019.3	Q1107.7	1041.4
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1052.9	4559.1	1062.6	1006.0	1037.4	1034.3	1037.5
SDev	3.7	.9	.0	2.0	2.9	4.8	2.8
%RSD	.34928	.01930	.00229	.19426	.27782	.46142	.27336
#1	1050.3	4558.5	1062.6	1004.6	1035.4	1030.9	1035.5
#2	1055.5	4559.7	1062.6	1007.4	1039.5	1037.7	1039.5
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	9979.1	1026.	1049.
SDev	17.1	1.	2.
%RSD	.17122	.1154	.1810
#1	9967.1	1025.	1048.
#2	9991.2	1027.	1051.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61984	--	--	--	--	--	--
SDev	25.45585	--	--	--	--	--	--
%RSD	.0410684	--	--	--	--	--	--
#1	61966	--	--	--	--	--	--
#2	62002	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator: frw
Run Time: 04/13/09 11:04:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.99278	-.88360	3.1141	-.16098	.54423	-3.9257	-.01592
SDev	.15536	2.22917	.5853	.00021	.01089	1.2721	.08409
%RSD	15.649	252.28	18.795	.12976	2.0013	32.404	528.25
#1	.88292	.69266	3.5280	-.16083	.53653	-3.0262	.04354
#2	1.1026	-2.4599	2.7002	-.16113	.55193	-4.8252	-.07538
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.07980	.28734	1.5949	-3.8659	12.285	-12.516	.30250
SDev	.17533	.15833	.3797	4.6505	12.376	.307	.05091
%RSD	219.71	55.101	23.806	120.30	100.74	2.4550	16.831
#1	.20378	.39929	1.8634	-7.1543	21.037	-12.299	.33850
#2	-.04417	.17538	1.3264	-.57747	3.5343	-12.733	.26650
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.4529	241.84	-.50414	1.7850	.00451	3.2650	-1.5209
SDev	.5466	17.73	1.11729	1.8403	.32693	3.6738	1.2777
%RSD	22.284	7.3302	221.63	103.10	7243.9	112.52	84.010
#1	2.8395	254.38	.28591	3.0863	-.22666	5.8627	-2.4244
#2	2.0664	229.31	-1.2942	.48370	.23569	.66726	-.61743
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	6.7704	71.019	1.9388	1.1899	.34181	.71756	1.4539
SDev	3.9468	8.994	.4411	.3134	.00048	.57703	4.3566
%RSD	58.295	12.664	22.750	26.337	.14143	80.415	299.65
#1	9.5612	77.379	1.6269	1.4115	.34215	1.1256	4.5345
#2	3.9796	64.659	2.2507	.96833	.34147	.30954	-1.6267
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	-23.120	.5976	4.009
SDev	1.155	.3948	2.207
%RSD	4.9966	66.06	55.05
#1	-22.303	.8767	5.570
#2	-23.936	.3184	2.449
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	62182	--	--	--	--	--	--
SDev	66.46804	--	--	--	--	--	--
%RSD	.1068927	--	--	--	--	--	--
#1	62135	--	--	--	--	--	--
#2	62229	--	--	--	--	--	--

Method: PACE2006 Sample Name: crdl Operator: frw
Run Time: 04/13/09 11:10:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	10.489	9.6138	160.43	2.8094	10.454	513.75	.87081
SDev	.230	.7727	1.98	.0076	.111	5.18	.12597
%RSD	2.1948	8.0370	1.2323	.27108	1.0651	1.0086	14.466
#1	10.326	9.0675	161.83	2.8040	10.533	517.42	.78174
#2	10.651	10.160	159.03	2.8148	10.375	510.09	.95989
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	150.00	3.0000	10.000	500.00	1.0000
Range	50.000	50.000	20.000	50.000	20.000	20.000	50.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	20.144	20.822	11.945	104.77	4190.9	516.97	10.188
SDev	.355	.261	.006	8.45	31.3	2.49	.139
%RSD	1.7622	1.2518	.05119	8.0651	.74664	.48147	1.3634
#1	20.395	21.006	11.949	98.798	4213.0	518.73	10.286
#2	19.893	20.637	11.940	110.75	4168.8	515.21	10.090
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	20.000	20.000	10.000	100.00	5000.0	500.00	10.000
Range	20.000	20.000	50.000	50.000	20.000	20.000	20.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	29.046	2141.1	40.283	6.3408	8.4072	11.066	7.7321
SDev	.259	2.2	1.380	.0172	.1920	3.032	1.1061
%RSD	.89038	.10118	3.4266	.27122	2.2836	27.402	14.306
#1	29.229	2142.7	39.307	6.3529	8.5430	8.9219	8.5142
#2	28.863	2139.6	41.259	6.3286	8.2715	13.210	6.9499
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	30.000	2000.0	40.000			10.000	
Range	20.000	50.000	20.000			50.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	15.977	54.857	71.010	20.556	30.688	41.621	18.057
SDev	3.693	5.289	.373	.363	.182	.623	.321
%RSD	23.113	9.6419	.52508	1.7654	.59263	1.4979	1.7791
#1	13.366	58.597	71.274	20.813	30.817	42.062	18.284
#2	18.588	51.116	70.746	20.299	30.560	41.180	17.829
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			70.000	20.000	30.000	40.000	20.000
Range			20.000	50.000	20.000	20.000	50.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	169.96	7.719	13.23
SDev	2.14	.134	2.09
%RSD	1.2599	1.733	15.83
#1	168.45	7.814	11.75
#2	171.48	7.625	14.71
Errors	QC Pass	QC Pass	QC Pass
Value	200.00	6.000	10.00
Range	50.000	50.00	50.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61890	--	--	--	--	--	--
SDev	529.6230	--	--	--	--	--	--
%RSD	.8557420	--	--	--	--	--	--
#1	61516	--	--	--	--	--	--
#2	62265	--	--	--	--	--	--

Method: PACE2006 Sample Name: icsa Operator: frw
Run Time: 04/13/09 11:15:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.76256	-2.6744	2.5707	1.6385	-1.2517	498090.	Q2.9071
SDev	.17135	1.2694	.5195	.1557	.0071	144.	.2938
%RSD	22.470	47.464	20.207	9.5037	.56485	.02892	10.106
#1	.88372	-1.7768	2.9380	1.7486	-1.2467	498190.	Q3.1149
#2	.64140	-3.5719	2.2034	1.5284	-1.2567	497980.	Q2.6994
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail
Value	.00000	.00000	.00000	.00000	.00000	500000.	.00000
Range	10.000	20.000	100.00	20.000	6.0000	100000.	2.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-1.7493	-1.4242	4.4957	199490.	-1.2287	570280.	-5.7957
SDev	.4149	.3926	.1077	80.	11.9478	282.	.0578
%RSD	23.718	27.567	2.3958	.03993	972.44	.04950	.99686
#1	-1.4559	-1.1466	4.5719	199540.	7.2197	570480.	-5.7549
#2	-2.0427	-1.7018	4.4196	199430.	-9.6770	570080.	-5.8366
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	200000.	.00000	500000.	.00000
Range	20.000	10.000	20.000	40000.	500.00	100000.	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.5018	349.21	-1.3803	-1.3542	-.55155	-5.9205	-9.9884
SDev	.2377	180.28	1.2215	2.0898	1.29597	1.1453	5.7430
%RSD	15.829	51.626	88.500	154.32	234.97	19.344	57.496
#1	1.3337	476.69	-.51650	-2.8319	.36484	-5.1107	-14.049
#2	1.6699	221.73	-2.2440	.12354	-1.4679	-6.7303	-5.9275
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	40.000	2000.0	20.000			12.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.9745	45.758	16.427	3.1759	.12503	-9.8188	1.5828
SDev	4.9329	2.262	5.241	.0771	.44974	.2467	.2048
%RSD	82.566	4.9431	31.903	2.4284	359.71	2.5122	12.938
#1	9.4625	47.357	Q20.133	3.2305	.44304	-9.9932	1.7276
#2	2.4864	44.158	12.721	3.1214	-.19299	-9.6444	1.4380
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		400.00	20.000	20.000	20.000	20.000	100.00

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	524570.	-.8187	.6590
SDev	396.	.1685	1.378
%RSD	.07551	20.58	209.1
#1	524850.	-.6995	1.633
#2	524290.	-.9378	-.3153
Errors	QC Pass	QC Pass	QC Pass
Value	500000.	.0000	.0000
Range	100000.	10.00	20.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	56346	--	--	--	--	--	--
SDev	91.21677	--	--	--	--	--	--
%RSD	.1618854	--	--	--	--	--	--
#1	56282	--	--	--	--	--	--
#2	56411	--	--	--	--	--	--

Method: PACE2006 Sample Name: icvccv Operator: frw
Run Time: 04/13/09 12:07:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	522.60	1021.0	1065.7	1038.5	1067.9	10919.	1076.6
SDev	1.97	7.5	4.3	3.3	3.8	52.	4.3
%RSD	.37747	.73573	.40216	.31698	.35781	.48018	.39699
#1	521.21	1015.7	1062.7	1036.2	1065.2	10882.	1073.6
#2	524.00	1026.3	1068.8	1040.8	1070.6	10956.	1079.6
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1054.7	1066.3	1018.6	10962.	Q8643.6	Q11184.	1051.9
SDev	4.7	4.3	3.6	53.	36.2	52.	4.3
%RSD	.44721	.40414	.35507	.48336	.41933	.46879	.40761
#1	1051.3	1063.2	1016.0	10924.	Q8618.0	Q11147.	1048.9
#2	1058.0	1069.3	1021.1	10999.	Q8669.3	Q11221.	1055.0
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	992.62	10136.	1049.1	1070.8	1055.9	Q1130.7	1062.3
SDev	6.06	55.	1.2	.9	6.3	9.7	.3
%RSD	.61076	.54722	.11182	.08538	.59395	.85955	.02989
#1	988.33	10097.	1048.3	1071.4	1051.4	Q1123.8	1062.1
#2	996.91	10175.	1050.0	1070.1	1060.3	Q1137.6	1062.6
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1072.9	4655.1	Q1104.2	1029.0	1061.1	1064.7	1071.3
SDev	4.5	25.4	3.8	4.6	4.3	3.8	5.4
%RSD	.41839	.54541	.34631	.44661	.40416	.35896	.50046
#1	1069.8	4637.1	Q1101.5	1025.7	1058.1	1062.0	1067.6
#2	1076.1	4673.0	Q1107.0	1032.2	1064.2	1067.4	1075.1
Errors	NOCHECK	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10202.	1061.	1069.
SDev	40.	4.	3.
%RSD	.39280	.3656	.2899
#1	10174.	1058.	1067.
#2	10230.	1064.	1072.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60876	--	--	--	--	--	--
SDev	132.9361	--	--	--	--	--	--
%RSD	.2183719	--	--	--	--	--	--
#1	60970	--	--	--	--	--	--
#2	60782	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator: frw
Run Time: 04/13/09 12:13:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.57788	-2.1774	2.5012	.03821	.70313	-2.2199	.10877
SDev	.11664	.9223	.1162	.00140	.02927	.3747	.29875
%RSD	20.184	42.358	4.6473	3.6757	4.1634	16.879	274.67
#1	.66035	-2.8295	2.4190	.03920	.72383	-1.9549	.32002
#2	.49540	-1.5252	2.5834	.03722	.68243	-2.4848	-.10248
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.46014	.57491	1.9991	-2.5163	12.501	-10.385	.42634
SDev	.19988	.31732	.3120	1.3086	6.315	2.078	.05323
%RSD	43.440	55.196	15.608	52.004	50.511	20.010	12.486
#1	-.31880	.35053	2.2197	-1.5910	16.966	-11.854	.46398
#2	-.60148	.79929	1.7784	-3.4416	8.0363	-8.9156	.38870
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.1456	221.67	-.44480	1.7446	1.5510	2.9141	-6.1474
SDev	.6623	40.84	.44599	4.2735	2.1534	3.0382	7.5989
%RSD	57.814	18.423	100.27	244.96	138.83	104.26	123.61
#1	1.6139	192.80	-.12944	4.7664	.02837	5.0624	-.77423
#2	.67728	250.55	-.76016	-1.2773	3.0737	.76575	-11.521
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.8986	53.811	1.7985	1.3281	.57382	.69048	-.06326
SDev	1.0595	8.928	.2446	.0443	.16019	.62984	3.63162
%RSD	21.628	16.592	13.603	3.3393	27.916	91.218	5741.2
#1	4.1494	60.124	1.9715	1.3594	.46055	.24512	2.5047
#2	5.6477	47.498	1.6255	1.2967	.68709	1.1358	-2.6312
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	-47.916	1.616	1.220
SDev	2.501	.013	1.824
%RSD	5.2187	.8182	149.4
#1	-49.684	1.606	2.510
#2	-46.148	1.625	-.0692
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61587	--	--	--	--	--	--
SDev	219.2031	--	--	--	--	--	--
%RSD	.3559243	--	--	--	--	--	--
#1	61432	--	--	--	--	--	--
#2	61742	--	--	--	--	--	--

Method: PACE2006 Sample Name: icvccv Operator: frw
Run Time: 04/13/09 13:15:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	525.05	1021.7	1079.1	1043.4	1051.5	10988.	1077.5
SDev	4.82	6.4	6.3	9.0	10.1	111.	9.7
%RSD	.91846	.63026	.58035	.86219	.96180	1.0101	.90147
#1	521.64	1017.2	1074.7	1037.0	1044.4	10909.	1070.6
#2	528.46	1026.3	1083.5	1049.8	1058.7	Q11066.	1084.4
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1061.1	1053.7	1034.4	10953.	Q8517.6	Q11183.	1058.1
SDev	10.9	12.4	8.8	124.	60.9	126.	10.2
%RSD	1.0247	1.1733	.85547	1.1287	.71488	1.1238	.96875
#1	1053.4	1045.0	1028.1	10866.	Q8474.5	Q11095.	1050.8
#2	1068.8	1062.5	1040.6	Q11041.	Q8560.6	Q11272.	1065.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Fail	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	993.84	10102.	1032.2	1074.2	1044.2	Q1132.6	1064.5
SDev	13.20	188.	9.1	14.2	13.8	15.5	12.1
%RSD	1.3283	1.8563	.88581	1.3202	1.3182	1.3719	1.1371
#1	984.51	9968.9	1025.7	1064.2	1034.4	Q1121.6	1055.9
#2	1003.2	10234.	1038.7	1084.2	1053.9	Q1143.6	1073.0
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1080.6	4907.4	Q1106.7	1028.0	1072.4	1062.3	1076.2
SDev	17.2	29.9	9.6	9.9	10.2	9.6	13.2
%RSD	1.5908	.60926	.86580	.96300	.94983	.90039	1.2275
#1	1068.4	4886.3	1100.0	1021.0	1065.2	1055.5	1066.8
#2	1092.7	4928.6	Q1113.5	1035.0	1079.6	1069.1	1085.5
Errors	NOCHECK	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10171.	1054.	1075.
SDev	96.	14.	15.
%RSD	.94119	1.319	1.441
#1	10103.	1044.	1064.
#2	10238.	1064.	1086.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60624	--	--	--	--	--	--
SDev	613.0616	--	--	--	--	--	--
%RSD	1.011261	--	--	--	--	--	--
#1	61057	--	--	--	--	--	--
#2	60190	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator: frw
Run Time: 04/13/09 13:21:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.04840	-.44670	4.6738	.11382	.94095	-1.0419	.17766
SDev	.70707	2.43287	.5755	.10587	.00364	1.3069	.18590
%RSD	1461.0	544.63	12.313	93.014	.38643	125.43	104.64
#1	.54837	1.2736	5.0808	.18868	.93838	-.11779	.30911
#2	-.45157	-2.1670	4.2669	.03896	.94352	-1.9660	.04621
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	-.20915	.46527	2.5134	3.6260	13.681	-9.7448	.58533
SDev	.15551	.40267	.2750	4.6846	14.121	1.2554	.03548
%RSD	74.353	86.545	10.940	129.20	103.21	12.883	6.0620
#1	-.09919	.75000	2.7078	6.9385	23.666	-8.8571	.61042
#2	-.31911	.18054	2.3189	.31347	3.6963	-10.633	.56024
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.9011	188.56	.16913	2.2218	2.2089	2.3499	-7.9460
SDev	.8979	100.72	.48115	1.1698	.6955	1.1087	.5710
%RSD	47.230	53.419	284.48	52.652	31.486	47.182	7.1858
#1	2.5360	259.78	.50936	3.0490	1.7171	1.5659	-8.3497
#2	1.2662	117.34	-.17109	1.3946	2.7007	3.1339	-7.5422
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	5.3220	103.56	1.3193	1.5741	.46071	.88350	-.38011
SDev	1.3477	17.36	1.8358	.2771	.00094	.47945	.43801
%RSD	25.323	16.767	139.15	17.604	.20478	54.267	115.23
#1	4.3691	115.84	2.6175	1.7700	.46138	1.2225	-.07039
#2	6.2750	91.283	.02118	1.3781	.46005	.54448	-.68983
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	-45.824	2.213	.9039
SDev	1.720	.074	1.089
%RSD	3.7525	3.359	120.5
#1	-44.608	2.161	.1338
#2	-47.040	2.266	1.674
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61388	--	--	--	--	--	--
SDev	116.6726	--	--	--	--	--	--
%RSD	.1900592	--	--	--	--	--	--
#1	61305	--	--	--	--	--	--
#2	61470	--	--	--	--	--	--

Method: PACE2006 Sample Name: 5025166014 Operator: frw
Run Time: 04/13/09 13:28:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.50345	L-.10041	737.56	116.06	L.60298	100530.	L.05112
SDev	.03972	1.00635	.88	.02	.03226	17.	.13903
%RSD	7.8896	1002.2	.11963	.01661	5.3508	.01679	271.94
#1	L.53154	L.61119	736.94	116.05	L.62579	100540.	L.14943
#2	L.47537	L-.81201	738.18	116.07	L.58016	100520.	L-.04718
Errors	LC Low	LC Low	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.06876	L.41700	9.6132	438.67	8072.8	46737.	98.087
SDev	.15842	.24413	.3783	.49	2.0	14.	.062
%RSD	230.39	58.544	3.9348	.11140	.02477	.02925	.06277
#1	L-.04326	L.58963	9.3457	438.32	8074.2	46728.	98.130
#2	L.18079	L.24438	9.8806	439.01	8071.4	46747.	98.043
Errors	LC Low	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	18.048	19843.	10.305	2.9990	3.2578	L2.6839	-3.0866
SDev	1.274	63.	1.417	.0397	.0090	.0609	2.1463
%RSD	7.0564	.31575	13.755	1.3226	.27708	2.2679	69.536
#1	18.949	19887.	9.3023	2.9710	3.2642	L2.6409	-1.5689
#2	17.148	19799.	11.307	3.0271	3.2514	L2.7269	-4.6042
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Low	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.7432	6333.8	L2.2224	2.4093	L.28714	54.672	L1.7127
SDev	2.3772	12.8	1.6260	.7993	.08248	.459	.1536
%RSD	30.700	.20223	73.164	33.176	28.726	.84033	8.9663
#1	6.0623	6324.7	L1.0727	2.9745	L.22881	54.348	L1.8213
#2	9.4242	6342.8	L3.3722	1.8441	L.34546	54.997	L1.6042
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Low	LC Pass	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	L-4.5713	3.172	L4.137
SDev	2.0522	.007	.871
%RSD	44.893	.2266	21.05
#1	L-3.1202	3.167	L3.521
#2	L-6.0224	3.177	L4.753
Errors	LC Low	LC Pass	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60590	--	--	--	--	--	--
SDev	26.87006	--	--	--	--	--	--
%RSD	.0443474	--	--	--	--	--	--
#1	60571	--	--	--	--	--	--
#2	60609	--	--	--	--	--	--

Method: PACE2006 Sample Name: 286086 Operator: frw
Run Time: 04/13/09 13:33:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	538.28	1060.5	1873.9	1173.4	1068.9	113670.	1080.1
SDev	.73	1.8	2.7	1.9	2.2	240.	2.1
%RSD	.13638	.16700	.14465	.15900	.20548	.21134	.19431
#1	537.76	1059.2	1872.0	1172.1	1067.4	113500.	1078.7
#2	538.80	1061.7	1875.8	1174.8	1070.5	113840.	1081.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1045.7	1053.9	1066.2	11429.	17696.	59330.	1163.7
SDev	1.6	1.6	.7	29.	19.	102.	1.6
%RSD	.15212	.15383	.06421	.25233	.10546	.17228	.13758
#1	1044.5	1052.8	1065.7	11409.	17709.	59258.	1162.6
#2	1046.8	1055.1	1066.7	11450.	17683.	59402.	1164.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1031.2	31278.	1025.0	1075.0	1049.4	1170.2	1098.6
SDev	4.7	187.	4.0	.9	6.4	1.9	.1
%RSD	.46056	.59694	.39102	.08837	.60690	.16238	.01037
#1	1027.8	31146.	1022.2	1075.7	1044.9	1168.8	1098.7
#2	1034.5	31410.	1027.9	1074.3	1053.9	1171.5	1098.6
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1113.7	11085.	1128.3	1044.7	1092.6	1098.2	1079.0
SDev	3.8	23.	2.5	2.4	1.4	.4	4.4
%RSD	.34144	.20622	.22398	.22916	.12392	.03845	.40754
#1	1111.0	11069.	1126.5	1043.0	1091.6	1097.9	1075.9
#2	1116.4	11101.	1130.1	1046.4	1093.5	1098.5	1082.1
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10545.	1058.	1109.
SDev	9.	4.	2.
%RSD	.08642	.3716	.2253
#1	10538.	1055.	1107.
#2	10551.	1061.	1110.
Errors	LC Pass	LC Pass	LC Pass
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	59944	--	--	--	--	--	--
SDev	3.535534	--	--	--	--	--	--
%RSD	.0058980	--	--	--	--	--	--
#1	59942	--	--	--	--	--	--
#2	59947	--	--	--	--	--	--

Method: PACE2006 Sample Name: 286087 Operator: frw
Run Time: 04/13/09 13:39:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	532.66	1044.7	1850.3	1160.9	1058.1	111570.	1069.9
SDev	.82	1.2	.9	.6	1.0	117.	1.2
%RSD	.15451	.11775	.04792	.05298	.09632	.10484	.11316
#1	533.25	1043.8	1849.6	1160.5	1057.4	111480.	1069.0
#2	532.08	1045.6	1850.9	1161.4	1058.8	111650.	1070.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1036.1	1040.3	1055.2	11304.	17468.	58235.	1151.6
SDev	.4	1.7	.4	5.	1.	83.	1.0
%RSD	.03618	.16378	.03436	.04377	.00535	.14257	.08879
#1	1035.8	1039.1	1055.0	11301.	17467.	58177.	1150.9
#2	1036.3	1041.5	1055.5	11308.	17469.	58294.	1152.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1020.0	30947.	1016.9	1067.0	1038.3	1154.3	1091.3
SDev	1.8	190.	.0	1.1	.3	2.8	.7
%RSD	.17747	.61328	.00049	.09954	.03142	.24149	.06674
#1	1018.7	30813.	1016.9	1067.7	1038.5	1156.3	1090.8
#2	1021.3	31081.	1016.9	1066.2	1038.1	1152.3	1091.8
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1106.8	10878.	1118.2	1035.4	1082.4	1084.8	1076.9
SDev	1.7	5.	5.6	.6	1.3	2.4	3.3
%RSD	.15614	.04988	.49750	.05813	.12213	.22278	.30857
#1	1105.6	10874.	1114.3	1035.0	1081.4	1083.1	1074.6
#2	1108.0	10882.	1122.1	1035.8	1083.3	1086.5	1079.3
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10452.	1048.	1102.
SDev	9.	1.	1.
%RSD	.09082	.0545	.1266
#1	10446.	1048.	1101.
#2	10459.	1047.	1103.
Errors	LC Pass	LC Pass	LC Pass
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60012	--	--	--	--	--	--
SDev	79.19596	--	--	--	--	--	--
%RSD	.1319669	--	--	--	--	--	--
#1	59956	--	--	--	--	--	--
#2	60068	--	--	--	--	--	--

Method: PACE2006 Sample Name: 5025166015 Operator: frw
Run Time: 04/13/09 13:45:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.64846	28.220	7079.6	448.56	L.72969	99452.	L-.19090
SDev	.76279	.401	8.2	.98	.00326	264.	.05339
%RSD	117.63	1.4215	.11519	.21805	.44702	.26537	27.967
#1	L.10908	27.936	7085.3	449.25	L.72739	99639.	L-.15315
#2	L1.1878	28.503	7073.8	447.87	L.73200	99266.	L-.22866
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.06728	.93886	4.0401	9955.1	16877.	37252.	265.91
SDev	.23373	.24872	.2599	32.7	32.	102.	.60
%RSD	347.41	26.492	6.4323	.32829	.18863	.27360	.22749
#1	L.23255	1.1147	4.2238	9978.2	16899.	37324.	266.33
#2	L-.09799	L.76299	3.8563	9932.0	16854.	37180.	265.48
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	22.772	34785.	L1.0213	2.7893	.22940	5.1909	-2.1773
SDev	1.341	113.	.2166	.5287	.01914	1.0567	1.5124
%RSD	5.8901	.32354	21.211	18.955	8.3457	20.356	69.465
#1	23.720	34865.	L1.1745	3.1631	.21586	L4.4437	-3.2467
#2	21.824	34706.	L.86811	2.4154	.24294	5.9381	-1.1078
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	8.2089	6283.0	L5.5663	25.252	1.6737	9.3454	L2.2084
SDev	1.2446	61.0	1.6500	2.568	.0759	.0274	.5493
%RSD	15.161	.97117	29.642	10.170	4.5370	.29309	24.874
#1	9.0890	6239.8	6.7330	23.436	1.6200	9.3260	L1.8200
#2	7.3289	6326.1	L4.3996	27.068	1.7274	9.3647	L2.5968
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	598.15	L1.082	L4.750
SDev	2.49	.163	.326
%RSD	.41602	15.09	6.872
#1	596.39	L1.197	L4.981
#2	599.91	L.9665	L4.520
Errors	LC Pass	LC Low	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60248	--	--	--	--	--	--
SDev	164.7559	--	--	--	--	--	--
%RSD	.2734605	--	--	--	--	--	--
#1	60132	--	--	--	--	--	--
#2	60365	--	--	--	--	--	--

Method: PACE2006 Sample Name: 286088 Operator: frw
Run Time: 04/13/09 13:50:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	536.97	1074.3	8231.9	1492.4	1064.1	108810.	1071.8
SDev	2.04	5.7	22.4	5.4	4.7	368.	4.6
%RSD	.38064	.52648	.27158	.35990	.44003	.33790	.42906
#1	538.42	1078.3	8247.8	1496.2	1067.4	109070.	1075.1
#2	535.53	1070.3	8216.1	1488.6	1060.8	108550.	1068.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1050.2	1054.6	1063.8	20656.	26267.	48068.	1313.5
SDev	3.6	3.6	3.9	67.	51.	156.	4.3
%RSD	.34124	.33893	.36986	.32534	.19294	.32545	.32845
#1	1052.8	1057.1	1066.6	20703.	26303.	48178.	1316.6
#2	1047.7	1052.0	1061.1	20608.	26231.	47957.	1310.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1029.8	45670.	1019.6	1071.6	1043.6	1151.9	1092.2
SDev	2.7	18.	4.1	3.1	3.2	1.2	4.1
%RSD	.26161	.03876	.39958	.28777	.31071	.10734	.37143
#1	1031.7	45683.	1022.5	1073.8	1045.9	1152.8	1095.1
#2	1027.9	45658.	1016.8	1069.4	1041.3	1151.0	1089.4
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1116.4	11374.	1111.0	1062.9	1092.7	1043.6	1076.3
SDev	1.0	47.	5.5	5.1	3.4	4.4	5.3
%RSD	.08603	.41402	.49402	.47835	.30841	.42613	.49168
#1	1115.8	11407.	1114.9	1066.5	1095.0	1046.8	1080.1
#2	1117.1	11341.	1107.2	1059.3	1090.3	1040.5	1072.6
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	11479.	1053.	1108.
SDev	34.	3.	1.
%RSD	.29818	.3029	.0641
#1	11503.	1055.	1109.
#2	11454.	1051.	1108.
Errors	LC Pass	LC Pass	LC Pass
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60130	--	--	--	--	--	--
SDev	94.04520	--	--	--	--	--	--
%RSD	.1564044	--	--	--	--	--	--
#1	60063	--	--	--	--	--	--
#2	60196	--	--	--	--	--	--

Method: PACE2006 Sample Name: 286089 Operator: frw
Run Time: 04/13/09 13:56:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	543.38	1084.3	8344.3	1511.6	1072.5	110330.	1085.7
SDev	.49	.6	15.1	1.3	.2	43.	.5
%RSD	.09014	.05763	.18060	.08454	.01507	.03940	.04153
#1	543.04	1083.9	8333.7	1510.7	1072.7	110300.	1085.4
#2	543.73	1084.8	8355.0	1512.5	1072.4	110360.	1086.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1065.8	1069.9	1080.8	20937.	26561.	48775.	1336.6
SDev	1.2	.4	.4	15.	31.	20.	.5
%RSD	.11000	.03325	.03240	.07133	.11627	.04153	.03799
#1	1064.9	1069.7	1080.6	20927.	26583.	48761.	1336.3
#2	1066.6	1070.2	1081.1	20948.	26540.	48789.	1337.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1044.9	46129.	1025.9	1086.4	1052.2	1164.7	1105.6
SDev	.9	47.	3.0	1.2	5.3	5.0	1.0
%RSD	.08467	.10216	.29715	.11193	.50047	.42571	.08890
#1	1044.2	46163.	1028.0	1087.2	1055.9	1168.2	1104.9
#2	1045.5	46096.	1023.7	1085.5	1048.5	1161.2	1106.2
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1131.0	10031.	1126.2	1067.0	1109.7	1058.6	1089.5
SDev	2.3	2.	2.3	.3	.9	.5	5.8
%RSD	.20443	.01927	.20630	.02644	.07680	.04383	.53008
#1	1132.7	10032.	1124.6	1066.8	1109.1	1059.0	1085.4
#2	1129.4	10029.	1127.9	1067.2	1110.3	1058.3	1093.6
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	11558.	1064.	1123.
SDev	1.	4.	1.
%RSD	.00819	.3683	.1082
#1	11559.	1066.	1123.
#2	11557.	1061.	1122.
Errors	LC Pass	LC Pass	LC Pass
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	59816	--	--	--	--	--	--
SDev	26.16295	--	--	--	--	--	--
%RSD	.0437394	--	--	--	--	--	--
#1	59797	--	--	--	--	--	--
#2	59834	--	--	--	--	--	--

Method: PACE2006 Sample Name: 5025166019 Operator: frw
Run Time: 04/13/09 14:02:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.77032	L-.58522	47.594	L-.18132	L.67934	49.163	L-.26798
SDev	.31835	2.44160	7.491	.03536	.00631	1.292	.02468
%RSD	41.327	417.21	15.739	19.499	.92836	2.6290	9.2101
#1	L.54521	L1.1412	52.891	L-.15632	L.67488	48.249	L-.28544
#2	L.99543	L-2.3117	42.297	L-.20632	L.68380	50.077	L-.25053
Errors	LC Low	LC Low	LC Pass	LC Low	LC Low	LC Pass	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L-.36174	L.32927	3.6358	L3.6122	25.097	L-3.4275	.86287
SDev	.15688	.20264	.1912	2.0322	4.740	2.7369	.03409
%RSD	43.369	61.541	5.2597	56.260	18.888	79.852	3.9506
#1	L-.25080	L.47256	3.7710	L5.0493	28.449	L-1.4922	.88697
#2	L-.47267	L.18599	3.5005	L2.1752	21.745	L-5.3628	.83876
Errors	LC Low	LC Low	LC Pass	LC Low	LC Pass	LC Low	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L1.7020	322.12	L-.60293	2.1494	.28202	L3.8447	-7.2886
SDev	.2085	50.73	.29317	1.3335	.80812	.1876	.9789
%RSD	12.252	15.750	48.625	62.040	286.55	4.8799	13.431
#1	L1.5546	357.99	L-.81023	3.0923	.85345	L3.9774	-6.5964
#2	L1.8495	286.24	L-.39562	1.2065	-.28941	L3.7121	-7.9808
Errors	LC Low	LC Pass	LC Low	NOCHECK	NOCHECK	LC Low	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	2.0747	72.093	L2.3229	1.3725	L-.00022	3.7787	L2.3876
SDev	3.1812	7.170	.9281	.0794	.00021	.0541	.4779
%RSD	153.33	9.9450	39.953	5.7860	97.859	1.4316	20.017
#1	4.3241	77.163	L2.9792	1.4287	L-.00037	3.7404	L2.7256
#2	-.17475	67.023	L1.6667	1.3164	L-.00007	3.8169	L2.0497
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Low	LC Pass	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	L-43.336	L.9040	L-1.043
SDev	2.368	.9831	2.448
%RSD	5.4649	108.7	234.7
#1	L-45.011	L1.599	L.6877
#2	L-41.662	L.2089	L-2.774
Errors	LC Low	LC Low	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60732	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.0069858	--	--	--	--	--	--
#1	60735	--	--	--	--	--	--
#2	60729	--	--	--	--	--	--

Method: PACE2006 Sample Name: 5025166020 Operator: frw
Run Time: 04/13/09 14:07:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.31913	L-.01595	23.293	L-.13094	L.68952	83.438	L-.33278
SDev	.00059	1.47994	1.844	.03519	.00525	.542	.28609
%RSD	.18341	9276.2	7.9169	26.879	.76104	.64989	85.971
#1	L.31871	L-1.0624	24.597	L-.15582	L.68581	83.055	L-.13048
#2	L.31954	L1.0305	21.989	L-.10605	L.69323	83.822	L-.53508
Errors	LC Low	LC Low	LC Pass	LC Low	LC Low	LC Pass	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L-.56788	L.21577	3.1708	26.182	27.394	L.65304	.74130
SDev	.53976	.20371	.0519	1.333	4.713	.64580	.00101
%RSD	95.048	94.411	1.6383	5.0908	17.203	98.891	.13569
#1	L-.18622	L.35982	3.2075	25.240	24.061	L.19639	.74201
#2	L-.94955	L.07173	3.1341	27.125	30.726	L1.1097	.74058
Errors	LC Low	LC Low	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.55624	332.74	L.12727	2.0024	1.0644	L2.2990	-2.5855
SDev	.08710	119.53	.27427	1.5685	1.5724	.8748	1.5908
%RSD	15.658	35.922	215.51	78.328	147.73	38.050	61.529
#1	L.49465	248.22	L.32120	.89335	2.1763	L1.6805	-3.7103
#2	L.61783	417.26	L-.06667	3.1115	-.04746	L2.9176	-1.4606
Errors	LC Low	LC Pass	LC Low	NOCHECK	NOCHECK	LC Low	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.6288	59.704	L.35605	1.2384	L.34888	5.4188	L1.2646
SDev	3.2811	.550	.92715	.0990	.00044	.0062	.3711
%RSD	90.416	.92098	260.40	7.9971	.12500	.11378	29.347
#1	5.9489	59.315	L1.0116	1.1683	L.34919	5.4231	L1.0022
#2	1.3088	60.093	L-.29954	1.3084	L.34857	5.4144	L1.5270
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Low	LC Pass	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	L-36.512	L1.377	L1.560
SDev	.564	.526	1.659
%RSD	1.5451	38.24	106.4
#1	L-36.911	L1.749	L2.732
#2	L-36.113	L1.005	L.3867
Errors	LC Low	LC Low	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60628	--	--	--	--	--	--
SDev	62.93250	--	--	--	--	--	--
%RSD	.1038002	--	--	--	--	--	--
#1	60584	--	--	--	--	--	--
#2	60673	--	--	--	--	--	--

Method: PACE2006 Sample Name: 5025166021 Operator: frw
Run Time: 04/13/09 14:13:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.21246	L-.60030	759.91	117.42	L.71129	101180.	L.16686
SDev	.12246	.72128	.75	.02	.00216	46.	.04881
%RSD	57.639	120.15	.09878	.02080	.30421	.04526	29.254
#1	L.12587	L-1.1103	760.45	117.40	L.71282	101210.	L.13234
#2	L.29905	L-.09028	759.38	117.44	L.70976	101140.	L.20137
Errors	LC Low	LC Low	LC Pass	LC Pass	LC Low	LC Pass	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.21553	1.0368	14.496	631.61	8111.2	46986.	102.22
SDev	.36233	.1261	.454	4.29	9.2	22.	.01
%RSD	168.11	12.163	3.1302	.67920	.11374	.04708	.01290
#1	L-.04068	1.1259	14.816	628.57	8117.8	47002.	102.21
#2	L.47174	.94760	14.175	634.64	8104.7	46970.	102.23
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.016	19811.	11.162	4.6287	5.2555	L2.9922	-6.0268
SDev	.433	201.	.308	.4231	.4661	.6919	6.1622
%RSD	2.2754	1.0169	2.7590	9.1413	8.8694	23.123	102.25
#1	19.322	19954.	11.380	4.3295	4.9259	L2.5029	-10.384
#2	18.710	19669.	10.945	4.9279	5.5851	L3.4814	-1.6694
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Low	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	3.1039	6501.9	L.78594	3.9341	L.16704	60.417	L-2.0706
SDev	1.3988	.4	1.4117	.1151	.08436	.226	.0051
%RSD	45.065	.00543	179.62	2.9269	50.500	.37386	.24681
#1	2.1148	6501.6	L1.7842	3.8527	L.22669	60.577	L-2.0742
#2	4.0930	6502.1	L-.21227	4.0155	L.10739	60.258	L-2.0670
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Low	LC Pass	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	46.919	5.047	L.0635
SDev	1.384	.452	2.985
%RSD	2.9496	8.952	4700.
#1	45.940	4.727	L-2.047
#2	47.897	5.366	L2.174
Errors	LC Pass	LC Pass	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	59826	--	--	--	--	--	--
SDev	115.2584	--	--	--	--	--	--
%RSD	.1926544	--	--	--	--	--	--
#1	59745	--	--	--	--	--	--
#2	59908	--	--	--	--	--	--

Method: PACE2006 Sample Name: 5025166022 Operator: frw
Run Time: 04/13/09 14:19:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.76289	27.853	7215.0	452.54	.80114	100220.	L-.17129
SDev	.60313	.892	2.5	.67	.00158	10.	.00728
%RSD	79.059	3.2029	.03526	.14754	.19748	.01035	4.2494
#1	L1.1894	27.222	7216.8	453.02	.80226	100210.	L-.17644
#2	L.33641	28.484	7213.2	452.07	.80002	100220.	L-.16614
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	10000.	35000.	100000.	15000.	10000.	500000.	25000.
Low	1.2000	5.7000	2.8000	4.4000	.80000	14.300	.40000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	L.26237	1.1451	4.1040	10000.	16975.	37596.	268.44
SDev	.22293	.0432	.3453	3.	23.	4.	.12
%RSD	84.967	3.7730	8.4140	.03205	.13658	.01145	.04498
#1	L.10474	1.1757	3.8598	10002.	16992.	37593.	268.53
#2	L.42000	1.1146	4.3481	9997.7	16959.	37600.	268.36
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	100000.	100000.	300000.	60000.	500000.	20000.
Low	.80000	.80000	1.3000	15.200	18.700	11.500	.30000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	21.717	34778.	L1.3690	3.5964	-.17794	L1.0477	-6.8461
SDev	1.094	63.	.2963	2.1505	.32178	.1237	.3893
%RSD	5.0352	.18027	21.646	59.796	180.83	11.806	5.6862
#1	20.944	34823.	L1.1594	5.1170	-.40548	L.96025	-7.1214
#2	22.491	34734.	L1.5785	2.0758	.04959	L1.1352	-6.5708
Errors	LC Pass	LC Pass	LC Low	NOCHECK	NOCHECK	LC Low	NOCHECK
High	40000.	200000.	100000.			40000.	
Low	2.1000	216.00	1.8000			4.9000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	7.5184	6772.2	L3.9135	24.511	1.4420	7.9535	L1.1804
SDev	3.4537	1.9	.2298	.874	.4135	.0132	.3667
%RSD	45.937	.02823	5.8716	3.5668	28.673	.16570	31.062
#1	9.9606	6773.6	L3.7510	23.892	1.1497	7.9628	L1.4397
#2	5.0763	6770.9	L4.0760	25.129	1.7344	7.9441	L.92117
Errors	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Low
High		100000.	75000.	10000.	100000.	50000.	50000.
Low		20.000	6.4000	.60000	.60000	3.0000	9.0000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	624.36	L1.079	L2.735
SDev	7.98	.501	2.174
%RSD	1.2780	46.47	79.48
#1	630.00	L1.434	L4.272
#2	618.72	L.7245	L1.198
Errors	LC Pass	LC Low	LC Low
High	250000.	50000.	50000.
Low	26.500	2.800	6.700

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	60094	--	--	--	--	--	--
SDev	93.33810	--	--	--	--	--	--
%RSD	.1553201	--	--	--	--	--	--
#1	60028	--	--	--	--	--	--
#2	60160	--	--	--	--	--	--

Method: PACE2006 Sample Name: icvccv Operator: frw
Run Time: 04/13/09 14:24:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	518.13	1015.9	1097.4	1039.9	1041.4	10771.	1070.3
SDev	.73	2.5	4.5	1.0	.7	.	.2
%RSD	.14162	.24326	.41210	.09706	.06764	.00205	.02163
#1	518.64	1014.2	Q1100.6	1040.6	1040.9	10770.	1070.1
#2	517.61	1017.7	1094.2	1039.2	1041.9	10771.	1070.4
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	1000.0	1000.0	1000.0	1000.0	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1050.3	1049.3	1034.6	10767.	Q8409.5	10933.	1052.4
SDev	.2	.0	.9	3.	10.7	6.	.5
%RSD	.02219	.00396	.08792	.02831	.12716	.05731	.04750
#1	1050.4	1049.3	1035.3	10765.	Q8402.0	10929.	1052.7
#2	1050.1	1049.4	1034.0	10769.	Q8417.1	10937.	1052.0
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	1000.0	1000.0	1000.0	10000.	10000.	10000.	1000.0
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	974.93	9650.0	1017.8	1066.5	1034.8	Q1111.2	1056.8
SDev	1.46	6.4	.6	4.0	1.6	1.4	1.4
%RSD	.14991	.06666	.05609	.37425	.15687	.12855	.13305
#1	973.89	9654.6	1017.4	1069.4	1033.7	Q1112.2	1055.8
#2	975.96	9645.5	1018.2	1063.7	1036.0	Q1110.2	1057.8
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Fail	NOCHECK
Value	1000.0	10000.	1000.0			1000.0	
Range	10.000	10.000	10.000			10.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1077.7	4626.4	1098.2	1009.8	1069.3	1039.1	1070.8
SDev	9.0	2.3	4.7	.2	.5	.6	.9
%RSD	.83733	.05064	.43241	.01517	.04239	.05749	.08569
#1	1084.1	4628.1	1094.9	1009.7	1069.6	1039.5	1070.2
#2	1071.3	4624.7	Q1101.6	1009.9	1069.0	1038.7	1071.5
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		5000.0	1000.0	1000.0	1000.0	1000.0	1000.0
Range		10.000	10.000	10.000	10.000	10.000	10.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	10005.	1045.	1071.
SDev	.	.	6.
%RSD	.00158	.0236	.5184
#1	10005.	1046.	1075.
#2	10005.	1045.	1067.
Errors	QC Pass	QC Pass	QC Pass
Value	10000.	1000.	1000.
Range	10.000	10.00	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61125	--	--	--	--	--	--
SDev	82.02438	--	--	--	--	--	--
%RSD	.1341912	--	--	--	--	--	--
#1	61067	--	--	--	--	--	--
#2	61183	--	--	--	--	--	--

Method: PACE2006 Sample Name: icbccb Operator: frw
Run Time: 04/13/09 14:30:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.0507	-1.1736	19.433	.09104	.96538	3.1018	.18814
SDev	.0001	.6079	1.927	.07004	.03257	.0135	.10963
%RSD	.00971	51.797	9.9158	76.925	3.3743	.43654	58.274
#1	1.0508	-1.6034	20.795	.04152	.98841	3.1114	.26566
#2	1.0506	-.74376	18.070	.14057	.94234	3.0923	.11061
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	5.0000	10.000	50.000	50.000	50.000	200.00	1.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	.06120	.66749	2.9269	.28389	16.003	-8.1948	.60145
SDev	.31233	.12105	.2741	2.7048	11.016	2.0214	.01703
%RSD	510.38	18.135	9.3658	952.76	68.836	24.667	2.8319
#1	.28204	.75308	2.7331	-1.6287	23.792	-9.6241	.58941
#2	-.15965	.58189	3.1207	2.1965	8.2134	-6.7654	.61349
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	10.000	5.0000	10.000	50.000	250.00	200.00	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	1.3714	262.40	.42331	2.2356	.86992	4.3465	-2.1607
SDev	.7425	139.72	.26143	1.0032	.26975	2.3060	1.1093
%RSD	54.144	53.247	61.758	44.874	31.009	53.055	51.339
#1	1.8964	361.20	.23845	2.9449	.67918	5.9771	-1.3763
#2	.84634	163.60	.60817	1.5262	1.0607	2.7159	-2.9450
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	.00000	.00000	.00000			.00000	
Range	20.000	1000.0	10.000			6.0000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	4.5634	46.791	2.1450	1.6374	.63638	.43715	-1.0406
SDev	.4742	6.055	.2230	.2462	.08248	.37271	.6222
%RSD	10.391	12.940	10.397	15.037	12.960	85.257	59.791
#1	4.8987	51.072	1.9873	1.8114	.69470	.17361	-1.4805
#2	4.2281	42.509	2.3027	1.4633	.57806	.70070	-.60063
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		.00000	.00000	.00000	.00000	.00000	.00000
Range		200.00	20.000	20.000	10.000	10.000	20.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	-48.809	1.325	2.324
SDev	.650	.154	.686
%RSD	1.3325	11.63	29.50
#1	-48.349	1.434	2.809
#2	-49.269	1.216	1.840
Errors	QC Pass	QC Pass	QC Pass
Value	.00000	.0000	.0000
Range	50.000	5.000	10.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61100	--	--	--	--	--	--
SDev	37.47666	--	--	--	--	--	--
%RSD	.0613361	--	--	--	--	--	--
#1	61074	--	--	--	--	--	--
#2	61127	--	--	--	--	--	--

Method: PACE2006 Sample Name: crdl Operator:
Run Time: 04/13/09 14:36:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	As1890	B_2496	Ba4934	Be3130	Ca3158	Cd2265
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	11.143	9.1601	170.59	2.9071	10.782	522.18	.91350
SDev	.421	.1192	2.12	.0287	.142	6.03	.03799
%RSD	3.7790	1.3008	1.2414	.98840	1.3206	1.1548	4.1586
#1	11.440	9.2444	169.09	2.8867	10.681	517.91	.94036
#2	10.845	9.0759	172.09	2.9274	10.882	526.44	.88664
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	10.000	10.000	150.00	3.0000	10.000	500.00	1.0000
Range	50.000	50.000	20.000	50.000	20.000	20.000	50.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	19.498	21.490	12.784	108.47	Q3974.3	518.96	10.359
SDev	.156	.753	.017	5.78	30.4	9.53	.161
%RSD	.79776	3.5021	.12930	5.3307	.76462	1.8357	1.5497
#1	19.388	20.957	12.772	112.56	Q3952.9	512.22	10.246
#2	19.608	22.022	12.795	104.38	Q3995.8	525.70	10.473
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	20.000	20.000	10.000	100.00	5000.0	500.00	10.000
Range	20.000	20.000	50.000	50.000	20.000	20.000	20.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	28.225	1976.8	39.331	8.0004	7.4037	10.249	1.3293
SDev	.548	107.5	.842	.2670	2.1861	.469	6.8161
%RSD	1.9421	5.4385	2.1408	3.3369	29.528	4.5719	512.76
#1	27.837	1900.8	38.735	7.8117	5.8578	9.9179	6.1490
#2	28.613	2052.8	39.926	8.1892	8.9495	10.581	-3.4904
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	30.000	2000.0	40.000			10.000	
Range	20.000	50.000	20.000			50.000	

Elem	1960/2	Si2881	Sn1899	Ti3372	V_2924	Zn2062	Tl1908
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Avge	16.357	32.341	75.907	20.771	31.376	41.029	18.708
SDev	1.557	1.427	.246	.321	.521	.006	1.597
%RSD	9.5173	4.4112	.32364	1.5473	1.6597	.01405	8.5359
#1	17.458	31.332	76.081	20.544	31.008	41.033	19.837
#2	15.257	33.350	75.733	20.998	31.745	41.025	17.579
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			70.000	20.000	30.000	40.000	20.000
Range			20.000	50.000	20.000	20.000	50.000

Elem	Al3082	Pb2203	Se1960

Units	ppb	ppb	ppb
Avge	140.28	7.603	11.35
SDev	.52	1.547	3.31
%RSD	.36726	20.35	29.14
#1	140.64	6.509	13.69
#2	139.91	8.696	9.014
Errors	QC Pass	QC Pass	QC Pass
Value	200.00	6.000	10.00
Range	50.000	50.00	50.00

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	61438	--	--	--	--	--	--
SDev	540.9367	--	--	--	--	--	--
%RSD	.8804666	--	--	--	--	--	--
#1	61820	--	--	--	--	--	--
#2	61055	--	--	--	--	--	--

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

April 21, 2009

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

RE: Project: Allison Transmission
Pace Project No.: 5025200

Dear Ms. Scrocchi:
Enclosed are the analytical results for sample(s) received by the laboratory on April 13, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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Pace Analytical Services, Inc.
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Phone: 317.875.5894
Fax: 317.872.6189

April 30, 2009

Case Narrative- Level Project Review
Project 5025200 (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 'DF'. 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

All quality control indicators for this project (method blank, LCS and matrix spike results) are within laboratory acceptance limits.

GC/MS Semi-Volatiles- Method 8270C

The LCS listed on pages 18-19 has one footnote (L0) indicating three compounds were outside the laboratory control limits. The spike and spike duplicate information listed on pages 19-20 for sample 5025166036 is considered batch quality control data because it was not run on a sample from this project. Therefore this spike recovery information should not be used to evaluate sample data from this project. All other quality control indicators for this project (method blank results) are within laboratory acceptance limits.

The review of this project and the associated case narrative are part of a review process for final reports that require a complete set of data deliverables. This process is completed by a member of the Quality Department as part of Pace Analytical's Indiana state requirements.

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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.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

SAMPLE SUMMARY

Project: Allison Transmission
Pace Project No.: 5025200

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5025200001	**TB-1(040909)-TP**	Water	04/09/09 08:00	04/13/09 15:53
5025200002	**MW-2-4-S2(040909)**	Water	04/09/09 12:50	04/13/09 15:53
5025200003	**MW-0704-S2(040909)**	Water	04/09/09 13:50	04/13/09 15:53
5025200004	**MW-0705-S2(040909)**	Water	04/09/09 16:00	04/13/09 15:53
5025200005	**MW2-3-S2(040909)**	Water	04/09/09 15:00	04/13/09 15:53
5025200006	**MW-0810-S2(040909)**	Water	04/09/09 17:40	04/13/09 15:53

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SAMPLE ANALYTE COUNT

Project: Allison Transmission
Pace Project No.: 5025200

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5025200001	**TB-1(040909)-TP**	EPA 8260	SLB	51
5025200002	**MW-2-4-S2(040909)**	EPA 8260	SLB	51
5025200003	**MW-0704-S2(040909)**	EPA 8260	SLB	51
5025200004	**MW-0705-S2(040909)**	EPA 8260	SLB	51
5025200005	**MW2-3-S2(040909)**	EPA 8260	SLB	51
		EPA 8270	KES	57
5025200006	**MW-0810-S2(040909)**	EPA 8260	SLB	51

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: TB-1(040909)-TP **Lab ID: 5025200001** Collected: 04/09/09 08:00 Received: 04/13/09 15:53 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		04/16/09 09:41	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 09:41	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 09:41	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 09:41	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 09:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 09:41	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 09:41	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 09:41	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 09:41	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 09:41	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 09:41	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 09:41	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 09:41	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 09:41	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 09:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 09:41	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 09:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 09:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 09:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 09:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 09:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 09:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 09:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 09:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 09:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 09:41	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 09:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 09:41	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 09:41	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 09:41	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 09:41	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 09:41	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 09:41	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 09:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 09:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 09:41	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 09:41	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 09:41	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 09:41	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 09:41	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 09:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 09:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 09:41	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 09:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 09:41	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 09:41	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 09:41	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: TB-1(040909)-TP **Lab ID: 5025200001** Collected: 04/09/09 08:00 Received: 04/13/09 15:53 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		04/16/09 09:41	1330-20-7	
Dibromofluoromethane (S)	103	%	80-123	1		04/16/09 09:41	1868-53-7	
4-Bromofluorobenzene (S)	98	%	70-126	1		04/16/09 09:41	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/16/09 09:41	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-2-4-S2(040909) **Lab ID: 5025200002** Collected: 04/09/09 12:50 Received: 04/13/09 15:53 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		04/16/09 10:11	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 10:11	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 10:11	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 10:11	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 10:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 10:11	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 10:11	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 10:11	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 10:11	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 10:11	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 10:11	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 10:11	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 10:11	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 10:11	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 10:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 10:11	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 10:11	75-71-8	
1,1-Dichloroethane	**176**	ug/L	5.0	1		04/16/09 10:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 10:11	107-06-2	
1,1-Dichloroethene	**83.8**	ug/L	5.0	1		04/16/09 10:11	75-35-4	
cis-1,2-Dichloroethene	**1590**	ug/L	50.0	10		04/17/09 02:41	156-59-2	
trans-1,2-Dichloroethene	**997**	ug/L	50.0	10		04/17/09 02:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 10:11	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 10:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 10:11	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 10:11	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 10:11	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 10:11	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 10:11	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 10:11	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 10:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 10:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 10:11	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 10:11	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 10:11	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 10:11	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 10:11	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 10:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 10:11	79-00-5	
Trichloroethene	**178**	ug/L	5.0	1		04/16/09 10:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 10:11	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 10:11	76-13-1	
Vinyl chloride	**388**	ug/L	20.0	10		04/17/09 02:41	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-2-4-S2(040909) **Lab ID: 5025200002** Collected: 04/09/09 12:50 Received: 04/13/09 15:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Xylene (Total)	**16.7**	ug/L	10.0	1		04/16/09 10:11	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		04/16/09 10:11	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-126	1		04/16/09 10:11	460-00-4	
Toluene-d8 (S)	95	%	80-116	1		04/16/09 10:11	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-0704-S2(040909) **Lab ID: 5025200003** Collected: 04/09/09 13:50 Received: 04/13/09 15:53 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		04/16/09 10:40	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 10:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 10:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 10:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 10:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 10:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 10:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 10:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 10:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 10:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 10:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 10:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 10:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 10:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 10:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 10:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 10:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 10:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 10:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 10:40	75-35-4	
cis-1,2-Dichloroethene	**96.6**	ug/L	5.0	1		04/16/09 10:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 10:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 10:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 10:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 10:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 10:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 10:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 10:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 10:40	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 10:40	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 10:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 10:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 10:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 10:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 10:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 10:40	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 10:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 10:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 10:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 10:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 10:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 10:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 10:40	76-13-1	
Vinyl chloride	**185**	ug/L	2.0	1		04/16/09 10:40	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-0704-S2(040909) **Lab ID: 5025200003** Collected: 04/09/09 13:50 Received: 04/13/09 15:53 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		04/16/09 10:40	1330-20-7	
Dibromofluoromethane (S)	99	%	80-123	1		04/16/09 10:40	1868-53-7	
4-Bromofluorobenzene (S)	99	%	70-126	1		04/16/09 10:40	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/16/09 10:40	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-0705-S2(040909) **Lab ID: 5025200004** Collected: 04/09/09 16:00 Received: 04/13/09 15:53 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		04/16/09 11:10	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 11:10	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 11:10	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 11:10	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 11:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 11:10	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 11:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 11:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 11:10	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 11:10	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 11:10	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 11:10	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 11:10	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 11:10	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 11:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 11:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 11:10	75-71-8	
1,1-Dichloroethane	**8.9**	ug/L	5.0	1		04/16/09 11:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 11:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 11:10	75-35-4	
cis-1,2-Dichloroethene	**34.7**	ug/L	5.0	1		04/16/09 11:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 11:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 11:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 11:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 11:10	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 11:10	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 11:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 11:10	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 11:10	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 11:10	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 11:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 11:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 11:10	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 11:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 11:10	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 11:10	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 11:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:10	120-82-1	
1,1,1-Trichloroethane	**8.1**	ug/L	5.0	1		04/16/09 11:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 11:10	79-00-5	
Trichloroethene	**93.1**	ug/L	5.0	1		04/16/09 11:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 11:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 11:10	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 11:10	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-0705-S2(040909) **Lab ID: 5025200004** Collected: 04/09/09 16:00 Received: 04/13/09 15:53 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		04/16/09 11:10	1330-20-7	
Dibromofluoromethane (S)	102	%	80-123	1		04/16/09 11:10	1868-53-7	
4-Bromofluorobenzene (S)	94	%	70-126	1		04/16/09 11:10	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/16/09 11:10	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW2-3-S2(040909) **Lab ID: 5025200005** Collected: 04/09/09 15:00 Received: 04/13/09 15:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	83-32-9	
Acenaphthylene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	208-96-8	
Acetophenone	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	98-86-2	
Anthracene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	120-12-7	
Atrazine	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	1912-24-9	
Benzaldehyde	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	100-52-7	
Benzo(a)anthracene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	207-08-9	
Biphenyl (Diphenyl)	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	92-52-4	
4-Bromophenylphenyl ether	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	85-68-7	
Caprolactam	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	105-60-2	
Carbazole	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	86-74-8	
4-Chloroaniline	ND	ug/L	10.2	1	04/15/09 12:10	04/16/09 14:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	111-44-4	
2-Chloronaphthalene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	91-58-7	
4-Chlorophenylphenyl ether	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	7005-72-3	
Chrysene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	53-70-3	
Dibenzofuran	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	91-94-1	
Diethylphthalate	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	84-66-2	
Dimethylphthalate	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	131-11-3	
Di-n-butylphthalate	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	84-74-2	
2,4-Dinitrotoluene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	606-20-2	
Di-n-octylphthalate	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	117-81-7	
Fluoranthene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	206-44-0	
Fluorene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	87-68-3	
Hexachlorobenzene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	25.5	1	04/15/09 12:10	04/16/09 14:12	77-47-4	
Hexachloroethane	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	193-39-5	
Isophorone	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	78-59-1	
2-Methylnaphthalene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	91-57-6	
Naphthalene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	91-20-3	
2-Nitroaniline	ND	ug/L	20.4	1	04/15/09 12:10	04/16/09 14:12	88-74-4	
3-Nitroaniline	ND	ug/L	20.4	1	04/15/09 12:10	04/16/09 14:12	99-09-2	
4-Nitroaniline	ND	ug/L	20.4	1	04/15/09 12:10	04/16/09 14:12	100-01-6	
Nitrobenzene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	98-95-3	
N-Nitroso-di-n-propylamine	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	621-64-7	

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW2-3-S2(040909) **Lab ID: 5025200005** Collected: 04/09/09 15:00 Received: 04/13/09 15:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
N-Nitrosodiphenylamine	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	86-30-6	
2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	108-60-1	
Phenanthrene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	85-01-8	
Pyrene	ND	ug/L	5.1	1	04/15/09 12:10	04/16/09 14:12	129-00-0	
Nitrobenzene-d5 (S)	92	%	40-112	1	04/15/09 12:10	04/16/09 14:12	4165-60-0	
2-Fluorobiphenyl (S)	89	%	31-114	1	04/15/09 12:10	04/16/09 14:12	321-60-8	
Terphenyl-d14 (S)	77	%	10-116	1	04/15/09 12:10	04/16/09 14:12	1718-51-0	
Phenol-d6 (S)	34	%	10-100	1	04/15/09 12:10	04/16/09 14:12	13127-88-3	
2-Fluorophenol (S)	57	%	13-100	1	04/15/09 12:10	04/16/09 14:12	367-12-4	
2,4,6-Tribromophenol (S)	79	%	26-125	1	04/15/09 12:10	04/16/09 14:12	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		04/16/09 11:40	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 11:40	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 11:40	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 11:40	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 11:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 11:40	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 11:40	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 11:40	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 11:40	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 11:40	75-00-3	
Chloroform	ND	ug/L	5.0	1		04/16/09 11:40	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 11:40	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 11:40	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 11:40	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 11:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 11:40	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 11:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 11:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 11:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 11:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 11:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 11:40	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 11:40	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 11:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 11:40	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 11:40	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 11:40	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 11:40	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 11:40	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 11:40	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 11:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 11:40	108-10-1	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW2-3-S2(040909) **Lab ID: 5025200005** Collected: 04/09/09 15:00 Received: 04/13/09 15:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 11:40	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 11:40	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 11:40	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 11:40	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 11:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 11:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 11:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 11:40	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 11:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 11:40	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 11:40	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 11:40	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		04/16/09 11:40	1330-20-7	
Dibromofluoromethane (S)	98	%	80-123	1		04/16/09 11:40	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-126	1		04/16/09 11:40	460-00-4	
Toluene-d8 (S)	97	%	80-116	1		04/16/09 11:40	2037-26-5	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-0810-S2(040909) **Lab ID: 5025200006** Collected: 04/09/09 17:40 Received: 04/13/09 15:53 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		04/16/09 12:10	67-64-1	
Benzene	ND	ug/L	5.0	1		04/16/09 12:10	71-43-2	
Bromodichloromethane	ND	ug/L	5.0	1		04/16/09 12:10	75-27-4	
Bromoform	ND	ug/L	5.0	1		04/16/09 12:10	75-25-2	
Bromomethane	ND	ug/L	5.0	1		04/16/09 12:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		04/16/09 12:10	78-93-3	
Carbon disulfide	ND	ug/L	10.0	1		04/16/09 12:10	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		04/16/09 12:10	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		04/16/09 12:10	108-90-7	
Chloroethane	ND	ug/L	5.0	1		04/16/09 12:10	75-00-3	
Chloroform	**33.3**	ug/L	5.0	1		04/16/09 12:10	67-66-3	
Chloromethane	ND	ug/L	5.0	1		04/16/09 12:10	74-87-3	
Cyclohexane	ND	ug/L	100	1		04/16/09 12:10	110-82-7	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1		04/16/09 12:10	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	1		04/16/09 12:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		04/16/09 12:10	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	1		04/16/09 12:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		04/16/09 12:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		04/16/09 12:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		04/16/09 12:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 12:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		04/16/09 12:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		04/16/09 12:10	78-87-5	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 12:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		04/16/09 12:10	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		04/16/09 12:10	100-41-4	
2-Hexanone	ND	ug/L	25.0	1		04/16/09 12:10	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		04/16/09 12:10	98-82-8	
Methyl acetate	ND	ug/L	50.0	1		04/16/09 12:10	79-20-9	
Methylcyclohexane	ND	ug/L	50.0	1		04/16/09 12:10	108-87-2	
Methylene chloride	ND	ug/L	5.0	1		04/16/09 12:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		04/16/09 12:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		04/16/09 12:10	1634-04-4	
Styrene	ND	ug/L	5.0	1		04/16/09 12:10	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		04/16/09 12:10	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		04/16/09 12:10	127-18-4	
Toluene	ND	ug/L	5.0	1		04/16/09 12:10	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		04/16/09 12:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		04/16/09 12:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		04/16/09 12:10	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		04/16/09 12:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		04/16/09 12:10	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	1		04/16/09 12:10	76-13-1	
Vinyl chloride	ND	ug/L	2.0	1		04/16/09 12:10	75-01-4	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Sample: MW-0810-S2(040909) **Lab ID: 5025200006** Collected: 04/09/09 17:40 Received: 04/13/09 15:53 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		04/16/09 12:10	1330-20-7	
Dibromofluoromethane (S)	97	%	80-123	1		04/16/09 12:10	1868-53-7	
4-Bromofluorobenzene (S)	97	%	70-126	1		04/16/09 12:10	460-00-4	
Toluene-d8 (S)	96	%	80-116	1		04/16/09 12:10	2037-26-5	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

QC Batch: OEXT/12552
QC Batch Method: EPA 3510
Analysis Method: EPA 8270
Analysis Description: 8270 Water MSSV
Associated Lab Samples: 5025200005

METHOD BLANK: 286984
Matrix: Water
Associated Lab Samples: 5025200005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	ND	5.0	04/16/09 11:51	
2,4-Dinitrotoluene	ug/L	ND	5.0	04/16/09 11:51	
2,6-Dinitrotoluene	ug/L	ND	5.0	04/16/09 11:51	
2-Chloronaphthalene	ug/L	ND	5.0	04/16/09 11:51	
2-Methylnaphthalene	ug/L	ND	5.0	04/16/09 11:51	
2-Nitroaniline	ug/L	ND	20.0	04/16/09 11:51	
3,3'-Dichlorobenzidine	ug/L	ND	5.0	04/16/09 11:51	
3-Nitroaniline	ug/L	ND	20.0	04/16/09 11:51	
4-Bromophenylphenyl ether	ug/L	ND	5.0	04/16/09 11:51	
4-Chloroaniline	ug/L	ND	10.0	04/16/09 11:51	
4-Chlorophenylphenyl ether	ug/L	ND	5.0	04/16/09 11:51	
4-Nitroaniline	ug/L	ND	20.0	04/16/09 11:51	
Acenaphthene	ug/L	ND	5.0	04/16/09 11:51	
Acenaphthylene	ug/L	ND	5.0	04/16/09 11:51	
Acetophenone	ug/L	ND	5.0	04/16/09 11:51	
Anthracene	ug/L	ND	5.0	04/16/09 11:51	
Atrazine	ug/L	ND	5.0	04/16/09 11:51	
Benzaldehyde	ug/L	ND	5.0	04/16/09 11:51	
Benzo(a)anthracene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(a)pyrene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(b)fluoranthene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(g,h,i)perylene	ug/L	ND	5.0	04/16/09 11:51	
Benzo(k)fluoranthene	ug/L	ND	5.0	04/16/09 11:51	
Biphenyl (Diphenyl)	ug/L	ND	5.0	04/16/09 11:51	
bis(2-Chloroethoxy)methane	ug/L	ND	5.0	04/16/09 11:51	
bis(2-Chloroethyl) ether	ug/L	ND	5.0	04/16/09 11:51	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	04/16/09 11:51	
Butylbenzylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Caprolactam	ug/L	ND	5.0	04/16/09 11:51	
Carbazole	ug/L	ND	5.0	04/16/09 11:51	
Chrysene	ug/L	ND	5.0	04/16/09 11:51	
Di-n-butylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Di-n-octylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Dibenz(a,h)anthracene	ug/L	ND	5.0	04/16/09 11:51	
Dibenzofuran	ug/L	ND	5.0	04/16/09 11:51	
Diethylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Dimethylphthalate	ug/L	ND	5.0	04/16/09 11:51	
Fluoranthene	ug/L	ND	5.0	04/16/09 11:51	
Fluorene	ug/L	ND	5.0	04/16/09 11:51	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	04/16/09 11:51	
Hexachlorobenzene	ug/L	ND	5.0	04/16/09 11:51	
Hexachlorocyclopentadiene	ug/L	ND	25.0	04/16/09 11:51	
Hexachloroethane	ug/L	ND	5.0	04/16/09 11:51	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

METHOD BLANK: 286984 Matrix: Water

Associated Lab Samples: 5025200005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	ND	5.0	04/16/09 11:51	
Isophorone	ug/L	ND	5.0	04/16/09 11:51	
N-Nitroso-di-n-propylamine	ug/L	ND	5.0	04/16/09 11:51	
N-Nitrosodiphenylamine	ug/L	ND	5.0	04/16/09 11:51	
Naphthalene	ug/L	ND	5.0	04/16/09 11:51	
Nitrobenzene	ug/L	ND	5.0	04/16/09 11:51	
Phenanthrene	ug/L	ND	5.0	04/16/09 11:51	
Pyrene	ug/L	ND	5.0	04/16/09 11:51	
2,4,6-Tribromophenol (S)	%	81	26-125	04/16/09 11:51	
2-Fluorobiphenyl (S)	%	95	31-114	04/16/09 11:51	
2-Fluorophenol (S)	%	59	13-100	04/16/09 11:51	
Nitrobenzene-d5 (S)	%	92	40-112	04/16/09 11:51	
Phenol-d6 (S)	%	37	10-100	04/16/09 11:51	
Terphenyl-d14 (S)	%	87	10-116	04/16/09 11:51	

LABORATORY CONTROL SAMPLE: 286985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2'-Oxybis(1-chloropropane)	ug/L	100	78.9	79	50-150	
2,4-Dinitrotoluene	ug/L	100	91.7	92	39-129	
2,6-Dinitrotoluene	ug/L	100	90.6	91	45-143	
2-Chloronaphthalene	ug/L	100	83.7	84	33-136	
2-Methylnaphthalene	ug/L	100	79.0	79	34-112	
2-Nitroaniline	ug/L	100	90.3	90	44-136	
3,3'-Dichlorobenzidine	ug/L	100	135	135	15-133	L0
3-Nitroaniline	ug/L	100	86.4	86	36-111	
4-Bromophenylphenyl ether	ug/L	100	89.1	89	25-145	
4-Chloroaniline	ug/L	100	47.3	47	10-139	
4-Chlorophenylphenyl ether	ug/L	100	89.3	89	46-132	
4-Nitroaniline	ug/L	100	83.1	83	34-162	
Acenaphthene	ug/L	100	89.1	89	40-116	
Acenaphthylene	ug/L	100	86.8	87	40-117	
Acetophenone	ug/L	100	81.0	81	50-150	
Anthracene	ug/L	100	92.7	93	43-128	
Atrazine	ug/L	100	126	126	50-150	
Benzaldehyde	ug/L	100	156	156	50-150	L0
Benzo(a)anthracene	ug/L	100	98.4	98	51-120	
Benzo(a)pyrene	ug/L	100	91.6	92	36-132	
Benzo(b)fluoranthene	ug/L	100	95.8	96	37-130	
Benzo(g,h,i)perylene	ug/L	100	99.2	99	30-130	
Benzo(k)fluoranthene	ug/L	100	81.9	82	26-143	
Biphenyl (Diphenyl)	ug/L	100	85.8	86	50-150	
bis(2-Chloroethoxy)methane	ug/L	100	86.4	86	39-132	
bis(2-Chloroethyl) ether	ug/L	100	84.0	84	35-122	
bis(2-Ethylhexyl)phthalate	ug/L	100	86.1	86	51-149	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

LABORATORY CONTROL SAMPLE: 286985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Butylbenzylphthalate	ug/L	100	86.5	86	47-148	
Caprolactam	ug/L	100	23.6	24	50-150	L0
Carbazole	ug/L	100	91.6	92	35-159	
Chrysene	ug/L	100	92.9	93	45-129	
Di-n-butylphthalate	ug/L	100	88.7	89	40-156	
Di-n-octylphthalate	ug/L	100	83.7	84	54-153	
Dibenz(a,h)anthracene	ug/L	100	99.8	100	30-129	
Dibenzofuran	ug/L	100	86.1	86	43-138	
Diethylphthalate	ug/L	100	88.2	88	51-144	
Dimethylphthalate	ug/L	100	90.1	90	46-140	
Fluoranthene	ug/L	100	91.7	92	47-126	
Fluorene	ug/L	100	88.4	88	42-121	
Hexachloro-1,3-butadiene	ug/L	100	71.1	71	14-118	
Hexachlorobenzene	ug/L	100	79.1	79	19-138	
Hexachlorocyclopentadiene	ug/L	100	62.9	63	10-120	
Hexachloroethane	ug/L	100	62.1	62	10-114	
Indeno(1,2,3-cd)pyrene	ug/L	100	102	102	30-129	
Isophorone	ug/L	100	88.9	89	39-131	
N-Nitroso-di-n-propylamine	ug/L	100	79.2	79	35-129	
N-Nitrosodiphenylamine	ug/L	100	115	115	28-146	
Naphthalene	ug/L	100	79.7	80	31-118	
Nitrobenzene	ug/L	100	84.6	85	37-122	
Phenanthrene	ug/L	100	94.0	94	45-124	
Pyrene	ug/L	100	94.7	95	44-126	
2,4,6-Tribromophenol (S)	%			81	26-125	
2-Fluorobiphenyl (S)	%			87	31-114	
2-Fluorophenol (S)	%			59	13-100	
Nitrobenzene-d5 (S)	%			89	40-112	
Phenol-d6 (S)	%			38	10-100	
Terphenyl-d14 (S)	%			84	10-116	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286986 286987

Parameter	Units	5025166036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,2'-Oxybis(1-chloropropane)	ug/L	ND	238	192	189	149	79	78	50-150	24	20	R1
2,4-Dinitrotoluene	ug/L	ND	238	192	222	171	93	89	40-121	26	20	R1
2,6-Dinitrotoluene	ug/L	ND	238	192	219	173	92	90	33-135	24	20	R1
2-Chloronaphthalene	ug/L	ND	238	192	214	167	90	87	23-133	25	20	R1
2-Methylnaphthalene	ug/L	ND	238	192	199	157	84	82	29-122	24	20	R1
2-Nitroaniline	ug/L	ND	238	192	213	170	89	88	31-126	23	20	R1
3,3'-Dichlorobenzidine	ug/L	ND	238	192	322	258	135	134	10-120	22	20	M0,R1
3-Nitroaniline	ug/L	ND	238	192	197	158	83	82	19-102	22	20	R1
4-Bromophenylphenyl ether	ug/L	ND	238	192	226	176	95	92	26-140	25	20	R1
4-Chloroaniline	ug/L	ND	238	192	98.1	79.2	41	41	10-120	21	20	R1
4-Chlorophenylphenyl ether	ug/L	ND	238	192	221	175	93	91	37-123	24	20	R1
4-Nitroaniline	ug/L	ND	238	192	196	155	82	80	10-173	24	20	R1

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 286986 286987

Parameter	Units	5025166036 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/L	ND	238	192	222	172	93	90	39-116	25	20	R1
Acenaphthylene	ug/L	ND	238	192	217	170	91	88	38-120	24	20	R1
Acetophenone	ug/L	ND	238	192	191	152	80	79	50-150	23	20	R1
Anthracene	ug/L	ND	238	192	230	179	97	93	39-130	25	20	R1
Atrazine	ug/L	ND	238	192	303	240	127	125	50-150	23	20	R1
Benzaldehyde	ug/L	ND	238	192	369	293	155	152	50-150	23	20	M0,R1
Benzo(a)anthracene	ug/L	ND	238	192	249	194	105	101	31-116	25	20	R1
Benzo(a)pyrene	ug/L	ND	238	192	224	176	94	92	10-106	24	20	R1
Benzo(b)fluoranthene	ug/L	ND	238	192	231	181	97	94	10-110	24	20	R1
Benzo(g,h,i)perylene	ug/L	ND	238	192	241	189	101	98	10-120	24	20	R1
Benzo(k)fluoranthene	ug/L	ND	238	192	210	160	88	83	10-114	27	20	R1
Biphenyl (Diphenyl)	ug/L	ND	238	192	219	169	92	88	50-150	26	20	R1
bis(2-Chloroethoxy)methane	ug/L	ND	238	192	205	164	86	85	33-123	22	20	R1
bis(2-Chloroethyl) ether	ug/L	ND	238	192	200	157	84	82	10-136	24	20	R1
bis(2-Ethylhexyl)phthalate	ug/L	ND	238	192	213	168	89	88	49-129	23	20	R1
Butylbenzylphthalate	ug/L	ND	238	192	220	170	92	88	40-136	26	20	R1
Caprolactam	ug/L	ND	238	192	102	70.6	43	37	50-150	37	20	M0,R1
Carbazole	ug/L	ND	238	192	219	174	92	91	39-145	23	20	R1
Chrysene	ug/L	ND	238	192	231	181	97	94	26-121	24	20	R1
Di-n-butylphthalate	ug/L	ND	238	192	215	171	90	89	11-162	22	20	R1
Di-n-octylphthalate	ug/L	ND	238	192	208	162	87	84	46-142	25	20	R1
Dibenz(a,h)anthracene	ug/L	ND	238	192	251	192	105	100	10-120	26	20	R1
Dibenzofuran	ug/L	ND	238	192	214	166	90	86	22-136	25	20	R1
Diethylphthalate	ug/L	ND	238	192	212	164	89	85	36-137	25	20	R1
Dimethylphthalate	ug/L	ND	238	192	211	168	89	87	36-134	23	20	R1
Fluoranthene	ug/L	ND	238	192	227	176	95	91	41-126	25	20	R1
Fluorene	ug/L	ND	238	192	220	173	93	90	42-121	24	20	R1
Hexachloro-1,3-butadiene	ug/L	ND	238	192	205	156	86	81	22-115	27	20	R1
Hexachlorobenzene	ug/L	ND	238	192	194	151	82	78	24-119	25	20	R1
Hexachlorocyclopentadiene	ug/L	ND	238	192	170	144	71	75	14-120	16	20	R1
Hexachloroethane	ug/L	ND	238	192	165	130	69	67	12-116	24	20	R1
Indeno(1,2,3-cd)pyrene	ug/L	ND	238	192	254	195	107	101	10-120	26	20	R1
Isophorone	ug/L	ND	238	192	208	166	87	86	34-124	22	20	R1
N-Nitroso-di-n-propylamine	ug/L	ND	238	192	188	148	79	77	38-114	23	20	R1
N-Nitrosodiphenylamine	ug/L	ND	238	192	282	217	118	113	33-136	26	20	R1
Naphthalene	ug/L	ND	238	192	206	160	86	83	28-126	25	20	R1
Nitrobenzene	ug/L	ND	238	192	204	166	86	86	37-122	21	20	R1
Phenanthrene	ug/L	ND	238	192	231	181	97	94	43-126	24	20	R1
Pyrene	ug/L	ND	238	192	229	184	96	96	42-121	22	20	R1
2,4,6-Tribromophenol (S)	%						83	81	26-125		20	R1
2-Fluorobiphenyl (S)	%						93	89	31-114		20	R1
2-Fluorophenol (S)	%						79	73	13-100		20	R1
Nitrobenzene-d5 (S)	%						90	89	40-112		20	R1
Phenol-d6 (S)	%						63	56	10-100		20	R1
Terphenyl-d14 (S)	%						85	82	10-116		20	R1

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

QC Batch: MSV/15688 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5025200001, 5025200002, 5025200003, 5025200004, 5025200005, 5025200006

METHOD BLANK: 287769 Matrix: Water
Associated Lab Samples: 5025200001, 5025200002, 5025200003, 5025200004, 5025200005, 5025200006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	04/16/09 09:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	04/16/09 09:11	
1,1,2-Trichloroethane	ug/L	ND	5.0	04/16/09 09:11	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	5.0	04/16/09 09:11	
1,1-Dichloroethane	ug/L	ND	5.0	04/16/09 09:11	
1,1-Dichloroethene	ug/L	ND	5.0	04/16/09 09:11	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	04/16/09 09:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	04/16/09 09:11	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	04/16/09 09:11	
1,2-Dichlorobenzene	ug/L	ND	5.0	04/16/09 09:11	
1,2-Dichloroethane	ug/L	ND	5.0	04/16/09 09:11	
1,2-Dichloropropane	ug/L	ND	5.0	04/16/09 09:11	
1,3-Dichlorobenzene	ug/L	ND	5.0	04/16/09 09:11	
1,4-Dichlorobenzene	ug/L	ND	5.0	04/16/09 09:11	
2-Butanone (MEK)	ug/L	ND	25.0	04/16/09 09:11	
2-Hexanone	ug/L	ND	25.0	04/16/09 09:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	04/16/09 09:11	
Acetone	ug/L	ND	100	04/16/09 09:11	
Benzene	ug/L	ND	5.0	04/16/09 09:11	
Bromodichloromethane	ug/L	ND	5.0	04/16/09 09:11	
Bromoform	ug/L	ND	5.0	04/16/09 09:11	
Bromomethane	ug/L	ND	5.0	04/16/09 09:11	
Carbon disulfide	ug/L	ND	10.0	04/16/09 09:11	
Carbon tetrachloride	ug/L	ND	5.0	04/16/09 09:11	
Chlorobenzene	ug/L	ND	5.0	04/16/09 09:11	
Chloroethane	ug/L	ND	5.0	04/16/09 09:11	
Chloroform	ug/L	ND	5.0	04/16/09 09:11	
Chloromethane	ug/L	ND	5.0	04/16/09 09:11	
cis-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 09:11	
cis-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 09:11	
Cyclohexane	ug/L	ND	100	04/16/09 09:11	
Dibromochloromethane	ug/L	ND	5.0	04/16/09 09:11	
Dichlorodifluoromethane	ug/L	ND	5.0	04/16/09 09:11	
Ethylbenzene	ug/L	ND	5.0	04/16/09 09:11	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	04/16/09 09:11	
Methyl acetate	ug/L	ND	50.0	04/16/09 09:11	
Methyl-tert-butyl ether	ug/L	ND	4.0	04/16/09 09:11	
Methylcyclohexane	ug/L	ND	50.0	04/16/09 09:11	
Methylene chloride	ug/L	ND	5.0	04/16/09 09:11	
Styrene	ug/L	ND	5.0	04/16/09 09:11	
Tetrachloroethene	ug/L	ND	5.0	04/16/09 09:11	
Toluene	ug/L	ND	5.0	04/16/09 09:11	
trans-1,2-Dichloroethene	ug/L	ND	5.0	04/16/09 09:11	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

METHOD BLANK: 287769 Matrix: Water

Associated Lab Samples: 5025200001, 5025200002, 5025200003, 5025200004, 5025200005, 5025200006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
trans-1,3-Dichloropropene	ug/L	ND	5.0	04/16/09 09:11	
Trichloroethene	ug/L	ND	5.0	04/16/09 09:11	
Trichlorofluoromethane	ug/L	ND	5.0	04/16/09 09:11	
Vinyl chloride	ug/L	ND	2.0	04/16/09 09:11	
Xylene (Total)	ug/L	ND	10.0	04/16/09 09:11	
4-Bromofluorobenzene (S)	%	98	70-126	04/16/09 09:11	
Dibromofluoromethane (S)	%	104	80-123	04/16/09 09:11	
Toluene-d8 (S)	%	100	80-116	04/16/09 09:11	

LABORATORY CONTROL SAMPLE: 287770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.2	110	69-136	
1,1,2,2-Tetrachloroethane	ug/L	50	46.5	93	69-131	
1,1,2-Trichloroethane	ug/L	50	52.3	105	77-132	
1,1,2-Trichlorotrifluoroethane	ug/L	50	58.0	116	70-130	
1,1-Dichloroethane	ug/L	50	45.2	90	67-133	
1,1-Dichloroethene	ug/L	50	50.8	102	63-128	
1,2,4-Trichlorobenzene	ug/L	50	50.2	100	60-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.3	89	61-125	
1,2-Dibromoethane (EDB)	ug/L	50	52.0	104	75-126	
1,2-Dichlorobenzene	ug/L	50	52.4	105	76-124	
1,2-Dichloroethane	ug/L	50	45.1	90	69-139	
1,2-Dichloropropane	ug/L	50	48.8	98	76-129	
1,3-Dichlorobenzene	ug/L	50	52.9	106	76-125	
1,4-Dichlorobenzene	ug/L	50	51.1	102	75-122	
2-Butanone (MEK)	ug/L	250	254	102	47-189	
2-Hexanone	ug/L	250	278	111	57-167	
4-Methyl-2-pentanone (MIBK)	ug/L	250	228	91	61-135	
Acetone	ug/L	250	305	122	30-170	
Benzene	ug/L	50	49.3	99	78-127	
Bromodichloromethane	ug/L	50	54.2	108	69-133	
Bromoform	ug/L	50	49.4	99	60-127	
Bromomethane	ug/L	50	64.4	129	30-170	
Carbon disulfide	ug/L	100	118	118	58-152	
Carbon tetrachloride	ug/L	50	60.3	121	62-143	
Chlorobenzene	ug/L	50	51.2	102	75-123	
Chloroethane	ug/L	50	44.7	89	56-153	
Chloroform	ug/L	50	50.8	102	74-131	
Chloromethane	ug/L	50	40.3	81	35-147	
cis-1,2-Dichloroethene	ug/L	50	54.4	109	74-128	
cis-1,3-Dichloropropene	ug/L	50	54.1	108	58-123	
Cyclohexane	ug/L	50	47.8J	96	63-134	
Dibromochloromethane	ug/L	50	58.9	118	66-131	
Dichlorodifluoromethane	ug/L	50	55.5	111	30-170	

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QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

LABORATORY CONTROL SAMPLE: 287770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/L	50	50.2	100	81-126	
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	80-130	
Methyl acetate	ug/L	50	56.1	112	30-170	
Methyl-tert-butyl ether	ug/L	100	106	106	66-147	
Methylcyclohexane	ug/L	50	45.4J	91	65-135	
Methylene chloride	ug/L	50	45.4	91	32-164	
Styrene	ug/L	50	51.3	103	74-128	
Tetrachloroethene	ug/L	50	50.3	101	60-119	
Toluene	ug/L	50	50.0	100	75-129	
trans-1,2-Dichloroethene	ug/L	50	56.1	112	71-126	
trans-1,3-Dichloropropene	ug/L	50	47.3	95	54-123	
Trichloroethene	ug/L	50	53.1	106	74-130	
Trichlorofluoromethane	ug/L	50	47.7	95	62-150	
Vinyl chloride	ug/L	50	45.5	91	55-141	
Xylene (Total)	ug/L	150	150	100	76-132	
4-Bromofluorobenzene (S)	%			98	70-126	
Dibromofluoromethane (S)	%			100	80-123	
Toluene-d8 (S)	%			99	80-116	

MATRIX SPIKE SAMPLE: 287771

Parameter	Units	5025200006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	56.2	112	64-143	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	41.7	83	64-142	
1,1,2-Trichloroethane	ug/L	ND	50	48.6	97	71-143	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	62.7	125	70-130	
1,1-Dichloroethane	ug/L	ND	50	45.3	91	68-139	
1,1-Dichloroethene	ug/L	ND	50	54.0	108	55-140	
1,2,4-Trichlorobenzene	ug/L	ND	50	40.2	80	28-140	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	37.1	74	39-140	
1,2-Dibromoethane (EDB)	ug/L	ND	50	46.9	94	67-134	
1,2-Dichlorobenzene	ug/L	ND	50	49.1	98	48-137	
1,2-Dichloroethane	ug/L	ND	50	43.4	87	63-148	
1,2-Dichloropropane	ug/L	ND	50	50.9	102	70-136	
1,3-Dichlorobenzene	ug/L	ND	50	49.8	100	40-143	
1,4-Dichlorobenzene	ug/L	ND	50	48.3	97	38-142	
2-Butanone (MEK)	ug/L	ND	250	171	68	62-132	
2-Hexanone	ug/L	ND	250	190	76	61-141	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	188	75	57-135	
Acetone	ug/L	ND	250	168	67	30-170	
Benzene	ug/L	ND	50	51.3	103	63-141	
Bromodichloromethane	ug/L	ND	50	52.3	105	63-135	
Bromoform	ug/L	ND	50	42.4	85	58-124	
Bromomethane	ug/L	ND	50	60.7	121	30-170	
Carbon disulfide	ug/L	ND	100	124	124	46-162	
Carbon tetrachloride	ug/L	ND	50	61.7	123	54-145	
Chlorobenzene	ug/L	ND	50	50.8	102	56-133	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: Allison Transmission
Pace Project No.: 5025200

MATRIX SPIKE SAMPLE: 287771

Parameter	Units	5025200006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chloroethane	ug/L	ND	50	50.3	101	54-157	
Chloroform	ug/L	33.3	50	85.1	104	67-134	
Chloromethane	ug/L	ND	50	42.5	85	36-137	
cis-1,2-Dichloroethene	ug/L	ND	50	53.1	106	65-132	
cis-1,3-Dichloropropene	ug/L	ND	50	45.6	91	46-121	
Cyclohexane	ug/L	ND	50	52.7J	105	39-167	
Dibromochloromethane	ug/L	ND	50	52.4	105	64-124	
Dichlorodifluoromethane	ug/L	ND	50	62.2	124	30-163	
Ethylbenzene	ug/L	ND	50	51.2	102	44-151	
Isopropylbenzene (Cumene)	ug/L	ND	50	51.8	104	40-148	
Methyl acetate	ug/L	ND	50	32.9J	66	40-182	
Methyl-tert-butyl ether	ug/L	ND	100	94.4	94	52-156	
Methylcyclohexane	ug/L	ND	50	51.0	102	44-158	
Methylene chloride	ug/L	ND	50	43.4	87	46-154	
Styrene	ug/L	ND	50	50.2	100	38-141	
Tetrachloroethene	ug/L	ND	50	51.7	103	25-146	
Toluene	ug/L	ND	50	50.4	101	59-142	
trans-1,2-Dichloroethene	ug/L	ND	50	57.2	114	60-137	
trans-1,3-Dichloropropene	ug/L	ND	50	38.1	76	43-117	
Trichloroethene	ug/L	ND	50	55.7	111	61-137	
Trichlorofluoromethane	ug/L	ND	50	53.9	108	53-162	
Vinyl chloride	ug/L	ND	50	50.6	101	51-144	
Xylene (Total)	ug/L	ND	150	151	100	44-152	
4-Bromofluorobenzene (S)	%				98	70-126	
Dibromofluoromethane (S)	%				98	80-123	
Toluene-d8 (S)	%				97	80-116	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: Allison Transmission
Pace Project No.: 5025200

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.

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.

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

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

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery was outside laboratory control limits.
R1	RPD value was outside control limits.

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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

Required Client Information:

Company: ARCADIS	Report To: Heather Gastineau-Lyon
Address: 251 E Ohio St. Ste. 800	Copy To: Sarah Fisher
Indianapolis, IN 46204	Invoice To:
	P.O.:
Phone: 317 231 6500	Project Name:
Fax: 317 231 6514	Project Number:
E-mail: Heather.Gastineau-Lyon@arcadis-us.com	

Laboratory: PACE Analytical	
Laboratory Location: Indianapolis, IN	
Laboratory Contact:	
Requested Due Date:	TAT:
QA/QC Requirements: Level IV	

ID # № 08935

SSOW Ref. Code: E027021

50 25200

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 8260	Base Neutrals 8270	Remarks/Lab ID
1.	TB-1 (040909)-TP	WGQ	—	—	2		2					X		Lab Supplied 001
2.	MW-2-4-S2 (040909)	WG	4/9/09	1250	3		3					X		002
3.	MW-0704-S2 (040909)	↓	↓	1350	3		3					X		003
4.	MW-0705-S2 (040909)	↓	↓	1600	3		3					X		004
5.	MW2-3-S2 (040909)	↓	↓	1500	4	1	3					X	X	005
6.	MW-0810-S2 (040909)	↓	↓	1740	3		3					X		006
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	4-13-09	1553	[signature] / PACE	4-13-09	1553
AIRBILL NO.							

Sample Condition

Temp in °C	2.0
Received on Ice	Y / N
Sealed Cooler	Y / N
Samples Intact	Y / N

Additional Comments: 180K LL WI Client del

Sampler Name: Tim Porter

Sampler Signature: [signature] Date: 4-9-09

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

REV. 0 (6/04)

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Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 5825200

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional
Proj. Due Date:
Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☒ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 123456 **Type of Ice:** (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 2°C **Biological Tissue is Frozen:** Yes (No)

Date and Initials of person examining contents: LC 4/13/09

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.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: Water		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: (VOA, coliform, TOC, O&G, WI-DRO (water))	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	2 VOAs.
Pace Trip Blank Lot # (if purchased): _____		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4/13/09

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALLC003rev.3, 11September2006

Pace Analytical®
www.pacelabs.com

VOA 8260B
GC/MS Volatiles

Project Number 5025200

Initials/ Date Compiled ABB 4/17/09

Section 1: Prep and Analytical Information

**** Sample Preparation Logs***
**** Sample Analysis Logs***
**** QC Summary Sheets***

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040909)-TP
Lab ID: 5025200001
Collected: 04/09/09 08:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	5.2	1		04/16/09 09:41	
71-43-2	Benzene	ND	ug/L	5.0	0.10	1		04/16/09 09:41	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	1		04/16/09 09:41	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	1		04/16/09 09:41	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	1		04/16/09 09:41	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	1		04/16/09 09:41	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	1		04/16/09 09:41	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	1		04/16/09 09:41	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	1		04/16/09 09:41	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	1		04/16/09 09:41	
67-66-3	Chloroform	ND	ug/L	5.0	0.14	1		04/16/09 09:41	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	1		04/16/09 09:41	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	1		04/16/09 09:41	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	1		04/16/09 09:41	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	1		04/16/09 09:41	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	1		04/16/09 09:41	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	1		04/16/09 09:41	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	1		04/16/09 09:41	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	1		04/16/09 09:41	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	1		04/16/09 09:41	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.085	1		04/16/09 09:41	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	1		04/16/09 09:41	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 09:41	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.20	1		04/16/09 09:41	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.15	1		04/16/09 09:41	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	1		04/16/09 09:41	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	1		04/16/09 09:41	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	1		04/16/09 09:41	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	1		04/16/09 09:41	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	1		04/16/09 09:41	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	1		04/16/09 09:41	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 09:41	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 09:41	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	1		04/16/09 09:41	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	1		04/16/09 09:41	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	1		04/16/09 09:41	
100-42-5	Styrene	ND	ug/L	5.0	0.12	1		04/16/09 09:41	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	1		04/16/09 09:41	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	1		04/16/09 09:41	
108-88-3	Toluene	ND	ug/L	5.0	0.073	1		04/16/09 09:41	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	1		04/16/09 09:41	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.11	1		04/16/09 09:41	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	1		04/16/09 09:41	

Date: 04/29/2009 01:08 PM

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: TB-1(040909)-TP
Lab ID: 5025200001
Collected: 04/09/09 08:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 09:41	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	1		04/16/09 09:41	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	1		04/16/09 09:41	
75-01-4	Vinyl chloride	ND	ug/L	2.0	0.18	1		04/16/09 09:41	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.31	1		04/16/09 09:41	
1868-53-7	Dibromofluoromethane (S)	**103**	%	80-123		1		04/16/09 09:41	
460-00-4	4-Bromofluorobenzene (S)	**98**	%	70-126		1		04/16/09 09:41	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/16/09 09:41	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-2-4-S2(040909)
Lab ID: 5025200002
Collected: 04/09/09 12:50
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	5.2	1		04/16/09 10:11	
71-43-2	Benzene	ND	ug/L	5.0	0.10	1		04/16/09 10:11	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	1		04/16/09 10:11	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	1		04/16/09 10:11	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	1		04/16/09 10:11	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	1		04/16/09 10:11	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	1		04/16/09 10:11	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	1		04/16/09 10:11	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	1		04/16/09 10:11	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	1		04/16/09 10:11	
67-66-3	Chloroform	ND	ug/L	5.0	0.14	1		04/16/09 10:11	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	1		04/16/09 10:11	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	1		04/16/09 10:11	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	1		04/16/09 10:11	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	1		04/16/09 10:11	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	1		04/16/09 10:11	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	1		04/16/09 10:11	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	1		04/16/09 10:11	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	1		04/16/09 10:11	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	1		04/16/09 10:11	
75-34-3	1,1-Dichloroethane	**176**	ug/L	5.0	0.085	1		04/16/09 10:11	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	1		04/16/09 10:11	
75-35-4	1,1-Dichloroethene	**83.8**	ug/L	5.0	0.18	1		04/16/09 10:11	
156-59-2	cis-1,2-Dichloroethene	**1590**	ug/L	50.0	2.0	10		04/17/09 02:41	
156-60-5	trans-1,2-Dichloroethene	**997**	ug/L	50.0	1.5	10		04/17/09 02:41	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	1		04/16/09 10:11	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	1		04/16/09 10:11	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	1		04/16/09 10:11	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	1		04/16/09 10:11	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	1		04/16/09 10:11	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	1		04/16/09 10:11	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 10:11	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 10:11	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	1		04/16/09 10:11	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	1		04/16/09 10:11	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	1		04/16/09 10:11	
100-42-5	Styrene	ND	ug/L	5.0	0.12	1		04/16/09 10:11	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	1		04/16/09 10:11	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	1		04/16/09 10:11	
108-88-3	Toluene	ND	ug/L	5.0	0.073	1		04/16/09 10:11	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	1		04/16/09 10:11	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.11	1		04/16/09 10:11	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	1		04/16/09 10:11	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-2-4-S2(040909)
Lab ID: 5025200002
Collected: 04/09/09 12:50
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**178**	ug/L	5.0	0.18	1		04/16/09 10:11	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	1		04/16/09 10:11	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	1		04/16/09 10:11	
75-01-4	Vinyl chloride	**388**	ug/L	20.0	1.8	10		04/17/09 02:41	
1330-20-7	Xylene (Total)	**16.7**	ug/L	10.0	0.31	1		04/16/09 10:11	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		04/16/09 10:11	
460-00-4	4-Bromofluorobenzene (S)	**97**	%	70-126		1		04/16/09 10:11	
2037-26-5	Toluene-d8 (S)	**95**	%	80-116		1		04/16/09 10:11	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0704-S2(040909)
Lab ID: 5025200003
Collected: 04/09/09 13:50
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	5.2	1		04/16/09 10:40	
71-43-2	Benzene	ND	ug/L	5.0	0.10	1		04/16/09 10:40	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	1		04/16/09 10:40	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	1		04/16/09 10:40	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	1		04/16/09 10:40	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	1		04/16/09 10:40	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	1		04/16/09 10:40	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	1		04/16/09 10:40	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	1		04/16/09 10:40	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	1		04/16/09 10:40	
67-66-3	Chloroform	ND	ug/L	5.0	0.14	1		04/16/09 10:40	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	1		04/16/09 10:40	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	1		04/16/09 10:40	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	1		04/16/09 10:40	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	1		04/16/09 10:40	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	1		04/16/09 10:40	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	1		04/16/09 10:40	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	1		04/16/09 10:40	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	1		04/16/09 10:40	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	1		04/16/09 10:40	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.085	1		04/16/09 10:40	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	1		04/16/09 10:40	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 10:40	
156-59-2	cis-1,2-Dichloroethene	**96.6**	ug/L	5.0	0.20	1		04/16/09 10:40	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.15	1		04/16/09 10:40	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	1		04/16/09 10:40	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	1		04/16/09 10:40	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	1		04/16/09 10:40	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	1		04/16/09 10:40	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	1		04/16/09 10:40	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	1		04/16/09 10:40	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 10:40	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 10:40	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	1		04/16/09 10:40	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	1		04/16/09 10:40	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	1		04/16/09 10:40	
100-42-5	Styrene	ND	ug/L	5.0	0.12	1		04/16/09 10:40	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	1		04/16/09 10:40	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	1		04/16/09 10:40	
108-88-3	Toluene	ND	ug/L	5.0	0.073	1		04/16/09 10:40	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	1		04/16/09 10:40	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.11	1		04/16/09 10:40	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	1		04/16/09 10:40	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0704-S2(040909)
Lab ID: 5025200003
Collected: 04/09/09 13:50
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 10:40	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	1		04/16/09 10:40	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	1		04/16/09 10:40	
75-01-4	Vinyl chloride	**185**	ug/L	2.0	0.18	1		04/16/09 10:40	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.31	1		04/16/09 10:40	
1868-53-7	Dibromofluoromethane (S)	**99**	%	80-123		1		04/16/09 10:40	
460-00-4	4-Bromofluorobenzene (S)	**99**	%	70-126		1		04/16/09 10:40	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/16/09 10:40	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0705-S2(040909)
Lab ID: 5025200004
Collected: 04/09/09 16:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	5.2	1		04/16/09 11:10	
71-43-2	Benzene	ND	ug/L	5.0	0.10	1		04/16/09 11:10	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	1		04/16/09 11:10	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	1		04/16/09 11:10	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	1		04/16/09 11:10	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	1		04/16/09 11:10	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	1		04/16/09 11:10	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	1		04/16/09 11:10	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	1		04/16/09 11:10	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	1		04/16/09 11:10	
67-66-3	Chloroform	ND	ug/L	5.0	0.14	1		04/16/09 11:10	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	1		04/16/09 11:10	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	1		04/16/09 11:10	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	1		04/16/09 11:10	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	1		04/16/09 11:10	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	1		04/16/09 11:10	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	1		04/16/09 11:10	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	1		04/16/09 11:10	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	1		04/16/09 11:10	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	1		04/16/09 11:10	
75-34-3	1,1-Dichloroethane	**8.9**	ug/L	5.0	0.085	1		04/16/09 11:10	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	1		04/16/09 11:10	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 11:10	
156-59-2	cis-1,2-Dichloroethene	**34.7**	ug/L	5.0	0.20	1		04/16/09 11:10	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.15	1		04/16/09 11:10	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	1		04/16/09 11:10	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	1		04/16/09 11:10	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	1		04/16/09 11:10	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	1		04/16/09 11:10	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	1		04/16/09 11:10	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	1		04/16/09 11:10	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 11:10	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 11:10	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	1		04/16/09 11:10	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	1		04/16/09 11:10	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	1		04/16/09 11:10	
100-42-5	Styrene	ND	ug/L	5.0	0.12	1		04/16/09 11:10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	1		04/16/09 11:10	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	1		04/16/09 11:10	
108-88-3	Toluene	ND	ug/L	5.0	0.073	1		04/16/09 11:10	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	1		04/16/09 11:10	
71-55-6	1,1,1-Trichloroethane	**8.1**	ug/L	5.0	0.11	1		04/16/09 11:10	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	1		04/16/09 11:10	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0705-S2(040909)
Lab ID: 5025200004
Collected: 04/09/09 16:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	**93.1**	ug/L	5.0	0.18	1		04/16/09 11:10	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	1		04/16/09 11:10	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	1		04/16/09 11:10	
75-01-4	Vinyl chloride	ND	ug/L	2.0	0.18	1		04/16/09 11:10	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.31	1		04/16/09 11:10	
1868-53-7	Dibromofluoromethane (S)	**102**	%	80-123		1		04/16/09 11:10	
460-00-4	4-Bromofluorobenzene (S)	**94**	%	70-126		1		04/16/09 11:10	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/16/09 11:10	

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ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW2-3-S2(040909)
Lab ID: 5025200005
Collected: 04/09/09 15:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	5.2	1		04/16/09 11:40	
71-43-2	Benzene	ND	ug/L	5.0	0.10	1		04/16/09 11:40	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	1		04/16/09 11:40	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	1		04/16/09 11:40	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	1		04/16/09 11:40	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	1		04/16/09 11:40	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	1		04/16/09 11:40	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	1		04/16/09 11:40	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	1		04/16/09 11:40	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	1		04/16/09 11:40	
67-66-3	Chloroform	ND	ug/L	5.0	0.14	1		04/16/09 11:40	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	1		04/16/09 11:40	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	1		04/16/09 11:40	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	1		04/16/09 11:40	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	1		04/16/09 11:40	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	1		04/16/09 11:40	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	1		04/16/09 11:40	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	1		04/16/09 11:40	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	1		04/16/09 11:40	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	1		04/16/09 11:40	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.085	1		04/16/09 11:40	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	1		04/16/09 11:40	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 11:40	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.20	1		04/16/09 11:40	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.15	1		04/16/09 11:40	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	1		04/16/09 11:40	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	1		04/16/09 11:40	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	1		04/16/09 11:40	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	1		04/16/09 11:40	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	1		04/16/09 11:40	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	1		04/16/09 11:40	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 11:40	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 11:40	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	1		04/16/09 11:40	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	1		04/16/09 11:40	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	1		04/16/09 11:40	
100-42-5	Styrene	ND	ug/L	5.0	0.12	1		04/16/09 11:40	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	1		04/16/09 11:40	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	1		04/16/09 11:40	
108-88-3	Toluene	ND	ug/L	5.0	0.073	1		04/16/09 11:40	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	1		04/16/09 11:40	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.11	1		04/16/09 11:40	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	1		04/16/09 11:40	

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW2-3-S2(040909)
Lab ID: 5025200005
Collected: 04/09/09 15:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 11:40	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	1		04/16/09 11:40	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	1		04/16/09 11:40	
75-01-4	Vinyl chloride	ND	ug/L	2.0	0.18	1		04/16/09 11:40	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.31	1		04/16/09 11:40	
1868-53-7	Dibromofluoromethane (S)	**98**	%	80-123		1		04/16/09 11:40	
460-00-4	4-Bromofluorobenzene (S)	**97**	%	70-126		1		04/16/09 11:40	
2037-26-5	Toluene-d8 (S)	**97**	%	80-116		1		04/16/09 11:40	

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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0810-S2(040909)
Lab ID: 5025200006
Collected: 04/09/09 17:40
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
67-64-1	Acetone	ND	ug/L	100	5.2	1		04/16/09 12:10	
71-43-2	Benzene	ND	ug/L	5.0	0.10	1		04/16/09 12:10	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	1		04/16/09 12:10	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	1		04/16/09 12:10	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	1		04/16/09 12:10	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	1		04/16/09 12:10	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	1		04/16/09 12:10	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	1		04/16/09 12:10	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	1		04/16/09 12:10	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	1		04/16/09 12:10	
67-66-3	Chloroform	**33.3**	ug/L	5.0	0.14	1		04/16/09 12:10	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	1		04/16/09 12:10	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	1		04/16/09 12:10	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	1		04/16/09 12:10	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	1		04/16/09 12:10	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	1		04/16/09 12:10	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	1		04/16/09 12:10	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	1		04/16/09 12:10	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	1		04/16/09 12:10	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	1		04/16/09 12:10	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.085	1		04/16/09 12:10	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	1		04/16/09 12:10	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 12:10	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.20	1		04/16/09 12:10	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.15	1		04/16/09 12:10	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	1		04/16/09 12:10	
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	1		04/16/09 12:10	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	1		04/16/09 12:10	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	1		04/16/09 12:10	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	1		04/16/09 12:10	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	1		04/16/09 12:10	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	1		04/16/09 12:10	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	1		04/16/09 12:10	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	1		04/16/09 12:10	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	1		04/16/09 12:10	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	1		04/16/09 12:10	
100-42-5	Styrene	ND	ug/L	5.0	0.12	1		04/16/09 12:10	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	1		04/16/09 12:10	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	1		04/16/09 12:10	
108-88-3	Toluene	ND	ug/L	5.0	0.073	1		04/16/09 12:10	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	1		04/16/09 12:10	
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.11	1		04/16/09 12:10	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	1		04/16/09 12:10	

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8260 MSV
Prep/Method: EPA 8260

Sample: MW-0810-S2(040909)
Lab ID: 5025200006
Collected: 04/09/09 17:40
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
79-01-6	Trichloroethene	ND	ug/L	5.0	0.18	1		04/16/09 12:10	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	1		04/16/09 12:10	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	1		04/16/09 12:10	
75-01-4	Vinyl chloride	ND	ug/L	2.0	0.18	1		04/16/09 12:10	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.31	1		04/16/09 12:10	
1868-53-7	Dibromofluoromethane (S)	**97**	%	80-123		1		04/16/09 12:10	
460-00-4	4-Bromofluorobenzene (S)	**97**	%	70-126		1		04/16/09 12:10	
2037-26-5	Toluene-d8 (S)	**96**	%	80-116		1		04/16/09 12:10	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV/15688 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025200001, 5025200002, 5025200003, 5025200004, 5025200005, 5025200006

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
71-55-6	1,1,1-Trichloroethane	ND	ug/L	5.0	0.11	04/16/09	
79-34-5	1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	0.22	04/16/09	
79-00-5	1,1,2-Trichloroethane	ND	ug/L	5.0	0.24	04/16/09	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	0.22	04/16/09	
75-34-3	1,1-Dichloroethane	ND	ug/L	5.0	0.085	04/16/09	
75-35-4	1,1-Dichloroethene	ND	ug/L	5.0	0.18	04/16/09	
120-82-1	1,2,4-Trichlorobenzene	ND	ug/L	5.0	0.19	04/16/09	
96-12-8	1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	1.0	04/16/09	
106-93-4	1,2-Dibromoethane (EDB)	ND	ug/L	5.0	0.14	04/16/09	
95-50-1	1,2-Dichlorobenzene	ND	ug/L	5.0	0.11	04/16/09	
107-06-2	1,2-Dichloroethane	ND	ug/L	5.0	0.055	04/16/09	
78-87-5	1,2-Dichloropropane	ND	ug/L	5.0	0.10	04/16/09	
541-73-1	1,3-Dichlorobenzene	ND	ug/L	5.0	0.18	04/16/09	
106-46-7	1,4-Dichlorobenzene	ND	ug/L	5.0	0.17	04/16/09	
78-93-3	2-Butanone (MEK)	ND	ug/L	25.0	0.71	04/16/09	
591-78-6	2-Hexanone	ND	ug/L	25.0	0.35	04/16/09	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	0.49	04/16/09	
67-64-1	Acetone	ND	ug/L	100	5.2	04/16/09	
71-43-2	Benzene	ND	ug/L	5.0	0.10	04/16/09	
75-27-4	Bromodichloromethane	ND	ug/L	5.0	0.081	04/16/09	
75-25-2	Bromoform	ND	ug/L	5.0	0.10	04/16/09	
74-83-9	Bromomethane	ND	ug/L	5.0	0.42	04/16/09	
75-15-0	Carbon disulfide	ND	ug/L	10.0	0.26	04/16/09	
56-23-5	Carbon tetrachloride	ND	ug/L	5.0	0.15	04/16/09	
108-90-7	Chlorobenzene	ND	ug/L	5.0	0.052	04/16/09	
75-00-3	Chloroethane	ND	ug/L	5.0	0.12	04/16/09	
67-66-3	Chloroform	ND	ug/L	5.0	0.14	04/16/09	
74-87-3	Chloromethane	ND	ug/L	5.0	0.11	04/16/09	
156-59-2	cis-1,2-Dichloroethene	ND	ug/L	5.0	0.20	04/16/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV/15688 **Prepared:**
Method(s): EPA 8260
Associated Lab Samples: 5025200001, 5025200002, 5025200003, 5025200004, 5025200005, 5025200006

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
10061-01-5	cis-1,3-Dichloropropene	ND	ug/L	5.0	0.093	04/16/09	
110-82-7	Cyclohexane	ND	ug/L	100	0.12	04/16/09	
124-48-1	Dibromochloromethane	ND	ug/L	5.0	0.19	04/16/09	
75-71-8	Dichlorodifluoromethane	ND	ug/L	5.0	0.14	04/16/09	
100-41-4	Ethylbenzene	ND	ug/L	5.0	0.13	04/16/09	
98-82-8	Isopropylbenzene (Cumene)	ND	ug/L	5.0	0.10	04/16/09	
79-20-9	Methyl acetate	ND	ug/L	50.0	25.0	04/16/09	
1634-04-4	Methyl-tert-butyl ether	ND	ug/L	4.0	0.19	04/16/09	
108-87-2	Methylcyclohexane	ND	ug/L	50.0	25.0	04/16/09	
75-09-2	Methylene chloride	ND	ug/L	5.0	0.29	04/16/09	
100-42-5	Styrene	ND	ug/L	5.0	0.12	04/16/09	
127-18-4	Tetrachloroethene	ND	ug/L	5.0	0.26	04/16/09	
108-88-3	Toluene	ND	ug/L	5.0	0.073	04/16/09	
156-60-5	trans-1,2-Dichloroethene	ND	ug/L	5.0	0.15	04/16/09	
10061-02-6	trans-1,3-Dichloropropene	ND	ug/L	5.0	0.14	04/16/09	
79-01-6	Trichloroethene	ND	ug/L	5.0	0.18	04/16/09	
75-69-4	Trichlorofluoromethane	ND	ug/L	5.0	0.11	04/16/09	
75-01-4	Vinyl chloride	ND	ug/L	2.0	0.18	04/16/09	
1330-20-7	Xylene (Total)	ND	ug/L	10.0	0.31	04/16/09	

Type	Sample	Matrix
BLANK	287769	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV / 15688
Method(s): EPA 8260 / EPA 8260

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
287769	BLANK		1	98		104		100							
5025200001		TB-1(040909)-TP	1	98		103		96							
287770	LCS		1	98		100		99							
5025200002		MW-2-4-S2(040909)	1	97		98		95							
287771	MS		1	98		98		97							
5025200003		MW-0704-S2(040909)	1	99		99		96							
5025200004		MW-0705-S2(040909)	1	94		102		96							
5025200005		MW2-3-S2(040909)	1	97		98		97							
5025200006		MW-0810-S2(040909)	1	97		97		96							
			QC Limits:	70-126		80-123		80-116							

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV/15688 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
1,1,1-Trichloroethane	110			69-136		50	55.2		ug/L	04/16/09			
1,1,2,2-Tetrachloroethane	93			69-131		50	46.5		ug/L	04/16/09			
1,1,2-Trichloroethane	105			77-132		50	52.3		ug/L	04/16/09			
1,1,2-Trichlorotrifluoroethane	116			70-130		50	58.0		ug/L	04/16/09			
1,1-Dichloroethane	90			67-133		50	45.2		ug/L	04/16/09			
1,1-Dichloroethene	102			63-128		50	50.8		ug/L	04/16/09			
1,2,4-Trichlorobenzene	100			60-130		50	50.2		ug/L	04/16/09			
1,2-Dibromo-3-chloropropane	89			61-125		50	44.3		ug/L	04/16/09			
1,2-Dibromoethane (EDB)	104			75-126		50	52.0		ug/L	04/16/09			
1,2-Dichlorobenzene	105			76-124		50	52.4		ug/L	04/16/09			
1,2-Dichloroethane	90			69-139		50	45.1		ug/L	04/16/09			
1,2-Dichloropropane	98			76-129		50	48.8		ug/L	04/16/09			
1,3-Dichlorobenzene	106			76-125		50	52.9		ug/L	04/16/09			
1,4-Dichlorobenzene	102			75-122		50	51.1		ug/L	04/16/09			
2-Butanone (MEK)	102			47-189		250	254		ug/L	04/16/09			
2-Hexanone	111			57-167		250	278		ug/L	04/16/09			
4-Methyl-2-pentanone (MIBK)	91			61-135		250	228		ug/L	04/16/09			
Acetone	122			30-170		250	305		ug/L	04/16/09			
Benzene	99			78-127		50	49.3		ug/L	04/16/09			
Bromodichloromethane	108			69-133		50	54.2		ug/L	04/16/09			
Bromoform	99			60-127		50	49.4		ug/L	04/16/09			
Bromomethane	129			30-170		50	64.4		ug/L	04/16/09			
Carbon disulfide	118			58-152		100	118		ug/L	04/16/09			
Carbon tetrachloride	121			62-143		50	60.3		ug/L	04/16/09			
Chlorobenzene	102			75-123		50	51.2		ug/L	04/16/09			
Chloroethane	89			56-153		50	44.7		ug/L	04/16/09			
Chloroform	102			74-131		50	50.8		ug/L	04/16/09			
Chloromethane	81			35-147		50	40.3		ug/L	04/16/09			
cis-1,2-Dichloroethene	109			74-128		50	54.4		ug/L	04/16/09			

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV/15688 **LCS Prepared:**
Method(s): EPA 8260 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
cis-1,3-Dichloropropene	108			58-123		50	54.1		ug/L	04/16/09			
Cyclohexane	96			63-134		50	47.8J		ug/L	04/16/09			
Dibromochloromethane	118			66-131		50	58.9		ug/L	04/16/09			
Dichlorodifluoromethane	111			30-170		50	55.5		ug/L	04/16/09			
Ethylbenzene	100			81-126		50	50.2		ug/L	04/16/09			
Isopropylbenzene (Cumene)	103			80-130		50	51.7		ug/L	04/16/09			
Methyl acetate	112			30-170		50	56.1		ug/L	04/16/09			
Methyl-tert-butyl ether	106			66-147		100	106		ug/L	04/16/09			
Methylcyclohexane	91			65-135		50	45.4J		ug/L	04/16/09			
Methylene chloride	91			32-164		50	45.4		ug/L	04/16/09			
Styrene	103			74-128		50	51.3		ug/L	04/16/09			
Tetrachloroethene	101			60-119		50	50.3		ug/L	04/16/09			
Toluene	100			75-129		50	50.0		ug/L	04/16/09			
trans-1,2-Dichloroethene	112			71-126		50	56.1		ug/L	04/16/09			
trans-1,3-Dichloropropene	95			54-123		50	47.3		ug/L	04/16/09			
Trichloroethene	106			74-130		50	53.1		ug/L	04/16/09			
Trichlorofluoromethane	95			62-150		50	47.7		ug/L	04/16/09			
Vinyl chloride	91			55-141		50	45.5		ug/L	04/16/09			
Xylene (Total)	100			76-132		150	150		ug/L	04/16/09			

Type	Sample
LCS	287770

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV/15688
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
1,1,1-Trichloroethane	ug/L	ND	50		56.2		1		112		64-143			04/16/09			
1,1,2,2-Tetrachloroethane	ug/L	ND	50		41.7		1		83		64-142			04/16/09			
1,1,2-Trichloroethane	ug/L	ND	50		48.6		1		97		71-143			04/16/09			
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50		62.7		1		125		70-130			04/16/09			
1,1-Dichloroethane	ug/L	ND	50		45.3		1		91		68-139			04/16/09			
1,1-Dichloroethene	ug/L	ND	50		54.0		1		108		55-140			04/16/09			
1,2,4-Trichlorobenzene	ug/L	ND	50		40.2		1		80		28-140			04/16/09			
1,2-Dibromo-3-chloropropane	ug/L	ND	50		37.1		1		74		39-140			04/16/09			
1,2-Dibromoethane (EDB)	ug/L	ND	50		46.9		1		94		67-134			04/16/09			
1,2-Dichlorobenzene	ug/L	ND	50		49.1		1		98		48-137			04/16/09			
1,2-Dichloroethane	ug/L	ND	50		43.4		1		87		63-148			04/16/09			
1,2-Dichloropropane	ug/L	ND	50		50.9		1		102		70-136			04/16/09			
1,3-Dichlorobenzene	ug/L	ND	50		49.8		1		100		40-143			04/16/09			
1,4-Dichlorobenzene	ug/L	ND	50		48.3		1		97		38-142			04/16/09			
2-Butanone (MEK)	ug/L	ND	250		171		1		68		62-132			04/16/09			
2-Hexanone	ug/L	ND	250		190		1		76		61-141			04/16/09			
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250		188		1		75		57-135			04/16/09			
Acetone	ug/L	ND	250		168		1		67		30-170			04/16/09			
Benzene	ug/L	ND	50		51.3		1		103		63-141			04/16/09			
Bromodichloromethane	ug/L	ND	50		52.3		1		105		63-135			04/16/09			
Bromoform	ug/L	ND	50		42.4		1		85		58-124			04/16/09			
Bromomethane	ug/L	ND	50		60.7		1		121		30-170			04/16/09			
Carbon disulfide	ug/L	ND	100		124		1		124		46-162			04/16/09			
Carbon tetrachloride	ug/L	ND	50		61.7		1		123		54-145			04/16/09			
Chlorobenzene	ug/L	ND	50		50.8		1		102		56-133			04/16/09			
Chloroethane	ug/L	ND	50		50.3		1		101		54-157			04/16/09			
Chloroform	ug/L	33.3	50		85.1		1		104		67-134			04/16/09			
Chloromethane	ug/L	ND	50		42.5		1		85		36-137			04/16/09			
cis-1,2-Dichloroethene	ug/L	ND	50		53.1		1		106		65-132			04/16/09			

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: MSV/15688
Method(s): EPA 8260

MS Prepared:
MSD Prepared:

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
cis-1,3-Dichloropropene	ug/L	ND	50		45.6		1		91		46-121			04/16/09			
Cyclohexane	ug/L	ND	50		52.7J		1		105		39-167			04/16/09			
Dibromochloromethane	ug/L	ND	50		52.4		1		105		64-124			04/16/09			
Dichlorodifluoromethane	ug/L	ND	50		62.2		1		124		30-163			04/16/09			
Ethylbenzene	ug/L	ND	50		51.2		1		102		44-151			04/16/09			
Isopropylbenzene (Cumene)	ug/L	ND	50		51.8		1		104		40-148			04/16/09			
Methyl acetate	ug/L	ND	50		32.9J		1		66		40-182			04/16/09			
Methyl-tert-butyl ether	ug/L	ND	100		94.4		1		94		52-156			04/16/09			
Methylcyclohexane	ug/L	ND	50		51.0		1		102		44-158			04/16/09			
Methylene chloride	ug/L	ND	50		43.4		1		87		46-154			04/16/09			
Styrene	ug/L	ND	50		50.2		1		100		38-141			04/16/09			
Tetrachloroethene	ug/L	ND	50		51.7		1		103		25-146			04/16/09			
Toluene	ug/L	ND	50		50.4		1		101		59-142			04/16/09			
trans-1,2-Dichloroethene	ug/L	ND	50		57.2		1		114		60-137			04/16/09			
trans-1,3-Dichloropropene	ug/L	ND	50		38.1		1		76		43-117			04/16/09			
Trichloroethene	ug/L	ND	50		55.7		1		111		61-137			04/16/09			
Trichlorofluoromethane	ug/L	ND	50		53.9		1		108		53-162			04/16/09			
Vinyl chloride	ug/L	ND	50		50.6		1		101		51-144			04/16/09			
Xylene (Total)	ug/L	ND	150		151		1		100		44-152			04/16/09			

Type	Sample	Client Sample ID
MS	287771	MW-0810-S2(040909)

REPORT OF LABORATORY ANALYSIS

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INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV4.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method: IS/$ MSV071C CCV MSV072E
Surr. lot: LCS MSV072D GAS MSV072F
Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/a00bfb.D	bfb050	L/	BFB	1	-BFB390	3/05/09	14:56	slb	
1/a01cal.D	0.5ppb	L/	CALIB_1	1	-A8260	3/05/09	15:26	slb	
1/a02cal.D	1ppb	L/	CALIB_2	1	-A8260	3/05/09	15:56	slb	
1/a03cal.D	5ppb	L/	CALIB_3	1	-A8260	3/05/09	16:26	slb	
1/a04cal.D	10ppb	L/	CALIB_4	1	-A8260	3/05/09	16:56	slb	
1/a05cal.D	50ppb	L/	CALIB_5	1	-A8260	3/05/09	17:26	slb	
1/a05ccv.D	ccv	L/	CCALIB_5	1	-A8260	3/05/09	17:26	slb	
1/a06cal.D	100ppb	L/	CALIB_6	1	-A8260	3/05/09	17:56	slb	
1/a07cal.D	200ppb	L/	CALIB_7	1	-A8260	3/05/09	18:26	slb	
1/a08cal.D	300ppb	L/	CALIB_8	1	-A8260	3/05/09	18:56	slb	
1/a09.D	fill	L/	SAMPLE	1	-A8260	3/05/09	19:25	slb	
1/a10icv.D	icv	L/	ICV	1	-A8260	3/05/09	19:55	slb	
1/a11mb.D	mb	L/	BLANK	1	-A8260	3/05/09	20:25	slb	
1/c00bfb.D	bfb050	L/	BFB	1	-BFB390	3/05/09	20:55	slb	
1/c01ccv.D	ccv	L/	CCALIB_5	1	-A8260	3/05/09	21:25	slb	UST only
1/c02lcs.D	lcs	L/	LCS	1	-A8260	3/05/09	21:54	slb	
1/c03mb.D	mb	L/	BLANK	1	-A8260	3/05/09	22:24	slb	
1/c04.D	5023780001	L/	SAMPLE	10	-A8260	3/05/09	22:54	slb	B,MQ2
1/c05.D	5023780001	L/	SAMPLE	100	-A8260	3/05/09	23:24	slb	
1/c06.D	5023780002	L/	SAMPLE	1	-A8260	3/05/09	23:54	slb	
1/c07.D A	5023780003	L/	SAMPLE	1	-A8260	3/06/09	00:24	slb	
1/c08.D	5023780004	L/	SAMPLE	1	-A8260	3/06/09	00:53	slb	
1/c09.D	5023780005	L/	SAMPLE	1	-A8260	3/06/09	01:23	slb	
1/c10.D	5023780006	L/	SAMPLE	1	-A8260	3/06/09	01:53	slb	
1/c11.D	ms5023780006	L/	MS	1	-A8260	3/06/09	02:23	slb	
1/c12.D	5023780007	L/	SAMPLE	1	-A8260	3/06/09	02:53	slb	
1/c13.D	5023780008	L/	SAMPLE	1	-A8260	3/06/09	03:23	slb	
1/c14.D	5023780009	L/	SAMPLE	1	-A8260	3/06/09	03:53	slb	MQ-10X
1/c15.D	5023780011	L/	SAMPLE	1	-A8260	3/06/09	04:23	slb	

MSV 14771

File Path 1: \\50Wintarget\chem\50MSV4.i\a030509a.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 07:33 03/06/2009

Page: 1

All water samples have a pH below 2 unless otherwise noted

pHB 3/6/09

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV4.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method: IS/$ MSV083A CCV MSV084G
Surr. lot: LCS MSV084F gas MSV085A
Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/b00bfb.D	bfb050	L/	BFB	1	-BFB390	4/16/09	07:42	slb	
1/b01ccv.D	ccv	L/	CCALIB_5	1	-B8260	4/16/09	08:12	slb	
1/b02lcs.D	lcs	L/	LCS	1	-B8260	4/16/09	08:42	slb	
1/b03mb.D	mb	L/	BLANK	1	-B8260	4/16/09	09:11	slb	
1/b04.D	5025200001	L/	SAMPLE	1	-B8260	4/16/09	09:41	slb	
1/b05.D	5025200002	L/	SAMPLE	1	-B8260	4/16/09	10:11	slb	VC,12DCEtrans,12DCEcis-10X
1/b06.D	5025200003	L/	SAMPLE	1	-B8260	4/16/09	10:40	slb	
1/b07.D	5025200004	L/	SAMPLE	1	-B8260	4/16/09	11:10	slb	
1/b08.D	5025200005	L/	SAMPLE	1	-B8260	4/16/09	11:40	slb	
1/b09.D	5025200006	L/	SAMPLE	1	-B8260	4/16/09	12:10	slb	
1/b10.D	ms5025200006	L/	MS	1	-B8260	4/16/09	12:40	slb	
1/b11.D	5025226001	L/	SAMPLE	1	-B8260	4/16/09	13:10	slb	
1/b12.D	5025226002	L/	SAMPLE	1	-B8260	4/16/09	13:40	slb	
1/b13.D	5025226003	L/	SAMPLE	1	-B8260	4/16/09	14:11	slb	
1/b14.D	5025121001	L/	SAMPLE	1	-B8260	4/16/09	14:40	slb	
1/b15.D	5025121002	L/	SAMPLE	1	-B8260	4/16/09	15:10	slb	
1/b16.D	5025195001	L/	SAMPLE	1	-B8260	4/16/09	15:40	slb	
1/b17.D	5025195002	L/	SAMPLE	1	-B8260	4/16/09	16:09	slb	
1/b18.D	5025195003	L/	SAMPLE	1	-B8260	4/16/09	16:39	slb	
1/b19.D	5025241001	L/	SAMPLE	1	-B8260	4/16/09	17:09	slb	
1/b20.D	5025253001	L/	SAMPLE	1	-B8260	4/16/09	17:39	slb	
1/b21.D	5025253002	L/	SAMPLE	1	-B8260	4/16/09	18:08	slb	
1/d00bfb.D	bfb050	L/	BFB	1	-BFB390	4/16/09	18:38	slb	
1/d01ccv.D	ccv	L/	CCALIB_5	1	-B8260	4/16/09	19:07	slb	
1/d02lcs.D	lcs	L/	LCS	1	-B8260	4/16/09	19:37	slb	
1/d03mb.D	mb	L/	BLANK	1	-B8260	4/16/09	20:07	slb	
1/d04.D	5025223010	L/	SAMPLE	1	-B8260	4/16/09	20:37	slb	
1/d05.D	ms5025223010	L/	MS	1	-B8260	4/16/09	21:07	slb	
1/d06.D	5025223012	L/	SAMPLE	1	-B8260	4/16/09	21:37	slb	
1/d07.D	5025223013	L/	SAMPLE	1	-B8260	4/16/09	22:07	slb	
1/d08.D	5025223014	L/	SAMPLE	1	-B8260	4/16/09	22:36	slb	
1/d09.D	5025223015	L/	SAMPLE	1	-B8260	4/16/09	23:06	slb	
1/d10.D	5025223016	L/	SAMPLE	1	-B8260	4/16/09	23:36	slb	
1/d11.D	5025223017	L/	SAMPLE	1	-B8260	4/17/09	00:06	slb	

A MSV15688

B MSV15689

File Path 1: \\50Wintarget\chem\50MSV4.i\b041609.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:34 04/17/2009

Page: 1

All water samples have a pH below 2 unless otherwise noted

4/17/09

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSV4.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal. std: _____

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/d12.D	5025223018	L/	SAMPLE	1	-B8260	4/17/09	00:42	slb	
1/d13.D	5025223019	L/	SAMPLE	1	-B8260	4/17/09	01:12	slb	
1/d14.D	5025223020	L/	SAMPLE	1	-B8260	4/17/09	01:42	slb	
1/d15.D	5025223021	L/	SAMPLE	1	-B8260	4/17/09	02:12	slb	
1/d16.D	rr5025200002	L/	SAMPLE	10	-B8260	4/17/09	02:41	slb	15688

B

MSV 15689

All water samples have a pH below 2 unless otherwise noted

4/17/09

File Path 1: \\50Wintarget\chem\50MSV4.i\b041609.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:34 04/17/2009

Page: 2

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Lab File ID (Standard): B01CCV Date Analyzed: 04/16/09

Instrument ID: 50MSV4 Time Analyzed: 0812

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	381161	7.37	237427	8.66	508186	4.51
	UPPER LIMIT	762322	7.87	474854	9.16	1016372	5.01
	LOWER LIMIT	190581	6.87	118714	8.16	254093	4.01
	EPA SAMPLE NO.						
01	LCS	401661	7.38	228864	8.66	568696	4.51
02	MB	387173	7.37	218992	8.66	501510	4.50
03	00001	393918	7.37	216971	8.66	505867	4.51
04	00002	421814	7.37	239060	8.66	579484	4.51
05	00003	425718	7.37	240432	8.66	589692	4.50
06	00004	430513	7.37	242883	8.66	582930	4.51
07	00005	409196	7.37	227680	8.66	568678	4.50
08	00006	417861	7.38	234435	8.66	575745	4.51
09	MS000006	413680	7.37	238529	8.66	566585	4.49
10	26001	430151	7.37	235388	8.66	569058	4.51
11	26002	403663	7.37	228026	8.66	548318	4.51
12	26003	405102	7.39	230713	8.66	565932	4.57
13	21001	396864	7.37	222707	8.66	555352	4.50
14	21002	412736	7.37	233647	8.66	555783	4.50
15	95001	408930	7.38	230015	8.66	559418	4.51
16	95002	390903	7.37	227349	8.66	536360	4.51
17	95003	434930	7.37	245758	8.66	545404	4.50
18	41001	413068	7.37	239781	8.66	525886	4.49
19	53001	410575	7.37	236596	8.66	540069	4.50
20	53002	412237	7.37	233925	8.66	519979	4.51
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Lab File ID (Standard): D01CCV Date Analyzed: 04/16/09

Instrument ID: 50MSV4 Time Analyzed: 1907

GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	426752	7.37	243697	8.66	532886	4.51
	UPPER LIMIT	853504	7.87	487394	9.16	1065772	5.01
	LOWER LIMIT	213376	6.87	121849	8.16	266443	4.01
	EPA SAMPLE NO.						
01	LCS	413783	7.37	233873	8.66	554041	4.50
02	MB	403059	7.37	229491	8.66	554209	4.51
03	23010	406375	7.38	244251	8.66	512955	4.52
04	MS23010	418632	7.38	244200	8.66	534399	4.51
05	23012	392655	7.38	233075	8.66	537197	4.52
06	23013	416606	7.38	237798	8.66	556933	4.51
07	23014	389087	7.38	224451	8.66	529336	4.51
08	23015	404443	7.38	236613	8.66	546244	4.51
09	23016	403896	7.38	239651	8.66	537544	4.51
10	23017	383996	7.37	218866	8.66	523104	4.50
11	23018	407610	7.38	231722	8.66	547129	4.52
12	23019	406164	7.37	234838	8.66	534880	4.50
13	23020	385352	7.37	219379	8.66	522684	4.51
14	23021	397871	7.38	231476	8.66	542056	4.51
15	00002	389840	7.38	223756	8.66	530892	4.51
16							
17							
18							
19							
20							
21							
22							

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

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

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

Pace Analytical®
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VOA 8260B
GC/MS Volatiles

Section 2: Initial Calibration Data

** Initial Calibration Summary Table*
** BFB Tune Information*
** Initial Calibration Standards*
** ICV Standard*

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 50MSV4 C-1 3-5-09

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

Report Date : 06-Mar-2009 07:21

reviewed 3/6/09 AS

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-MAR-2009 15:26
End Cal Date : 05-MAR-2009 18:56
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

All CCC <30 @ average. dkB 3/6/09

Calibration File Names:
Level 1: \\50Wintarget\chem\50MSV4.i\a030509a.b\a01cal.D
Level 2: \\50Wintarget\chem\50MSV4.i\a030509a.b\a02cal.D
Level 3: \\50Wintarget\chem\50MSV4.i\a030509a.b\a03cal.D
Level 4: \\50Wintarget\chem\50MSV4.i\a030509a.b\a04cal.D
Level 5: \\50Wintarget\chem\50MSV4.i\a030509a.b\a05cal.D
Level 6: \\50Wintarget\chem\50MSV4.i\a030509a.b\a06cal.D
Level 7: \\50Wintarget\chem\50MSV4.i\a030509a.b\a07cal.D
Level 8: \\50Wintarget\chem\50MSV4.i\a030509a.b\a08cal.D

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
1 Dichlorodifluoromethane	0.26049	0.28348	0.26253	0.29072	0.25675	0.24481					
	0.23855	0.21306					AVRG		0.25630		9.66704
2 Chloromethane	2527	3923	17759	34161	147310	305455					
	664872	1068997					LINR	0.05000	0.28597		0.99761
3 Vinyl Chloride	0.31172	0.26229	0.22887	0.26646	0.23639	0.23386					
	0.23638	0.23617					AVRG		0.25152		11.12617

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-MAR-2009 15:26
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Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
4 Bromomethane	1169	2172	8917	11911	43703	77021					
	+++++	+++++					LINR	-0.09443	0.06303		0.99173
5 Chloroethane	1482	2508	7820	14669	61697	105435					
	+++++	+++++					LINR	-0.06286	0.08843		0.99059
6 Trichlorofluoromethane	0.29494	0.26373	0.26695	0.30416	0.26951	0.25860					
	0.23399	0.19794					AVRG		0.26123		12.81202
7 1,2-dichlorotrifluoroethane	2191	2133	13095	21393	107303	219326					
	403822	591942					LINR	-0.07002	0.16163		0.99827
8 Diethyl ether	843	1357	5502	10647	54572	108462					
	201568	285614					LINR	-0.16477	0.03942		0.99664
18 2-methyl-2-propanol	0.05845	0.07506	0.06678	0.06951	0.06985	0.06705					
	0.06117	0.05710					AVRG		0.06562		9.45535
9 Acrolein	4169	7883	31116	71014	304193	622716					
	1092051	1610080					LINR	-1.85146	0.02195		0.99683

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Pace Analytical Services, Inc.

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Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
10 1,1,2trichlorotrifluoroethane	0.16524	0.15986	0.14271	0.15444	0.14590	0.13942					
	0.13364	0.12436					AVRG		0.14570		9.38204
11 1,1-Dichloroethene	1518	1879	8610	16542	83571	169553					
	324635	477849					LINR	-0.04722	0.13041		0.99918
12 Acetone	11718	12383	19675	32959	149555	305420					
	595540	848718					LINR	-0.46651	0.04634		0.99861
143 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000 NTC
13 Iodomethane	1039	1694	6526	21593	183039	431059					
	861736	1181364					LINR	0.02156	0.16709		0.99561
14 Carbon Disulfide	0.56688	0.45826	0.42987	0.44014	0.43052	0.42761					
	0.41033	0.39861					AVRG		0.44528		11.74616
16 Methyl Acetate	10805	12350	19675	32959	149555	305420					
	595540	848718					LINR	-0.09175	0.23180		0.99860

Pace Analytical Services, Inc.

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Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
15 allyl chloride	11339	9724	41906	74451	350053	665727					
	1286682	1784354					LINR	-0.19952	0.24673		0.99624
17 Methylene Chloride	2315	3116	10979	20192	99619	208622					
	403166	628380					LINR	-0.01215	0.16895		0.99970
19 Acrylonitrile	10932	23402	101719	202047	978672	1899787					
	3524441	4738812					LINR	-2.26733	0.06654		0.99202
20 Methyl-tert-butyl ether	0.46397	0.53576	0.51240	0.52632	0.52444	0.51152					
	0.49430	0.45470					AVRG		0.50293		5.90297
21 1,2-Dichloroethene (trans)	0.20312	0.20549	0.18501	0.19711	0.18650	0.18134					
	0.16427	0.15186					AVRG		0.18434		10.11733
22 n-Hexane	2116	3537	14119	31081	161051	322361					
	616357	877477					LINR	-0.06036	0.24213		0.99766
147 chloroprene	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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Pace Analytical Services, Inc.

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End Cal Date : 05-MAR-2009 18:56
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Target Version : 4.14
Integrator : HP RTE
Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
23 1,1-Dichloroethane	0.39271	0.41764	0.39241	0.41751	0.40832	0.38855					
	0.39077	0.38408					AVRG		0.39900		3.36154
24 Vinyl Acetate	0.45495	0.49038	0.42935	0.49179	0.46657	0.49215					
	0.30951	0.44378					AVRG		0.44731		13.51929
26 1,2-Dichloroethene (cis)	0.24064	0.23389	0.22756	0.23565	0.21938	0.21636					
	0.20571	0.20415					AVRG		0.22292		6.16570
27 2,2-Dichloropropane	2149	3770	14433	29109	155408	325023					
	627059	924890					LINR	-0.03029	0.25283		0.99937
28 2-Butanone	0.12501	0.13959	0.10935	0.10616	0.10515	0.10375					
	0.10189	0.09686					AVRG		0.11097		12.78915
144 Methacrylonitrile	+++++	0.02550	0.03547	0.03386	0.03471	0.03457					
	0.03320	0.03241					AVRG		0.03282		10.30488
30 Bromochloromethane	0.21882	0.20224	0.21016	0.21845	0.20909	0.20313					
	0.18730	0.17526					AVRG		0.20305		7.43115

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Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
31 Tetrahydrofuran	68743	71797	71822	75914	104558	148794					
	230719	304506					LINR	-1.94876	0.06277		0.99907
32 Chloroform	2982	4746	20529	42498	210740	431308					
	839083	1262606					LINR	-0.02575	0.34274		0.99980
34 1,1,1-Trichloroethane	0.33607	0.31990	0.29663	0.31137	0.30860	0.30825					
	0.29908	0.29615					AVRG		0.30951		4.35654
35 Cyclohexane	0.48742	0.46399	0.36207	0.39276	0.37398	0.37378					
	0.35844	0.34469					AVRG		0.39464		13.25311
145 isopropyl acetate	+++++	+++++	0.00819	0.00918	0.00800	0.00796					
	0.00802	0.00791					AVRG		0.00821		5.90455
36 Carbon Tetrachloride	0.31947	0.24272	0.23010	0.23657	0.24736	0.24963					
	0.24422	0.24040					AVRG		0.25131		11.22933
37 1,1-Dichloropropene	0.26878	0.29006	0.27774	0.28433	0.29143	0.28975					
	0.27930	0.27333					AVRG		0.28184		2.98154

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Pace Analytical Services, Inc.

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Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
141 2,2,4-Trimethylpentane	0.72067	0.65144	0.60901	0.58962	0.61578	0.61004					
	0.59109	0.56158					AVRG		0.61865		7.85168
39 Benzene	1.03076	0.88055	0.83008	0.88674	0.86136	0.85150					
	0.82323	0.81472					AVRG		0.87237		7.92350
40 1,2-Dichloroethane	0.28935	0.30223	0.28852	0.29830	0.29419	0.28832					
	0.28435	0.27657					AVRG		0.29023		2.77310
38 Isobutyl alcohol	2348	1977	7715	14407	66272	135497					
	265484	381818					LINR	-0.29426	0.02093		0.99884
42 Trichloroethene	0.25255	0.22009	0.21007	0.20792	0.21151	0.21143					
	0.21222	0.20297					AVRG		0.21609		7.16525
43 Methylcyclohexane	0.33914	0.35290	0.28126	0.28563	0.29287	0.28853					
	0.27657	0.26817					AVRG		0.29813		10.30337
142 1,4-Dioxane	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000

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Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
44 1,2-Dichloropropane	0.23649	0.22884	0.21757	0.23325	0.23675	0.23065					
	0.22493	0.22563					AVRG		0.22927		2.83200
45 Dibromomethane	0.13421	0.13768	0.11765	0.12568	0.12278	0.12292					
	0.12059	0.11665					AVRG		0.12477		6.04522
46 Methyl methacrylate	1554	2420	8497	16415	81161	170607					
	334851	495339					LINR	-0.02823	0.13508		0.99967
47 Bromodichloromethane	0.37125	0.31531	0.25484	0.27899	0.27788	0.28151					
	0.27774	0.27390					AVRG		0.29143		12.44749
48 2-Chloroethyl vinyl ether	0.11737	0.14665	0.12070	0.12638	0.13212	0.13791					
	0.14167	0.14234					AVRG		0.13314		8.09411
49 cis-1,3-Dichloropropene	0.45981	0.53037	0.46194	0.48272	0.50281	0.50044					
	0.49640	0.48317					AVRG		0.48971		4.72136
50 4-Methyl-2-Pentanone	0.29155	0.35836	0.26890	0.27755	0.29069	0.28409					
	0.27238	0.25466					AVRG		0.28727		10.85827

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Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
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Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
52 Toluene	1.50437	1.30184	1.21669	1.23836	1.23967	1.23705					
	1.18286	1.16905					AVRG		1.26124		8.42084
53 trans-1,3-Dichloropropene	0.40577	0.43876	0.40339	0.40932	0.44958	0.44565					
	0.45093	0.43543					AVRG		0.42985		4.73137
54 Ethyl Methacrylate	2398	4087	15466	29947	147591	306155					
	606260	875429					LINR	-0.04403	0.33609		0.99872
55 1,1,2-Trichloroethane	1405	2137	8117	16799	87303	179498					
	359318	528684					LINR	-0.02708	0.20205		0.99944
56 Tetrachloroethene	1306	2748	16446	25763	166471	273781					
	867921	+++++					QUAD	-0.02855	3.33014	-0.65706	0.99426
57 1,3-Dichloropropane	0.44395	0.49536	0.43731	0.44850	0.45740	0.45028					
	0.44700	0.42798					AVRG		0.45097		4.43360
58 2-Hexanone	0.21387	0.23780	0.19218	0.19756	0.19482	0.18874					
	0.18425	0.17188					AVRG		0.19764		10.18485

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Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

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Quant Method : ISTD
Target Version : 4.14
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Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
59 Dibromochloromethane	0.25730	0.27096	0.24917	0.25579	0.26823	0.27633					
	0.27621	0.27272					AVRG		0.26584		3.89002
60 1,2-Dibromoethane	0.27465	0.28175	0.24265	0.24792	0.25815	0.25795					
	0.25818	0.24968					AVRG		0.25887		5.14499
62 Chlorobenzene	0.82469	0.88881	0.77824	0.80180	0.79526	0.77451					
	0.75330	0.72801					AVRG		0.79308		6.14506
63 1,1,1,2-Tetrachloroethane	0.25531	0.27447	0.24460	0.26182	0.27376	0.27605					
	0.28170	0.27069					AVRG		0.26730		4.64206
64 Ethylbenzene	2022	4303	18284	36098	180881	363004					
	703271	1037672					LINR	-0.04848	0.39569		0.99907
65 m&p-Xylene	5592	10503	44440	91890	436745	881257					
	1670829	2349413					LINR	-0.16379	0.45456		0.99620
67 o-Xylene	2563	5011	21602	44021	219563	436093					
	828234	1193165					LINR	-0.07075	0.45821		0.99759

Pace Analytical Services, Inc.

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Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
68 Styrene	1.02571	1.12827	0.91398	0.93670	0.92898	0.89108					
	0.85049	0.80103					AVRG		0.93453		10.93329
69 Bromoform	0.26413	0.31021	0.24923	0.27197	0.30487	0.31624					
	0.33124	0.32620					AVRG		0.29676		10.36293
70 Isopropylbenzene	1.49346	1.50013	1.34069	1.38176	1.36175	1.32400					
	1.26955	1.20649					AVRG		1.35973		7.42445
74 Bromobenzene	0.63506	0.69428	0.55938	0.56530	0.55330	0.53324					
	0.52797	0.51929					AVRG		0.57348		10.56266
73 1,1,2,2-Tetrachloroethane	1918	3437	12525	25146	124495	263470					
	514838	764914					LINR	-0.04666	0.50577		0.99902
75 1,2,3-Trichloropropane	0.67766	0.63294	0.60000	0.64130	0.69494	0.68632					
	0.69374	0.67453					AVRG		0.66268		5.16472
71 trans-1,4-Dichloro-2-butene	743	1367	3671	7629	40402	85967					
	180893	270232					LINR	0.00855	0.10300		0.99976

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Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
76 n-Propylbenzene	3.04589	3.23578	2.74432	2.90301	2.84689	2.75877					
	2.64173	2.50207					AVRG		2.83481		8.13312
77 2-Chlorotoluene	1.73549	1.98130	1.66270	1.76401	1.72598	1.67323					
	1.57556	1.53676					AVRG		1.70688		7.95397
78 1,3,5-Trimethylbenzene	2.41270	2.44841	1.82057	1.95656	1.89968	1.85635					
	1.77524	1.65706					AVRG		1.97832		14.80558
79 4-Chlorotoluene	0.60073	0.61909	0.55611	0.57596	0.57030	0.55032					
	0.50995	0.49413					AVRG		0.55957		7.54023
146 n-amyl acetate	+++++	+++++	+++++	+++++	+++++	+++++					
	+++++	+++++					AVRG		0.000e+000		0.000e+000 NTC
80 tert-Butylbenzene	2.33044	2.42025	1.90061	2.10742	2.02250	2.02365					
	1.54796	1.86969					AVRG		2.02781		13.48479
81 1,2,4-Trimethylbenzene	2.18015	2.49243	1.86494	1.96853	1.92110	1.89168					
	1.82377	1.74227					AVRG		1.98561		12.15808

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Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1	1.0000 Level 2	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
82 sec-Butylbenzene	2.85469	2.76890	2.29705	2.41599	2.38305	2.34781					
	2.26562	2.15834					AVRG		2.43643		10.08395
83 1,3-Dichlorobenzene	1.18012	1.24890	1.04382	1.07944	1.07322	1.03679					
	1.02424	0.95711					AVRG		1.08045		8.56752
84 p-Isopropyltoluene	2.39536	2.38426	1.91179	2.03771	1.97464	1.92916					
	1.88860	1.76533					AVRG		2.03586		11.38448
86 1,4-Dichlorobenzene	1.25393	1.30343	1.07625	1.13408	1.10042	1.07713					
	1.05559	1.02821					AVRG		1.12863		8.72614
87 n-Butylbenzene	2.35979	2.33174	1.75737	1.87258	1.79433	1.76617					
	1.71279	1.66471					AVRG		1.90744		14.53345
88 1,2-Dichlorobenzene	0.92844	1.27639	0.95649	1.01384	1.00046	0.96472					
	0.95635	0.92577					AVRG		1.00281		11.44412
89 1,2-Dibromo-3-chloropropane	0.07470	0.10638	0.08261	0.09302	0.09108	0.09247					
	0.09731	0.09417					AVRG		0.09147		10.34734

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-MAR-2009 15:26
End Cal Date : 05-MAR-2009 18:56
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1 / 200.0000 Level 7	1.0000 Level 2 / 300.0000 Level 8	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
90 1,2,4-Trichlorobenzene	0.55137	0.63138	0.56866	0.64262	0.67657	0.66391					
	0.67350	0.65005					AVRG		0.63226		7.48529
91 Hexachlorobutadiene	1794	2213	7315	14920	72914	154095					
	320006	468080					LINR	-0.02997	0.31070		0.99941
92 Naphthalene	1.26682	1.45832	1.33641	1.66827	1.83503	1.79728					
	1.77560	1.66852					AVRG		1.60078		13.66412
93 1,2,3-Trichlorobenzene	0.50602	0.57506	0.48508	0.57145	0.63644	0.62229					
	0.61084	0.59066					AVRG		0.57473		9.39188
94 2,methyl-naphthalene	~~74.00000~~	+++++	3046	11866	152172	389688					
	849584	1322950					LINR	0.11960	0.88208		0.99908
$ 33 Dibromofluoromethane (S)	0.24690	0.24697	0.23935	0.23946	0.23067	0.23060					
	0.22543	0.22825					AVRG		0.23595		3.55275
$ 51 Toluene-d8	1.25732	1.26819	1.28095	1.27710	1.26952	1.28384					
	1.27900	1.28393					AVRG		1.27498		0.72763

RL 5 ppb

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-MAR-2009 15:26
End Cal Date : 05-MAR-2009 18:56
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Compound	0.5000000 Level 1	1.0000 Level 2	5.0000 Level 3	10.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	200.0000 Level 7	300.0000 Level 8									
$ 72 4-Bromofluorobenzene	0.50666	0.52476	0.52630	0.52349	0.50475	0.50295					
	0.51482	0.52038					AVRG		0.51551		1.85751

Pace Analytical Services, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 05-MAR-2009 15:26
End Cal Date : 05-MAR-2009 18:56
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Last Edit : 06-Mar-2009 07:21 50MSV4.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a00bfb.D

Date : 05-MAR-2009 14:56

Client ID: bfb050

Instrument: 50MSV4.i

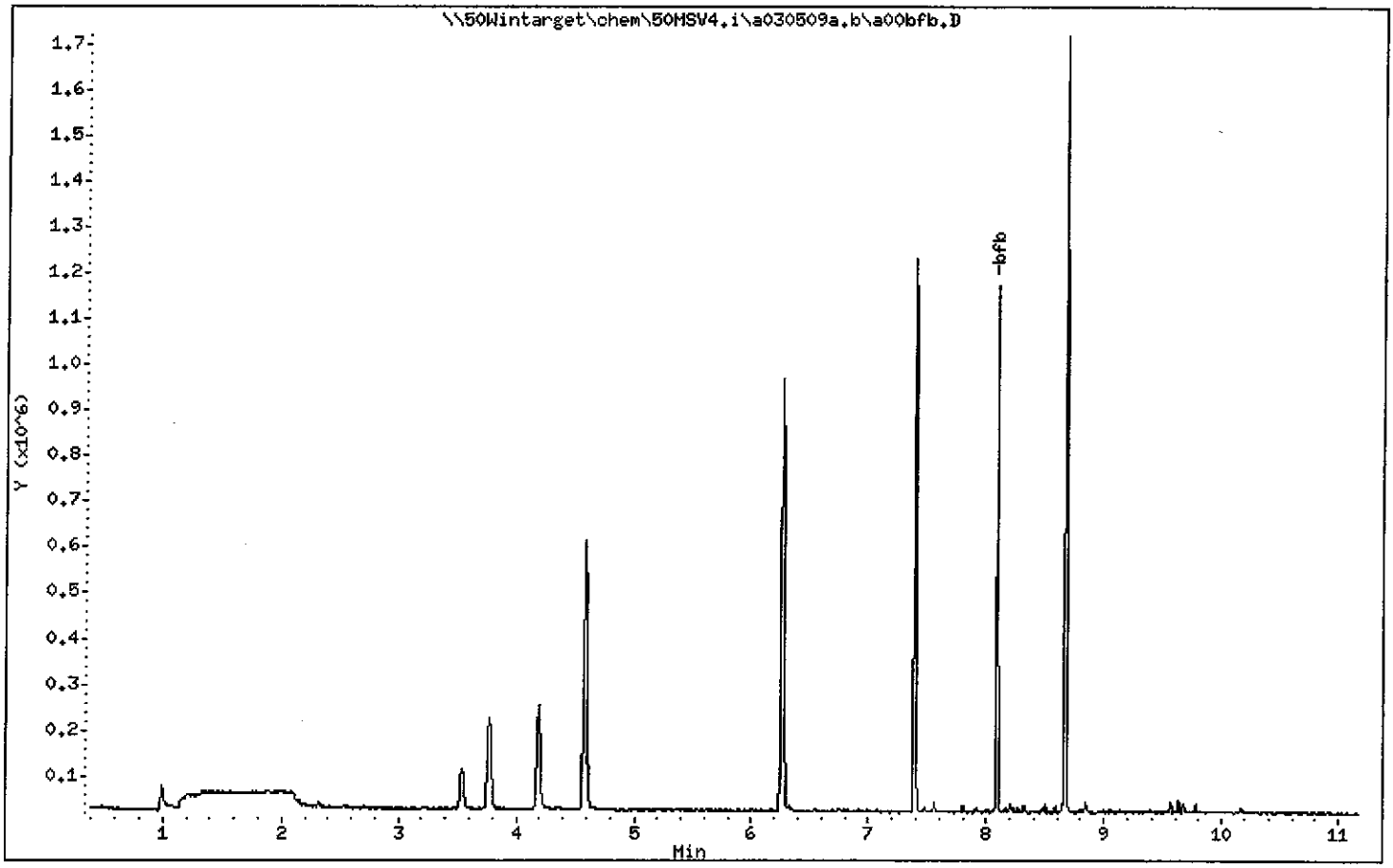
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: slb

Column phase:

Column diameter: 2.00



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a00bfb.D

Date : 05-MAR-2009 14:56

Client ID: bfb050

Instrument: 50MSV4.i

Sample Info: bfb

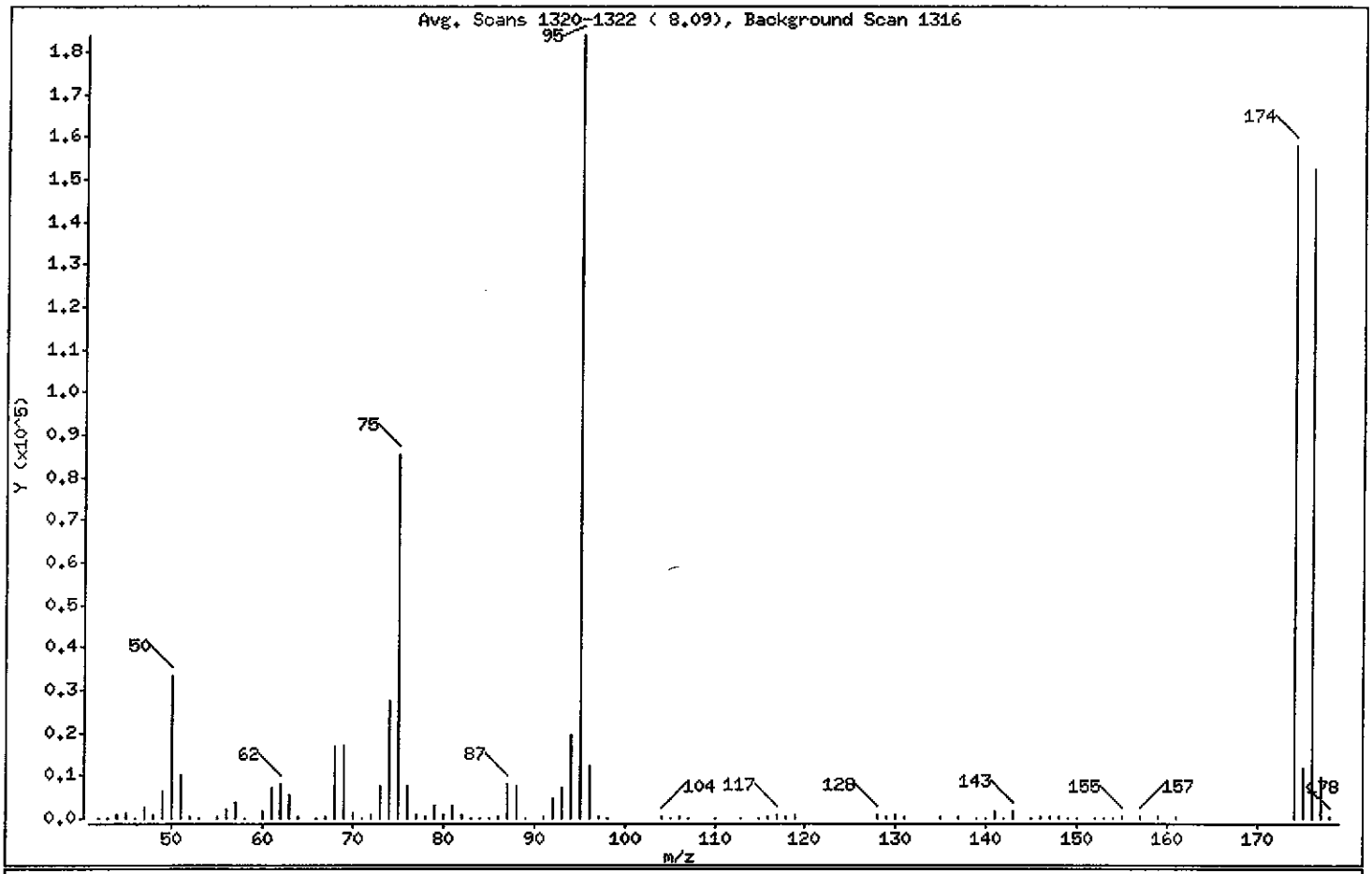
Volume Injected (uL): 1.0

Operator: slb

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	18.17
75	30.00 - 60.00% of mass 95	46.50
96	5.00 - 9.00% of mass 95	6.73
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	86.03
175	5.00 - 9.00% of mass 174	6.42 (7.46)
176	95.00 - 101.00% of mass 174	83.04 (96.52)
177	5.00 - 9.00% of mass 176	5.31 (6.40)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a00bfb.D

Date : 05-MAR-2009 14:56

Client ID: bfb050 Instrument: 50MSV4.i

Sample Info: bfb

Volume Injected (uL): 1.0 Operator: slb

Column phase: Column diameter: 2.00

Data File: a00bfb.D
Spectrum: Avg. Scans 1320-1322 (8.09), Background Scan 1316
Location of Maximum: 95.00
Number of points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
42.00	62	69.00	16904	94.00	19400	141.00	1508
43.00	93	70.00	1147	95.00	183744	142.00	150
44.00	983	71.00	92	96.00	12372	143.00	1558
45.00	1336	72.00	971	97.00	480	145.00	133
46.00	205	73.00	7452	98.00	108	146.00	215
47.00	2683	74.00	27600	104.00	518	147.00	228
48.00	966	75.00	85440	105.00	198	148.00	347
49.00	6539	76.00	7404	106.00	513	149.00	210
50.00	33384	77.00	1046	107.00	169	150.00	129
51.00	9930	78.00	523	110.00	91	152.00	61
52.00	604	79.00	3012	113.00	115	153.00	57
53.00	55	80.00	932	115.00	132	154.00	103
55.00	590	81.00	3109	116.00	524	155.00	400
56.00	2308	82.00	691	117.00	900	157.00	355
57.00	3961	83.00	137	118.00	375	159.00	215
58.00	133	84.00	80	119.00	729	161.00	259
60.00	1649	85.00	71	128.00	662	174.00	158080
61.00	7317	86.00	319	129.00	372	175.00	11798
62.00	7844	87.00	8002	130.00	635	176.00	152576
63.00	5495	88.00	7573	131.00	421	177.00	9763
64.00	544	89.00	51	135.00	292	178.00	283
66.00	53	91.00	322	137.00	216		
67.00	406	92.00	4688	139.00	50		
68.00	16824	93.00	6980	140.00	124		

Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a01cal.D
Lab Smp Id: 0.5ppb Client Smp ID: 0.5ppb
Inj Date : 05-MAR-2009 15:26
Operator : slb Inst ID: 50MSV4.i
Smp Info : 0.5ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 3 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.074	1.074	(0.238)	1444	0.50000	0.508 (M)
2 Chloromethane	50	1.179	1.179	(0.261)	2527	0.50000	3.30 (M)
3 Vinyl Chloride	62	1.214	1.214	(0.269)	1728	0.50000	0.620 (M)
4 Bromomethane	94	1.366	1.366	(0.303)	1169	0.50000	(M)
5 Chloroethane	64	1.412	1.412	(0.313)	1482	0.50000	(M)
6 Trichlorofluoromethane	101	1.541	1.535	(0.341)	1635	0.50000	0.564
7 1,2-dichlorotrifluoroethane	67	1.669	1.657	(0.370)	2191	0.50000	(M)
8 Diethyl ether	74	1.680	1.669	(0.372)	843	1.00000	(QM)
18 2-methyl-2-propanol	59	1.675	1.669	(0.371)	648	1.00000	0.891 (QM)
9 Acrolein	56	1.756	1.745	(0.389)	4169	10.0000	(QM)
10 1,1,2trichlorotrifluoroethane	101	1.803	1.791	(0.400)	916	0.50000	0.567 (M)
11 1,1-Dichloroethene	96	1.809	1.803	(0.401)	1518	0.50000	(QM)
12 Acetone	43	1.838	1.826	(0.407)	11718	2.50000	(M)
13 Iodomethane	142	1.914	1.902	(0.424)	1039	1.00000	1.64 (M)
14 Carbon Disulfide	76	1.960	1.949	(0.434)	6285	1.00000	1.27 (M)
16 Methyl Acetate	43	1.838	1.826	(0.407)	10805	0.50000	(M)
15 allyl chloride	41	2.018	2.007	(0.447)	11339	1.00000	(M)
17 Methylene Chloride	84	2.100	2.083	(0.465)	2315	0.50000	0.628 (QM)
19 Acrylonitrile	53	2.257	2.240	(0.500)	10932	10.0000	
20 Methyl-tert-butyl ether	73	2.281	2.257	(0.505)	5144	1.00000	0.922
21 1,2-Dichloroethene (trans)	96	2.287	2.263	(0.507)	1126	0.50000	0.551 (M)
22 n-Hexane	57	2.473	2.456	(0.548)	2116	0.50000	(QM)
23 1,1-Dichloroethane	63	2.601	2.578	(0.576)	2177	0.50000	0.492 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.630	2.607	(0.583)	10088	2.00000	2.03 (M)
	26 1,2-Dichloroethene (cis)	96	3.138	3.103	(0.695)	1334	0.50000	0.540 (M)
	27 2,2-Dichloropropane	77	3.126	3.108	(0.693)	2149	0.50000	(M)
	28 2-Butanone	43	3.155	3.120	(0.699)	3465	2.50000	2.82 (M)
	30 Bromochloromethane	49	3.394	3.359	(0.752)	1213	0.50000	0.539 (M)
	31 Tetrahydrofuran	42	3.452	3.423	(0.765)	68743	0.50000	1.34
	32 Chloroform	83	3.476	3.452	(0.770)	2982	0.50000	
$	33 Dibromofluoromethane (S)	113	3.674	3.645	(0.814)	136871	50.0000	52.3
	34 1,1,1-Trichloroethane	97	3.709	3.674	(0.822)	1863	0.50000	0.543 (M)
	35 Cyclohexane	56	3.761	3.738	(0.833)	2702	0.50000	0.618 (M)
	36 Carbon Tetrachloride	117	3.913	3.884	(0.867)	1771	0.50000	0.636 (M)
	37 1,1-Dichloropropene	75	3.907	3.889	(0.866)	1490	0.50000	0.477 (QM)
	141 2,2,4-Trimethylpentane	57	4.268	4.251	(0.946)	3995	0.50000	0.582 (Q)
	39 Benzene	78	4.181	4.146	(0.926)	5714	0.50000	0.591
	40 1,2-Dichloroethane	62	4.198	4.175	(0.930)	1604	0.50000	0.498 (M)
	38 Isobutyl alcohol	43	4.262	4.251	(0.944)	2348	2.50000	(QM)
*	41 Fluorobenzene	96	4.513	4.490	(1.000)	554348	50.0000	
	42 Trichloroethene	95	4.927	4.909	(1.092)	1400	0.50000	0.584
	43 Methylcyclohexane	55	5.137	5.119	(1.138)	1880	0.50000	0.569 (QM)
	44 1,2-Dichloropropane	63	5.183	5.160	(1.149)	1311	0.50000	0.516 (M)
	45 Dibromomethane	93	5.312	5.288	(1.177)	744	0.50000	0.538 (M)
	46 Methyl methacrylate	69	5.352	5.329	(1.186)	1554	0.50000	(QM)
	47 Bromodichloromethane	83	5.487	5.469	(1.216)	2058	0.50000	0.637 (M)
	48 2-Chloroethyl vinyl ether	63	5.830	5.813	(0.791)	947	1.00000	0.882 (M)
	49 cis-1,3-Dichloropropene	75	5.959	5.941	(0.808)	1855	0.50000	0.469 (Q)
	50 4-Methyl-2-Pentanone	43	6.139	6.122	(0.832)	5881	2.50000	2.54 (M)
$	51 Toluene-d8	98	6.221	6.209	(0.844)	507237	50.0000	49.3
	52 Toluene	91	6.285	6.273	(0.852)	6069	0.50000	0.596 (M)
	53 trans-1,3-Dichloropropene	75	6.518	6.507	(0.884)	1637	0.50000	0.472 (M)
	54 Ethyl Methacrylate	69	6.617	6.606	(0.897)	2398	0.50000	(M)
	55 1,1,2-Trichloroethane	83	6.670	6.658	(0.904)	1405	0.50000	(QM)
	56 Tetrachloroethene	166	6.775	6.763	(0.919)	1306	0.50000	(M)
	57 1,3-Dichloropropane	76	6.804	6.792	(0.923)	1791	0.50000	0.492 (M)
	58 2-Hexanone	43	6.885	6.880	(0.934)	4314	2.50000	2.70 (M)
	59 Dibromochloromethane	129	6.973	6.967	(0.945)	1038	0.50000	0.484
	60 1,2-Dibromoethane	107	7.049	7.043	(0.956)	1108	0.50000	0.530 (M)
*	61 Chlorobenzene-d5	117	7.375	7.369	(1.000)	403426	50.0000	
	62 Chlorobenzene	112	7.392	7.387	(1.002)	3327	0.50000	0.520 (Q)
	63 1,1,1,2-Tetrachloroethane	131	7.451	7.445	(1.010)	1030	0.50000	0.478 (QM)
	64 Ethylbenzene	106	7.468	7.462	(1.013)	2022	0.50000	
	65 m&p-Xylene	106	7.544	7.538	(1.023)	5592	1.00000	
	67 o-Xylene	106	7.783	7.777	(1.055)	2563	0.50000	(Q)
	68 Styrene	104	7.789	7.789	(1.056)	4138	0.50000	0.549
	69 Bromoform	173	7.894	7.894	(0.911)	594	0.50000	0.445 (M)
	70 Isopropylbenzene	105	7.993	7.987	(1.084)	6025	0.50000	0.549
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.095)	204400	50.0000	49.1
	74 Bromobenzene	77	8.156	8.150	(1.106)	2562	0.50000	0.554
	73 1,1,2,2-Tetrachloroethane	83	8.162	8.156	(0.942)	1918	0.50000	
	75 1,2,3-Trichloropropane	75	8.185	8.179	(0.945)	1524	0.50000	0.511 (QM)
	71 trans-1,4-Dichloro-2-butene	53	8.191	8.185	(1.111)	743	0.50000	1.32 (QM)
	76 n-Propylbenzene	91	8.214	8.208	(0.948)	6850	0.50000	0.537
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	3903	0.50000	0.508
	78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	5426	0.50000	0.610
	79 4-Chlorotoluene	126	8.313	8.313	(0.960)	1351	0.50000	0.537 (Q)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	5241	0.50000	0.575
81 1,2,4-Trimethylbenzene	105	8.494	8.488	(0.980)	4903	0.50000	0.549
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	6420	0.50000	0.586
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	2654	0.50000	0.546(Q)
84 p-Isopropyltoluene	119	8.646	8.640	(0.998)	5387	0.50000	0.588(Q)
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	224893	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	2820	0.50000	0.556(Q)
87 n-Butylbenzene	91	8.838	8.832	(1.020)	5307	0.50000	0.618(M)
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	2088	0.50000	0.463
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	168	0.50000	0.408(M)
90 1,2,4-Trichlorobenzene	180	9.555	9.561	(1.103)	1240	0.50000	0.436(M)
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	1794	0.50000	
92 Naphthalene	128	9.666	9.666	(1.116)	2849	0.50000	0.396
93 1,2,3-Trichlorobenzene	180	9.771	9.771	(1.128)	1138	0.50000	0.440(M)
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	74	0.50000	7.76(QM)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a01cal.D
Lab Smp Id: 0.5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 0.5ppb
Level: LOW
Sample Type: WATER
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	554348	-4.65
61 Chlorobenzene-d5	407981	203991	815962	403426	-1.12
85 1,4-Dichlorobenze	225028	112514	450056	224893	-0.06

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.51	0.52
61 Chlorobenzene-d5	7.37	6.87	7.87	7.38	0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 0.5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 0.5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	0.508	
74-87-3	Chloromethane	3.30	
75-01-4	Vinyl Chloride	0.620	
74-83-9	Bromomethane	0.000	
75-00-3	Chloroethane	0.000	
75-69-4	Trichlorofluoromethane	0.564	
354-23-4	1,2-dichlorotrifluoroethane	0.000	
60-29-7	Diethyl ether	0.000	
75-65-0	2-methyl-2-propanol	0.891	
107-02-8	Acrolein	0.000	
76-13-1	1,1,2trichlorotrifluoroethan	0.567	
75-35-4	1,1-Dichloroethene	0.000	
67-64-1	Acetone	0.000	
	Iodomethane	1.64	
75-15-0	Carbon Disulfide	1.27	
79-20-9	Methyl Acetate	0.000	
107-05-1	allyl chloride	0.000	
75-09-2	Methylene Chloride	0.628	
107-13-1	Acrylonitrile	0.000	
1634-04-4	Methyl-tert-butyl ether	0.922	
156-60-5	1,2-Dichloroethene (trans)	0.551	
	n-Hexane	0.000	
75-34-3	1,1-Dichloroethane	0.492	
108-05-4	Vinyl Acetate	2.03	
156-59-2	1,2-Dichloroethene (cis)	0.540	
594-20-7	2,2-Dichloropropane	0.000	
78-93-3	2-Butanone	2.82	
74-97-5	Bromochloromethane	0.539	
	Tetrahydrofuran	1.34	
67-66-3	Chloroform	0.000	
71-55-6	1,1,1-Trichloroethane	0.543	
110-82-7	Cyclohexane	0.618	
56-23-5	Carbon Tetrachloride	0.636	
563-58-6	1,1-Dichloropropene	0.477	
540-84-1	2,2,4-Trimethylpentane	0.582	
71-43-2	Benzene	0.591	
107-06-2	1,2-Dichloroethane	0.498	
78-83-1	Isobutyl alcohol	0.000	
79-01-6	Trichloroethene	0.584	
108-87-2	Methylcyclohexane	0.569	
78-87-5	1,2-Dichloropropane	0.516	
74-95-3	Dibromomethane	0.538	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 0.5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 0.5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
80-62-6	Methyl methacrylate	0.000	
75-27-4	Bromodichloromethane	0.637	
110-75-8	2-Chloroethyl vinyl ether	0.882	
10061-01-5	cis-1,3-Dichloropropene	0.469	
108-10-1	4-Methyl-2-Pentanone	2.54	
108-88-3	Toluene	0.596	
10061-02-6	trans-1,3-Dichloropropene	0.472	
	Ethyl Methacrylate	0.000	
79-00-5	1,1,2-Trichloroethane	0.000	
127-18-4	Tetrachloroethene	0.000	
142-28-9	1,3-Dichloropropane	0.492	
591-78-6	2-Hexanone	2.70	
124-48-1	Dibromochloromethane	0.484	
106-93-4	1,2-Dibromoethane	0.530	
108-90-7	Chlorobenzene	0.520	
630-20-6	1,1,1,2-Tetrachloroethane	0.478	
100-41-4	Ethylbenzene	0.000	
7816-60-0	m&p-Xylene	0.000	
95-47-6	o-Xylene	0.000	
100-42-5	Styrene	0.549	
75-25-2	Bromoform	0.445	
98-82-8	Isopropylbenzene	0.549	
108-86-1	Bromobenzene	0.554	
79-34-5	1,1,2,2-Tetrachloroethane	0.000	
96-18-4	1,2,3-Trichloropropane	0.511	
	trans-1,4-Dichloro-2-butene	1.32	
103-65-1	n-Propylbenzene	0.537	
95-49-8	2-Chlorotoluene	0.508	
108-67-8	1,3,5-Trimethylbenzene	0.610	
106-43-4	4-Chlorotoluene	0.537	
98-06-6	tert-Butylbenzene	0.575	
95-63-6	1,2,4-Trimethylbenzene	0.549	
135-98-8	sec-Butylbenzene	0.586	
541-73-1	1,3-Dichlorobenzene	0.546	
99-87-6	p-Isopropyltoluene	0.588	
106-46-7	1,4-Dichlorobenzene	0.556	
104-51-8	n-Butylbenzene	0.618	
95-50-1	1,2-Dichlorobenzene	0.463	
96-12-8	1,2-Dibromo-3-chloropropane	0.408	
120-82-1	1,2,4-Trichlorobenzene	0.436	
87-68-3	Hexachlorobutadiene	0.000	
91-20-3	Naphthalene	0.396	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 0.5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

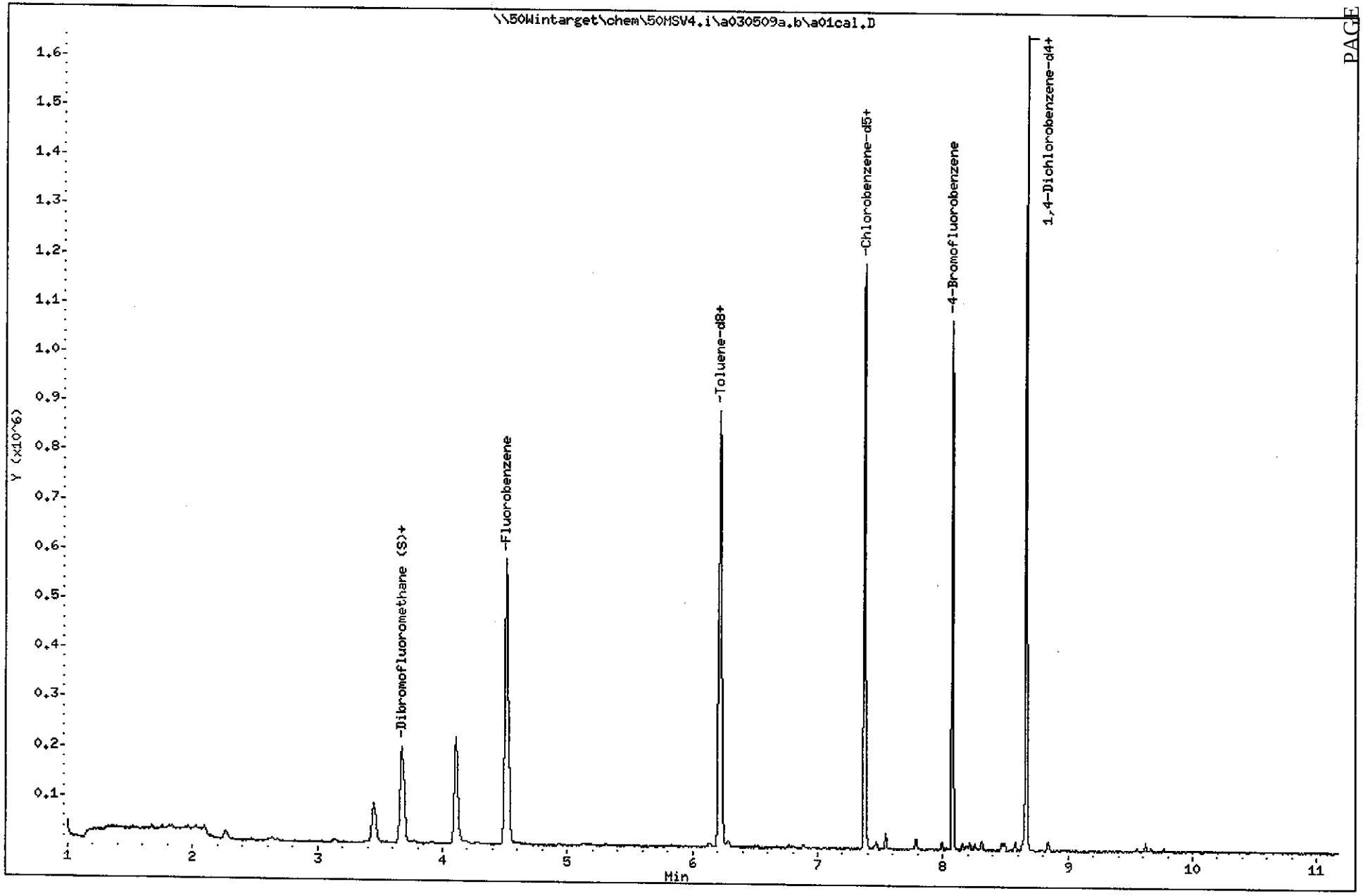
Client SDG: a030509a.b
Client Smp ID: 0.5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-61-6	1,2,3-Trichlorobenzene	0.440	
	2,methyl-naphthalene	7.76	
1868-53-7	Dibromofluoromethane (S)	52.3	
2037-26-5	Toluene-d8	49.3	
460-00-4	4-Bromofluorobenzene	49.1	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a01cal.D
Date : 05-MAR-2009 15:26
Client ID: 0.5ppb
Sample Info: 0.5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a01cal.D

Date : 05-MAR-2009 15:26

Client ID: 0.5ppb

Instrument: 50MSV4.i

Sample Info: 0.5ppb

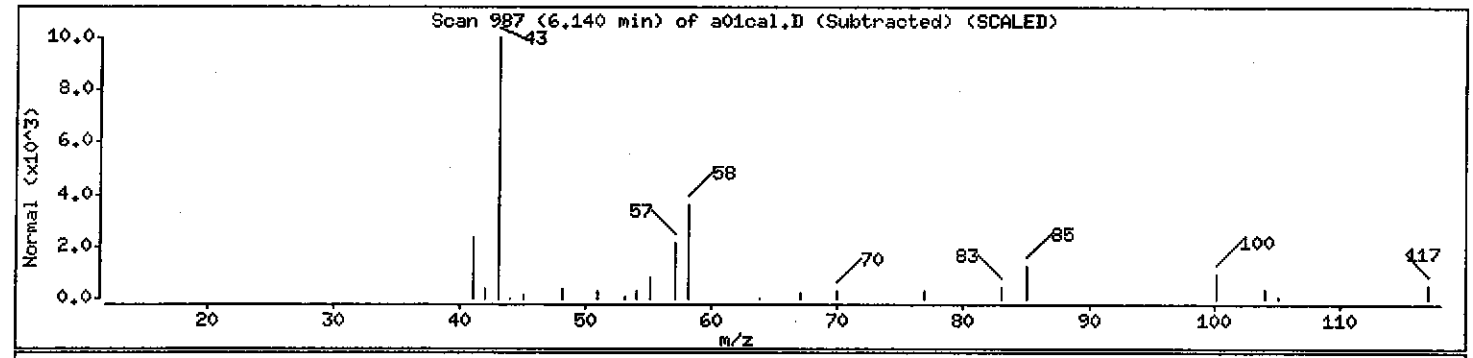
Purge Volume: 5.0

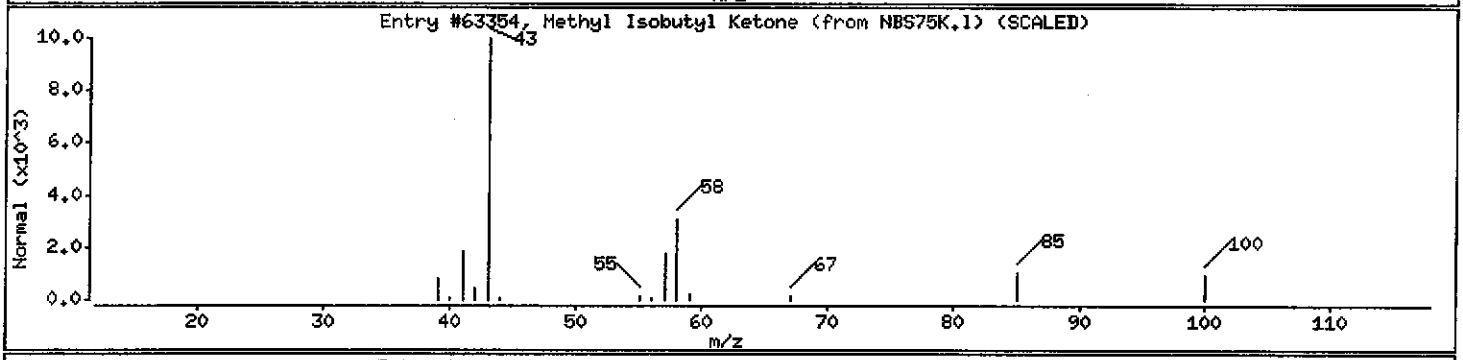
Operator: slb

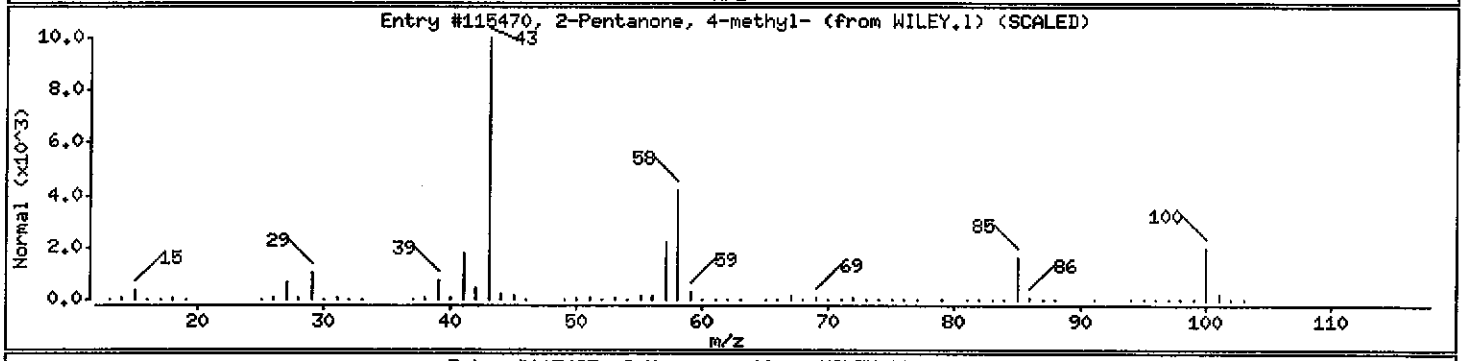
Column phase: DB-624

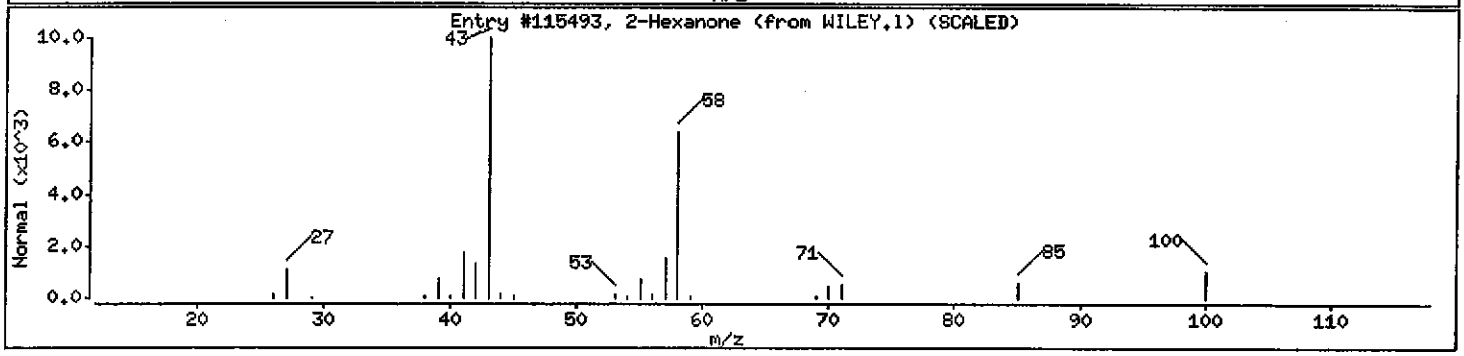
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Methyl Isobutyl Ketone	108-10-1	NBS75K.l	63354	64	C6H12O	100
2-Pentanone, 4-methyl-	108-10-1	WILEY.l	115470	59	C6H12O	100
2-Hexanone	591-78-6	WILEY.l	115493	42	C6H12O	100









Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a02cal.D
Lab Smp Id: 1ppb Client Smp ID: 1ppb
Inj Date : 05-MAR-2009 15:56
Operator : slb Inst ID: 50MSV4.i
Smp Info : 1ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 5 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.068	1.074	(0.237)	3144	1.00000	1.11 (M)
2 Chloromethane	50	1.173	1.179	(0.261)	3923	1.00000	3.74 (M)
3 Vinyl Chloride	62	1.214	1.214	(0.270)	2909	1.00000	1.04 (QM)
4 Bromomethane	94	1.366	1.366	(0.303)	2172	1.00000	(M)
5 Chloroethane	64	1.412	1.412	(0.314)	2508	1.00000	(M)
6 Trichlorofluoromethane	101	1.535	1.535	(0.341)	2925	1.00000	1.01
7 1,2-dichlorotrifluoroethane	67	1.669	1.657	(0.371)	2133	1.00000	(QM)
8 Diethyl ether	74	1.669	1.669	(0.371)	1357	2.00000	(QM)
18 2-methyl-2-propanol	59	1.674	1.669	(0.372)	1665	2.00000	2.29 (QM)
9 Acrolein	56	1.744	1.745	(0.388)	7883	20.0000	(M)
10 1,1,2trichlorotrifluoroethane	101	1.797	1.791	(0.399)	1773	1.00000	1.10
11 1,1-Dichloroethene	96	1.809	1.803	(0.402)	1879	1.00000	(Q)
12 Acetone	43	1.826	1.826	(0.406)	12383	5.00000	0.766 (M)
13 Iodomethane	142	1.908	1.902	(0.424)	1694	2.00000	1.99 (M)
14 Carbon Disulfide	76	1.948	1.949	(0.433)	10165	2.00000	2.06 (M)
16 Methyl Acetate	43	1.826	1.826	(0.406)	12350	1.00000	0.216 (M)
15 allyl chloride	41	2.013	2.007	(0.447)	9724	2.00000	(M)
17 Methylene Chloride	84	2.088	2.083	(0.464)	3116	1.00000	1.06 (M)
19 Acrylonitrile	53	2.246	2.240	(0.499)	23402	20.0000	
20 Methyl-tert-butyl ether	73	2.263	2.257	(0.503)	11884	2.00000	2.13 (M)
21 1,2-Dichloroethene (trans)	96	2.275	2.263	(0.505)	2279	1.00000	1.11
22 n-Hexane	57	2.461	2.456	(0.547)	3537	1.00000	
23 1,1-Dichloroethane	63	2.590	2.578	(0.575)	4632	1.00000	1.05 (M)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.619	2.607	(0.582)	21755	4.00000	4.38
	26 1,2-Dichloroethene (cis)	96	3.120	3.103	(0.693)	2594	1.00000	1.05
	27 2,2-Dichloropropane	77	3.120	3.108	(0.693)	3770	1.00000	(M)
	28 2-Butanone	43	3.126	3.120	(0.694)	7741	5.00000	6.29 (M)
	144 Methacrylonitrile	41	3.108	3.120	(0.691)	1414	5.00000	3.88 (M)
	30 Bromochloromethane	49	3.371	3.359	(0.749)	2243	1.00000	0.996
	31 Tetrahydrofuran	42	3.435	3.423	(0.763)	71797	1.00000	5.69
	32 Chloroform	83	3.458	3.452	(0.768)	4746	1.00000	
$	33 Dibromofluoromethane (S)	113	3.656	3.645	(0.812)	136955	50.0000	52.3
	34 1,1,1-Trichloroethane	97	3.685	3.674	(0.819)	3548	1.00000	1.03
	35 Cyclohexane	56	3.749	3.738	(0.833)	5146	1.00000	1.18 (Q)
	36 Carbon Tetrachloride	117	3.895	3.884	(0.865)	2692	1.00000	0.966 (M)
	37 1,1-Dichloropropene	75	3.901	3.889	(0.867)	3217	1.00000	1.03 (M)
	141 2,2,4-Trimethylpentane	57	4.262	4.251	(0.947)	7225	1.00000	1.05 (Q)
	39 Benzene	78	4.157	4.146	(0.924)	9766	1.00000	1.01
	40 1,2-Dichloroethane	62	4.181	4.175	(0.929)	3352	1.00000	1.04 (M)
	38 Isobutyl alcohol	43	4.274	4.251	(0.950)	1977	5.00000	(QM)
*	41 Fluorobenzene	96	4.501	4.490	(1.000)	554541	50.0000	
	42 Trichloroethene	95	4.921	4.909	(1.093)	2441	1.00000	1.02
	43 Methylcyclohexane	55	5.125	5.119	(1.139)	3914	1.00000	1.18
	44 1,2-Dichloropropane	63	5.178	5.160	(1.150)	2538	1.00000	0.998 (M)
	45 Dibromomethane	93	5.300	5.288	(1.177)	1527	1.00000	1.10
	46 Methyl methacrylate	69	5.341	5.329	(1.186)	2420	1.00000	0.204 (QM)
	47 Bromodichloromethane	83	5.481	5.469	(1.218)	3497	1.00000	1.08 (M)
	48 2-Chloroethyl vinyl ether	63	5.824	5.813	(0.790)	2337	2.00000	2.20 (M)
	49 cis-1,3-Dichloropropene	75	5.953	5.941	(0.808)	4226	1.00000	1.08 (Q)
	50 4-Methyl-2-Pentanone	43	6.128	6.122	(0.832)	14277	5.00000	6.24
$	51 Toluene-d8	98	6.215	6.209	(0.843)	505245	50.0000	49.7
	52 Toluene	91	6.285	6.273	(0.853)	10373	1.00000	1.03
	53 trans-1,3-Dichloropropene	75	6.506	6.507	(0.883)	3496	1.00000	1.02
	54 Ethyl Methacrylate	69	6.611	6.606	(0.897)	4087	1.00000	(M)
	55 1,1,2-Trichloroethane	83	6.664	6.658	(0.904)	2137	1.00000	
	56 Tetrachloroethene	166	6.763	6.763	(0.918)	2748	1.00000	
	57 1,3-Dichloropropane	76	6.798	6.792	(0.922)	3947	1.00000	1.10
	58 2-Hexanone	43	6.879	6.880	(0.934)	9474	5.00000	6.02 (M)
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	2159	1.00000	1.02
	60 1,2-Dibromoethane	107	7.043	7.043	(0.956)	2245	1.00000	1.09
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	398398	50.0000	
	62 Chlorobenzene	112	7.387	7.387	(1.002)	7082	1.00000	1.12 (Q)
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	2187	1.00000	1.03 (Q)
	64 Ethylbenzene	106	7.468	7.462	(1.013)	4303	1.00000	(Q)
	65 m&p-Xylene	106	7.538	7.538	(1.023)	10503	2.00000	
	67 o-Xylene	106	7.777	7.777	(1.055)	5011	1.00000	(Q)
	68 Styrene	104	7.789	7.789	(1.057)	8990	1.00000	1.21
	69 Bromoform	173	7.894	7.894	(0.911)	1388	1.00000	1.04 (M)
	70 Isopropylbenzene	105	7.993	7.987	(1.085)	11953	1.00000	1.10
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	209064	50.0000	50.9
	74 Bromobenzene	77	8.156	8.150	(1.107)	5532	1.00000	1.21
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	3437	1.00000	
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	2832	1.00000	0.955 (M)
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	1367	1.00000	2.09 (QM)
	76 n-Propylbenzene	91	8.214	8.208	(0.948)	14478	1.00000	1.14
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	8865	1.00000	1.16
	78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	10955	1.00000	1.24

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	2770	1.00000	1.11(Q)
80 tert-Butylbenzene	119	8.465	8.465	(0.977)	10829	1.00000	1.19
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	11152	1.00000	1.26
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	12389	1.00000	1.14
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	5588	1.00000	1.16(Q)
84 p-Isopropyltoluene	119	8.646	8.640	(0.998)	10668	1.00000	1.17(Q)
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	223717	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	5832	1.00000	1.15(Q)
87 n-Butylbenzene	91	8.832	8.832	(1.020)	10433	1.00000	1.22
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	5711	1.00000	1.27
89 1,2-Dibromo-3-chloropropane	155	9.205	9.199	(1.063)	476	1.00000	1.16(QM)
90 1,2,4-Trichlorobenzene	180	9.561	9.561	(1.104)	2825	1.00000	0.999(M)
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	2213	1.00000	0.0936
92 Naphthalene	128	9.666	9.666	(1.116)	6525	1.00000	0.911
93 1,2,3-Trichlorobenzene	180	9.765	9.771	(1.127)	2573	1.00000	1.00(M)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a02cal.D
Lab Smp Id: 1ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 1ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	554541	-4.62
61 Chlorobenzene-d5	407981	203991	815962	398398	-2.35
85 1,4-Dichlorobenze	225028	112514	450056	223717	-0.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.50	0.26
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	1.11	
74-87-3	Chloromethane	3.74	
75-01-4	Vinyl Chloride	1.04	
74-83-9	Bromomethane	0.000	
75-00-3	Chloroethane	0.000	
75-69-4	Trichlorofluoromethane	1.01	
354-23-4	1,2-dichlorotrifluoroethane	0.000	
60-29-7	Diethyl ether	0.000	
75-65-0	2-methyl-2-propanol	2.29	
107-02-8	Acrolein	0.000	
76-13-1	1,1,2trichlorotrifluoroethan	1.10	
75-35-4	1,1-Dichloroethene	0.000	
67-64-1	Acetone	0.766	
----------	Iodomethane	1.99	
75-15-0	Carbon Disulfide	2.06	
79-20-9	Methyl Acetate	0.216	
107-05-1	allyl chloride	0.000	
75-09-2	Methylene Chloride	1.06	
107-13-1	Acrylonitrile	0.000	
1634-04-4	Methyl-tert-butyl ether	2.13	
156-60-5	1,2-Dichloroethene (trans)	1.11	
----------	n-Hexane	0.000	
75-34-3	1,1-Dichloroethane	1.05	
108-05-4	Vinyl Acetate	4.38	
156-59-2	1,2-Dichloroethene (cis)	1.05	
594-20-7	2,2-Dichloropropane	0.000	
78-93-3	2-Butanone	6.29	
126-98-7	Methacrylonitrile	3.88	
74-97-5	Bromochloromethane	0.996	
----------	Tetrahydrofuran	5.69	
67-66-3	Chloroform	0.000	
71-55-6	1,1,1-Trichloroethane	1.03	
110-82-7	Cyclohexane	1.18	
56-23-5	Carbon Tetrachloride	0.966	
563-58-6	1,1-Dichloropropene	1.03	
540-84-1	2,2,4-Trimethylpentane	1.05	
71-43-2	Benzene	1.01	
107-06-2	1,2-Dichloroethane	1.04	
78-83-1	Isobutyl alcohol	0.000	
79-01-6	Trichloroethene	1.02	
108-87-2	Methylcyclohexane	1.18	
78-87-5	1,2-Dichloropropane	0.998	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	1.10	
80-62-6	Methyl methacrylate	0.204	
75-27-4	Bromodichloromethane	1.08	
110-75-8	2-Chloroethyl vinyl ether	2.20	
10061-01-5	cis-1,3-Dichloropropene	1.08	
108-10-1	4-Methyl-2-Pentanone	6.24	
108-88-3	Toluene	1.03	
10061-02-6	trans-1,3-Dichloropropene	1.02	
	Ethyl Methacrylate	0.000	
79-00-5	1,1,2-Trichloroethane	0.000	
127-18-4	Tetrachloroethene	0.000	
142-28-9	1,3-Dichloropropane	1.10	
591-78-6	2-Hexanone	6.02	
124-48-1	Dibromochloromethane	1.02	
106-93-4	1,2-Dibromoethane	1.09	
108-90-7	Chlorobenzene	1.12	
630-20-6	1,1,1,2-Tetrachloroethane	1.03	
100-41-4	Ethylbenzene	0.000	
7816-60-0	m&p-Xylene	0.000	
95-47-6	o-Xylene	0.000	
100-42-5	Styrene	1.21	
75-25-2	Bromoform	1.04	
98-82-8	Isopropylbenzene	1.10	
108-86-1	Bromobenzene	1.21	
79-34-5	1,1,2,2-Tetrachloroethane	0.000	
96-18-4	1,2,3-Trichloropropane	0.955	
	trans-1,4-Dichloro-2-butene	2.09	
103-65-1	n-Propylbenzene	1.14	
95-49-8	2-Chlorotoluene	1.16	
108-67-8	1,3,5-Trimethylbenzene	1.24	
106-43-4	4-Chlorotoluene	1.11	
98-06-6	tert-Butylbenzene	1.19	
95-63-6	1,2,4-Trimethylbenzene	1.26	
135-98-8	sec-Butylbenzene	1.14	
541-73-1	1,3-Dichlorobenzene	1.16	
99-87-6	p-Isopropyltoluene	1.17	
106-46-7	1,4-Dichlorobenzene	1.15	
104-51-8	n-Butylbenzene	1.22	
95-50-1	1,2-Dichlorobenzene	1.27	
96-12-8	1,2-Dibromo-3-chloropropane	1.16	
120-82-1	1,2,4-Trichlorobenzene	0.999	
87-68-3	Hexachlorobutadiene	0.0936	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 1ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

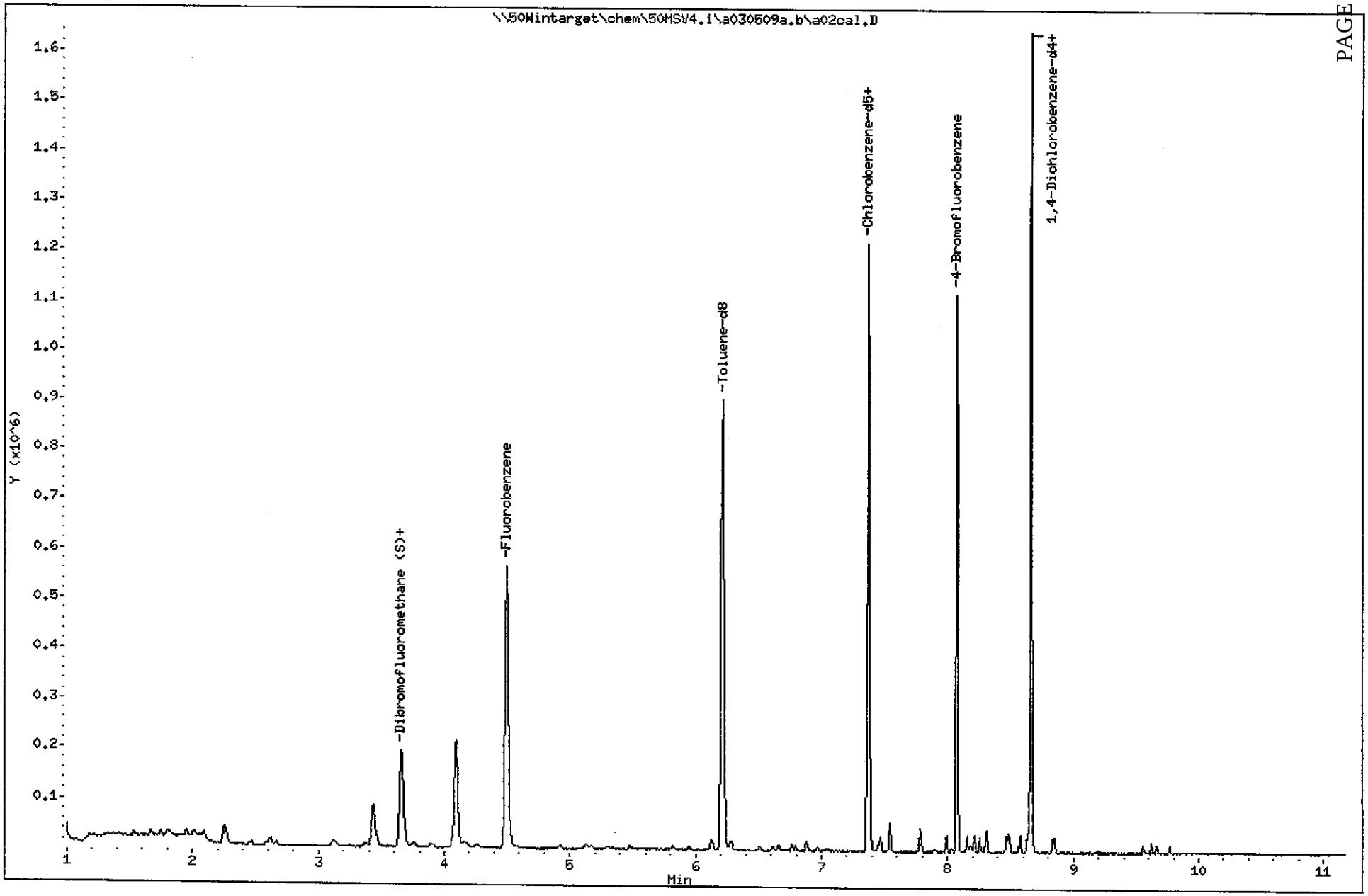
Client SDG: a030509a.b
Client Smp ID: 1ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	0.911	
87-61-6	1,2,3-Trichlorobenzene	1.00	
1868-53-7	Dibromofluoromethane (S)	52.3	
2037-26-5	Toluene-d8	49.7	
460-00-4	4-Bromofluorobenzene	50.9	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a02cal.D
Date : 05-MAR-2009 15:56
Client ID: 1ppb
Sample Info: 1ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a02cal.D

Date : 05-MAR-2009 15:56

Client ID: 1ppb

Instrument: 50MSV4.i

Sample Info: 1ppb

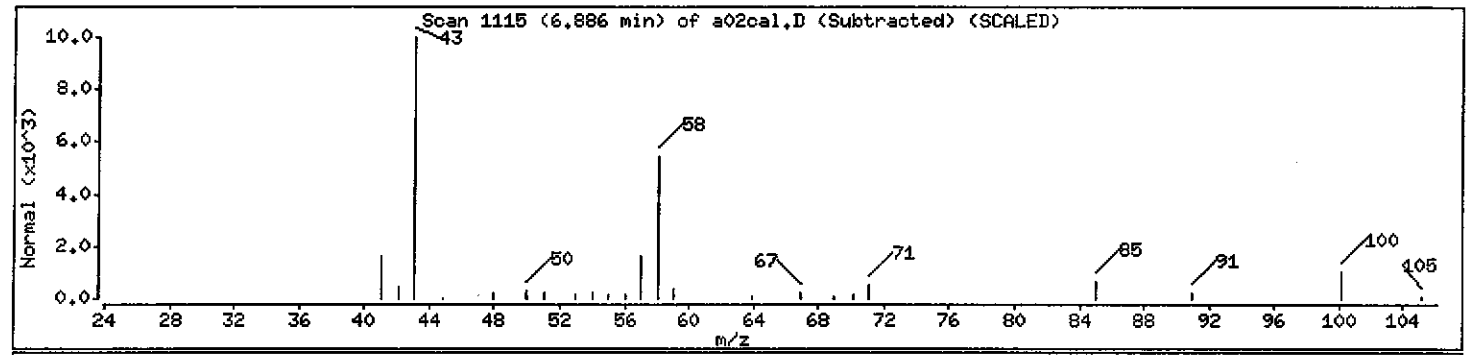
Purge Volume: 5.0

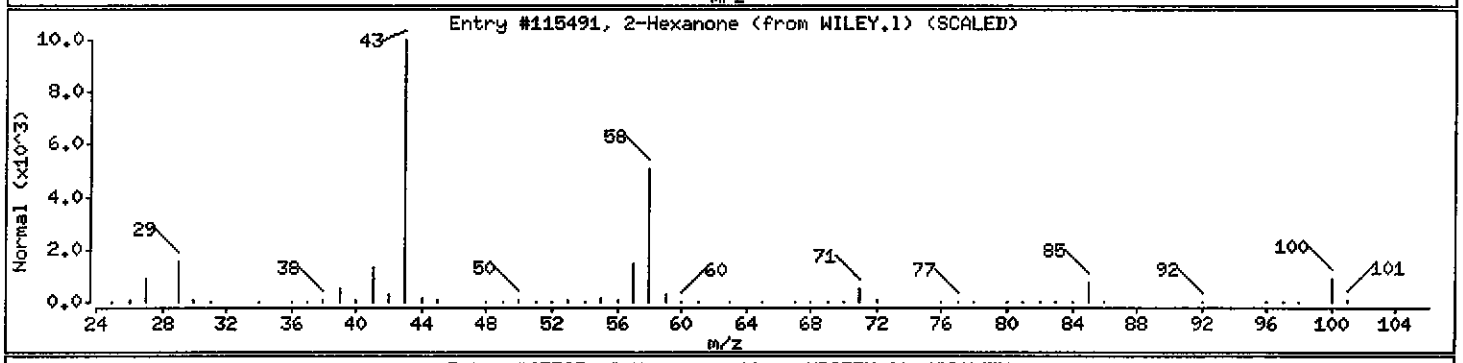
Operator: slb

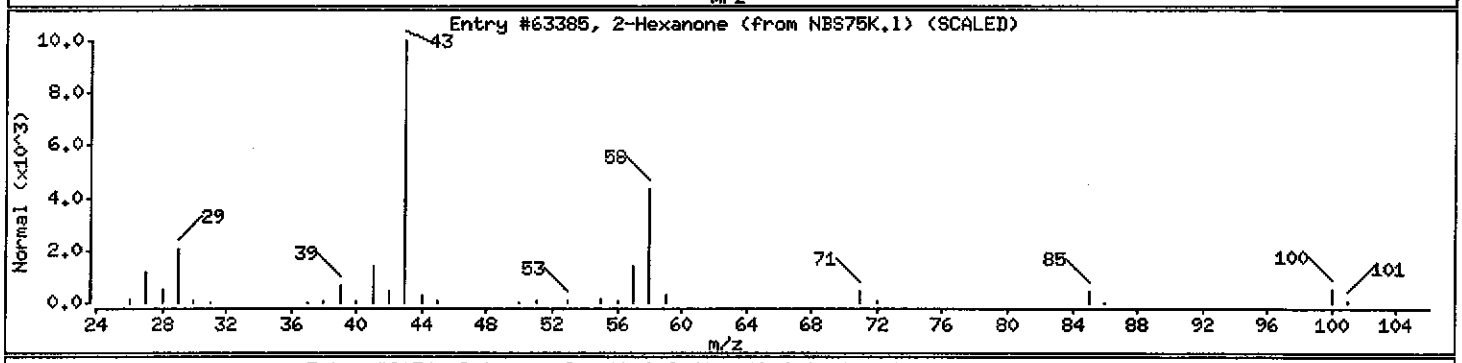
Column phase: DB-624

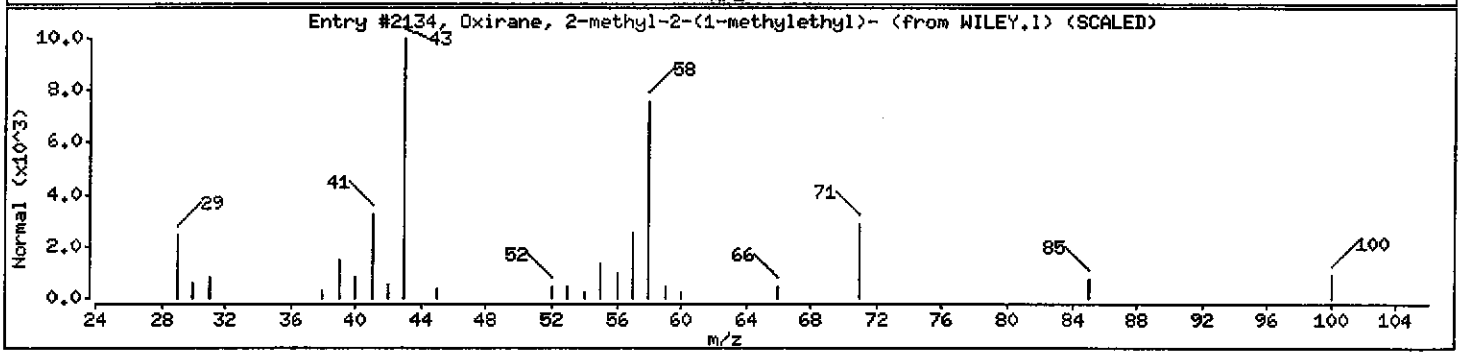
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
2-Hexanone	591-78-6	WILEY.l	115491	90	C6H12O	100
2-Hexanone	591-78-6	NBS75K.l	63385	90	C6H12O	100
Oxirane, 2-methyl-2-(1-methylethyl)-	72221-03-5	WILEY.l	2134	72	C6H12O	100









Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a03cal.D
Lab Smp Id: 5ppb Client Smp ID: 5ppb
Inj Date : 05-MAR-2009 16:26
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 7 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.068	1.074	(0.237)	15083	5.00000	5.12
2 Chloromethane	50	1.179	1.179	(0.262)	17759	5.00000	7.90
3 Vinyl Chloride	62	1.214	1.214	(0.270)	13149	5.00000	4.55(Q)
4 Bromomethane	94	1.366	1.366	(0.303)	8917	5.00000	7.59
5 Chloroethane	64	1.412	1.412	(0.314)	7820	5.00000	4.55
6 Trichlorofluoromethane	101	1.535	1.535	(0.341)	15337	5.00000	5.11
7 1,2-dichlorotrifluoroethane	67	1.663	1.657	(0.369)	13095	5.00000	3.55(Q)
8 Diethyl ether	74	1.674	1.669	(0.372)	5502	10.0000	3.91(Q)
18 2-methyl-2-propanol	59	1.674	1.669	(0.372)	7673	10.0000	10.2(Q)
9 Acrolein	56	1.744	1.745	(0.388)	31116	100.000	30.8
10 1,1,2trichlorotrifluoroethane	101	1.797	1.791	(0.399)	8199	5.00000	4.90
11 1,1-Dichloroethene	96	1.809	1.803	(0.402)	8610	5.00000	3.38
12 Acetone	43	1.826	1.826	(0.406)	19675	25.0000	13.6
13 Iodomethane	142	1.908	1.902	(0.424)	6526	10.0000	4.48(M)
14 Carbon Disulfide	76	1.948	1.949	(0.433)	49394	10.0000	9.65
16 Methyl Acetate	43	1.826	1.826	(0.406)	19675	5.00000	2.80
15 allyl chloride	41	2.013	2.007	(0.447)	41906	10.0000	4.80
17 Methylene Chloride	84	2.088	2.083	(0.464)	10979	5.00000	5.05
19 Acrylonitrile	53	2.252	2.240	(0.500)	101719	100.000	19.7
20 Methyl-tert-butyl ether	73	2.269	2.257	(0.504)	58877	10.0000	10.2
21 1,2-Dichloroethene (trans)	96	2.269	2.263	(0.504)	10629	5.00000	5.02
22 n-Hexane	57	2.467	2.456	(0.548)	14119	5.00000	2.06(QM)
23 1,1-Dichloroethane	63	2.590	2.578	(0.575)	22545	5.00000	4.92

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.619	2.607	(0.582)	98668	20.0000	19.2
	26 1,2-Dichloroethene (cis)	96	3.120	3.103	(0.693)	13074	5.00000	5.10
	27 2,2-Dichloropropane	77	3.120	3.108	(0.693)	14433	5.00000	3.45
	28 2-Butanone	43	3.137	3.120	(0.697)	31413	25.0000	24.6(M)
	144 Methacrylonitrile	41	3.120	3.120	(0.693)	10188	25.0000	27.0(M)
	30 Bromochloromethane	49	3.376	3.359	(0.750)	12074	5.00000	5.17
	31 Tetrahydrofuran	42	3.435	3.423	(0.763)	71822	5.00000	2.14
	32 Chloroform	83	3.470	3.452	(0.771)	20529	5.00000	3.92
$	33 Dibromofluoromethane (S)	113	3.662	3.645	(0.814)	137513	50.0000	50.7
	34 1,1,1-Trichloroethane	97	3.685	3.674	(0.819)	17042	5.00000	4.79
	35 Cyclohexane	56	3.755	3.738	(0.834)	20802	5.00000	4.59(Q)
	145 isopropyl acetate	61	1.214	1.214	(0.270)	1177	12.5000	12.5(QM)
	36 Carbon Tetrachloride	117	3.895	3.884	(0.865)	13220	5.00000	4.58
	37 1,1-Dichloropropene	75	3.901	3.889	(0.867)	15957	5.00000	4.93
	141 2,2,4-Trimethylpentane	57	4.268	4.251	(0.948)	34989	5.00000	4.92
	39 Benzene	78	4.157	4.146	(0.924)	47690	5.00000	4.76
	40 1,2-Dichloroethane	62	4.187	4.175	(0.930)	16576	5.00000	4.97
	38 Isobutyl alcohol	43	4.262	4.251	(0.947)	7715	25.0000	17.4
*	41 Fluorobenzene	96	4.501	4.490	(1.000)	574524	50.0000	
	42 Trichloroethene	95	4.921	4.909	(1.093)	12069	5.00000	4.86
	43 Methylcyclohexane	55	5.125	5.119	(1.139)	16159	5.00000	4.72
	44 1,2-Dichloropropane	63	5.172	5.160	(1.149)	12500	5.00000	4.74
	45 Dibromomethane	93	5.300	5.288	(1.177)	6759	5.00000	4.71
	46 Methyl methacrylate	69	5.341	5.329	(1.186)	8497	5.00000	4.06
	47 Bromodichloromethane	83	5.481	5.469	(1.218)	14641	5.00000	4.37
	48 2-Chloroethyl vinyl ether	63	5.819	5.813	(0.790)	9813	10.0000	9.06
	49 cis-1,3-Dichloropropene	75	5.953	5.941	(0.808)	18778	5.00000	4.72
	50 4-Methyl-2-Pentanone	43	6.128	6.122	(0.832)	54655	25.0000	23.4
$	51 Toluene-d8	98	6.215	6.209	(0.843)	520713	50.0000	50.2
	52 Toluene	91	6.279	6.273	(0.852)	49459	5.00000	4.82
	53 trans-1,3-Dichloropropene	75	6.512	6.507	(0.884)	16398	5.00000	4.69
	54 Ethyl Methacrylate	69	6.611	6.606	(0.897)	15466	5.00000	3.46(M)
	55 1,1,2-Trichloroethane	83	6.664	6.658	(0.904)	8117	5.00000	3.59
	56 Tetrachloroethene	166	6.769	6.763	(0.919)	16446	5.00000	5.26
	57 1,3-Dichloropropane	76	6.798	6.792	(0.922)	17777	5.00000	4.85
	58 2-Hexanone	43	6.885	6.880	(0.934)	39061	25.0000	24.3
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	10129	5.00000	4.69
	60 1,2-Dibromoethane	107	7.043	7.043	(0.956)	9864	5.00000	4.69
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	406506	50.0000	
	62 Chlorobenzene	112	7.387	7.387	(1.002)	31636	5.00000	4.91(Q)
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	9943	5.00000	4.58
	64 Ethylbenzene	106	7.468	7.462	(1.013)	18284	5.00000	3.26
	65 m&p-Xylene	106	7.538	7.538	(1.023)	44440	10.0000	3.84
	67 o-Xylene	106	7.777	7.777	(1.055)	21602	5.00000	2.26
	68 Styrene	104	7.789	7.789	(1.057)	37154	5.00000	4.89
	69 Bromoform	173	7.894	7.894	(0.911)	5702	5.00000	4.20
	70 Isopropylbenzene	105	7.993	7.987	(1.085)	54500	5.00000	4.93
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	213945	50.0000	51.0
	74 Bromobenzene	77	8.156	8.150	(1.107)	22739	5.00000	4.88
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	12525	5.00000	3.08
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	13727	5.00000	4.53
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	3671	5.00000	4.81(Q)
	76 n-Propylbenzene	91	8.214	8.208	(0.948)	62786	5.00000	4.84
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	38040	5.00000	4.87

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	41652	5.00000	4.60
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	12723	5.00000	4.97
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	43483	5.00000	4.69
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	42667	5.00000	4.70
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	52553	5.00000	4.71
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	23881	5.00000	4.83
84 p-Isopropyltoluene	119	8.646	8.640	(0.998)	43739	5.00000	4.70
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	228785	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	24623	5.00000	4.77(Q)
87 n-Butylbenzene	91	8.838	8.832	(1.020)	40206	5.00000	4.61
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	21883	5.00000	4.77
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	1890	5.00000	4.52
90 1,2,4-Trichlorobenzene	180	9.561	9.561	(1.104)	13010	5.00000	4.50
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	7315	5.00000	3.65
92 Naphthalene	128	9.666	9.666	(1.116)	30575	5.00000	4.17
93 1,2,3-Trichlorobenzene	180	9.770	9.771	(1.128)	11098	5.00000	4.22
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	3046	5.00000	8.49(Q)

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a03cal.D
Lab Smp Id: 5ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 5ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	574524	-1.18
61 Chlorobenzene-d5	407981	203991	815962	406506	-0.36
85 1,4-Dichlorobenze	225028	112514	450056	228785	1.67

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.50	0.26
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	5.12	
74-87-3	Chloromethane	7.90	
75-01-4	Vinyl Chloride	4.55	
74-83-9	Bromomethane	7.59	
75-00-3	Chloroethane	4.55	
75-69-4	Trichlorofluoromethane	5.11	
354-23-4	1,2-dichlorotrifluoroethane	3.55	
60-29-7	Diethyl ether	3.91	
75-65-0	2-methyl-2-propanol	10.2	
107-02-8	Acrolein	30.8	
76-13-1	1,1,2trichlorotrifluoroethan	4.90	
75-35-4	1,1-Dichloroethene	3.38	
67-64-1	Acetone	13.6	
	Iodomethane	4.48	
75-15-0	Carbon Disulfide	9.65	
79-20-9	Methyl Acetate	2.80	
107-05-1	allyl chloride	4.80	
75-09-2	Methylene Chloride	5.05	
107-13-1	Acrylonitrile	19.7	
1634-04-4	Methyl-tert-butyl ether	10.2	
156-60-5	1,2-Dichloroethene (trans)	5.02	
	n-Hexane	2.06	
75-34-3	1,1-Dichloroethane	4.92	
108-05-4	Vinyl Acetate	19.2	
156-59-2	1,2-Dichloroethene (cis)	5.10	
594-20-7	2,2-Dichloropropane	3.45	
78-93-3	2-Butanone	24.6	
126-98-7	Methacrylonitrile	27.0	
74-97-5	Bromochloromethane	5.17	
	Tetrahydrofuran	2.14	
67-66-3	Chloroform	3.92	
71-55-6	1,1,1-Trichloroethane	4.79	
110-82-7	Cyclohexane	4.59	
108-21-4	isopropyl acetate	12.5	
56-23-5	Carbon Tetrachloride	4.58	
563-58-6	1,1-Dichloropropene	4.93	
540-84-1	2,2,4-Trimethylpentane	4.92	
71-43-2	Benzene	4.76	
107-06-2	1,2-Dichloroethane	4.97	
78-83-1	Isobutyl alcohol	17.4	
79-01-6	Trichloroethene	4.86	
108-87-2	Methylcyclohexane	4.72	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	4.74	
74-95-3	Dibromomethane	4.71	
80-62-6	Methyl methacrylate	4.06	
75-27-4	Bromodichloromethane	4.37	
110-75-8	2-Chloroethyl vinyl ether	9.06	
10061-01-5	cis-1,3-Dichloropropene	4.72	
108-10-1	4-Methyl-2-Pentanone	23.4	
108-88-3	Toluene	4.82	
10061-02-6	trans-1,3-Dichloropropene	4.69	
	Ethyl Methacrylate	3.46	
79-00-5	1,1,2-Trichloroethane	3.59	
127-18-4	Tetrachloroethene	5.26	
142-28-9	1,3-Dichloropropane	4.85	
591-78-6	2-Hexanone	24.3	
124-48-1	Dibromochloromethane	4.69	
106-93-4	1,2-Dibromoethane	4.69	
108-90-7	Chlorobenzene	4.91	
630-20-6	1,1,1,2-Tetrachloroethane	4.58	
100-41-4	Ethylbenzene	3.26	
7816-60-0	m&p-Xylene	3.84	
95-47-6	o-Xylene	2.26	
100-42-5	Styrene	4.89	
75-25-2	Bromoform	4.20	
98-82-8	Isopropylbenzene	4.93	
108-86-1	Bromobenzene	4.88	
79-34-5	1,1,2,2-Tetrachloroethane	3.08	
96-18-4	1,2,3-Trichloropropane	4.53	
	trans-1,4-Dichloro-2-butene	4.81	
103-65-1	n-Propylbenzene	4.84	
95-49-8	2-Chlorotoluene	4.87	
108-67-8	1,3,5-Trimethylbenzene	4.60	
106-43-4	4-Chlorotoluene	4.97	
98-06-6	tert-Butylbenzene	4.69	
95-63-6	1,2,4-Trimethylbenzene	4.70	
135-98-8	sec-Butylbenzene	4.71	
541-73-1	1,3-Dichlorobenzene	4.83	
99-87-6	p-Isopropyltoluene	4.70	
106-46-7	1,4-Dichlorobenzene	4.77	
104-51-8	n-Butylbenzene	4.61	
95-50-1	1,2-Dichlorobenzene	4.77	
96-12-8	1,2-Dibromo-3-chloropropane	4.52	
120-82-1	1,2,4-Trichlorobenzene	4.50	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

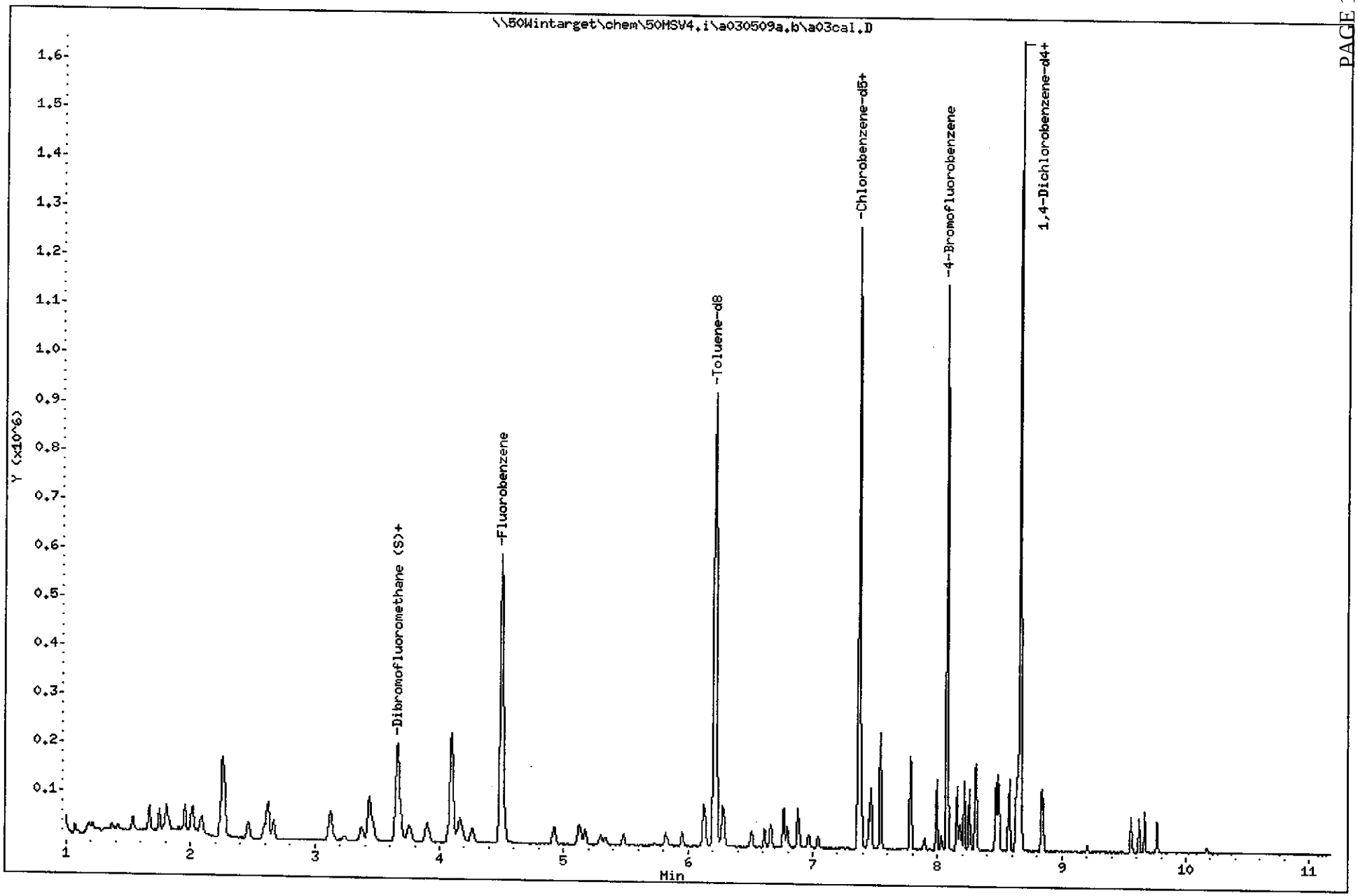
Client SDG: a030509a.b
Client Smp ID: 5ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	3.65	
91-20-3	Naphthalene	4.17	
87-61-6	1,2,3-Trichlorobenzene	4.22	
	2,methyl-naphthalene	8.49	
1868-53-7	Dibromofluoromethane (S)	50.7	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	51.0	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a03cal.D
Date : 05-MAR-2009 16:26
Client ID: 5ppb
Sample Info: 5ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a03cal.D

Date : 05-MAR-2009 16:26

Client ID: 5ppb

Instrument: 50MSV4.i

Sample Info: 5ppb

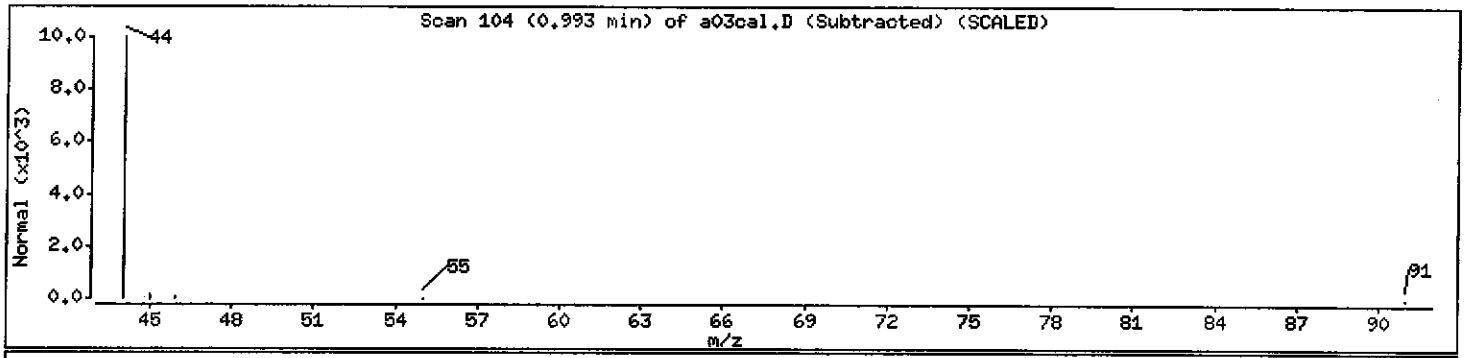
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a04cal.D
Lab Smp Id: 10ppb Client Smp ID: 10ppb
Inj Date : 05-MAR-2009 16:56
Operator : slb Inst ID: 50MSV4.i
Smp Info : 10ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 9 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	1.068	1.074	(0.238)	32719	10.0000	11.3
2 Chloromethane	50	1.173	1.179	(0.261)	34161	10.0000	13.1
3 Vinyl Chloride	62	1.208	1.214	(0.269)	29988	10.0000	10.6
4 Bromomethane	94	1.366	1.366	(0.304)	11911	10.0000	12.1(Q)
5 Chloroethane	64	1.412	1.412	(0.315)	14669	10.0000	11.6
6 Trichlorofluoromethane	101	1.529	1.535	(0.341)	34231	10.0000	11.6
7 1,2-dichlorotrifluoroethane	67	1.657	1.657	(0.369)	21393	10.0000	8.26
8 Diethyl ether	74	1.669	1.669	(0.372)	10647	20.0000	15.8
18 2-methyl-2-propanol	59	1.663	1.669	(0.370)	15646	20.0000	21.2
9 Acrolein	56	1.739	1.745	(0.387)	71014	200.000	195
10 1,1,2trichlorotrifluoroethane	101	1.791	1.791	(0.399)	17381	10.0000	10.6
11 1,1-Dichloroethene	96	1.803	1.803	(0.402)	16542	10.0000	8.91
12 Acetone	43	1.820	1.826	(0.405)	32959	50.0000	39.9
13 Iodomethane	142	1.902	1.902	(0.424)	21593	20.0000	12.6
14 Carbon Disulfide	76	1.943	1.949	(0.433)	99069	20.0000	19.8
16 Methyl Acetate	43	1.820	1.826	(0.405)	32959	10.0000	8.05
15 allyl chloride	41	2.001	2.007	(0.446)	74451	20.0000	16.8
17 Methylene Chloride	84	2.077	2.083	(0.463)	20192	10.0000	10.0
19 Acrylonitrile	53	2.240	2.240	(0.499)	202047	200.000	156
20 Methyl-tert-butyl ether	73	2.257	2.257	(0.503)	118468	20.0000	20.9
21 1,2-Dichloroethene (trans)	96	2.263	2.263	(0.504)	22183	10.0000	10.7
22 n-Hexane	57	2.456	2.456	(0.547)	31081	10.0000	8.39
23 1,1-Dichloroethane	63	2.578	2.578	(0.574)	46988	10.0000	10.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.607	2.607	(0.581)	221393	40.0000	44.0
	26 1,2-Dichloroethene (cis)	96	3.103	3.103	(0.691)	26521	10.0000	10.6
	27 2,2-Dichloropropane	77	3.103	3.108	(0.691)	29109	10.0000	8.72
	28 2-Butanone	43	3.120	3.120	(0.695)	59738	50.0000	47.8
	144 Methacrylonitrile	41	3.103	3.120	(0.691)	19052	50.0000	51.6(M)
	30 Bromochloromethane	49	3.359	3.359	(0.748)	24585	10.0000	10.8
	31 Tetrahydrofuran	42	3.417	3.423	(0.761)	75914	10.0000	10.0
	32 Chloroform	83	3.452	3.452	(0.769)	42498	10.0000	9.73
$	33 Dibromofluoromethane (S)	113	3.645	3.645	(0.812)	134749	50.0000	50.7
	34 1,1,1-Trichloroethane	97	3.668	3.674	(0.817)	35043	10.0000	10.1
	35 Cyclohexane	56	3.738	3.738	(0.833)	44202	10.0000	9.95
	145 isopropyl acetate	61	1.214	1.214	(0.270)	2583	25.0000	28.0(QM)
	36 Carbon Tetrachloride	117	3.884	3.884	(0.865)	26624	10.0000	9.41
	37 1,1-Dichloropropene	75	3.884	3.889	(0.865)	32000	10.0000	10.1
	141 2,2,4-Trimethylpentane	57	4.251	4.251	(0.947)	66358	10.0000	9.53
	39 Benzene	78	4.146	4.146	(0.923)	99797	10.0000	10.2
	40 1,2-Dichloroethane	62	4.175	4.175	(0.930)	33572	10.0000	10.3
	38 Isobutyl alcohol	43	4.251	4.251	(0.947)	14407	50.0000	46.4(M)
*	41 Fluorobenzene	96	4.490	4.490	(1.000)	562717	50.0000	
	42 Trichloroethene	95	4.909	4.909	(1.093)	23400	10.0000	9.62
	43 Methylcyclohexane	55	5.113	5.119	(1.139)	32146	10.0000	9.58
	44 1,2-Dichloropropane	63	5.160	5.160	(1.149)	26251	10.0000	10.2
	45 Dibromomethane	93	5.288	5.288	(1.178)	14145	10.0000	10.1
	46 Methyl methacrylate	69	5.329	5.329	(1.187)	16415	10.0000	9.39
	47 Bromodichloromethane	83	5.469	5.469	(1.218)	31399	10.0000	9.57
	48 2-Chloroethyl vinyl ether	63	5.813	5.813	(0.789)	20366	20.0000	19.0
	49 cis-1,3-Dichloropropene	75	5.947	5.941	(0.807)	38894	10.0000	9.86
	50 4-Methyl-2-Pentanone	43	6.122	6.122	(0.831)	111815	50.0000	48.3
$	51 Toluene-d8	98	6.209	6.209	(0.843)	514503	50.0000	50.1
	52 Toluene	91	6.273	6.273	(0.851)	99779	10.0000	9.82
	53 trans-1,3-Dichloropropene	75	6.501	6.507	(0.882)	32980	10.0000	9.52
	54 Ethyl Methacrylate	69	6.606	6.606	(0.896)	29947	10.0000	8.86
	55 1,1,2-Trichloroethane	83	6.658	6.658	(0.904)	16799	10.0000	8.96
	56 Tetrachloroethene	166	6.763	6.763	(0.918)	25763	10.0000	9.09
	57 1,3-Dichloropropane	76	6.792	6.792	(0.922)	36137	10.0000	9.94
	58 2-Hexanone	43	6.880	6.880	(0.934)	79591	50.0000	50.0
	59 Dibromochloromethane	129	6.961	6.967	(0.945)	20610	10.0000	9.62
	60 1,2-Dibromoethane	107	7.037	7.043	(0.955)	19976	10.0000	9.58
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	402867	50.0000	
	62 Chlorobenzene	112	7.387	7.387	(1.002)	64604	10.0000	10.1
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	21096	10.0000	9.80
	64 Ethylbenzene	106	7.462	7.462	(1.013)	36098	10.0000	8.90
	65 m&p-Xylene	106	7.538	7.538	(1.023)	91890	20.0000	16.9
	67 o-Xylene	106	7.777	7.777	(1.055)	44021	10.0000	8.38
	68 Styrene	104	7.789	7.789	(1.057)	75473	10.0000	10.0
	69 Bromoform	173	7.894	7.894	(0.911)	12180	10.0000	9.16
	70 Isopropylbenzene	105	7.987	7.987	(1.084)	111333	10.0000	10.2
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	210898	50.0000	50.8
	74 Bromobenzene	77	8.150	8.150	(1.106)	45548	10.0000	9.86
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	25146	10.0000	8.77
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	28720	10.0000	9.68
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	7629	10.0000	9.62
	76 n-Propylbenzene	91	8.208	8.208	(0.948)	130009	10.0000	10.2
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	79000	10.0000	10.3

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	87623	10.0000	9.89
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	25794	10.0000	10.3
80 tert-Butylbenzene	119	8.465	8.465	(0.977)	94379	10.0000	10.4
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	88159	10.0000	9.91
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	108198	10.0000	9.92
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	48342	10.0000	9.99
84 p-Isopropyltoluene	119	8.640	8.640	(0.997)	91257	10.0000	10.0
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	223921	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	50789	10.0000	10.0
87 n-Butylbenzene	91	8.832	8.832	(1.020)	83862	10.0000	9.82
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	45404	10.0000	10.1
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	4166	10.0000	10.2
90 1,2,4-Trichlorobenzene	180	9.555	9.561	(1.103)	28779	10.0000	10.2
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	14920	10.0000	9.22
92 Naphthalene	128	9.666	9.666	(1.116)	74712	10.0000	10.4
93 1,2,3-Trichlorobenzene	180	9.765	9.771	(1.127)	25592	10.0000	9.94
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	11866	10.0000	10.7

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a04cal.D
Lab Smp Id: 10ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 10ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	562717	-3.21
61 Chlorobenzene-d5	407981	203991	815962	402867	-1.25
85 1,4-Dichlorobenze	225028	112514	450056	223921	-0.49

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.49	0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	11.3	
74-87-3	Chloromethane	13.1	
75-01-4	Vinyl Chloride	10.6	
74-83-9	Bromomethane	12.1	
75-00-3	Chloroethane	11.6	
75-69-4	Trichlorofluoromethane	11.6	
354-23-4	1,2-dichlorotrifluoroethane	8.26	
60-29-7	Diethyl ether	15.8	
75-65-0	2-methyl-2-propanol	21.2	
107-02-8	Acrolein	195	
76-13-1	1,1,2trichlorotrifluoroethan	10.6	
75-35-4	1,1-Dichloroethene	8.91	
67-64-1	Acetone	39.9	
----------	Iodomethane	12.6	
75-15-0	Carbon Disulfide	19.8	
79-20-9	Methyl Acetate	8.05	
107-05-1	allyl chloride	16.8	
75-09-2	Methylene Chloride	10.0	
107-13-1	Acrylonitrile	156	
1634-04-4	Methyl-tert-butyl ether	20.9	
156-60-5	1,2-Dichloroethene (trans)	10.7	
----------	n-Hexane	8.39	
75-34-3	1,1-Dichloroethane	10.5	
108-05-4	Vinyl Acetate	44.0	
156-59-2	1,2-Dichloroethene (cis)	10.6	
594-20-7	2,2-Dichloropropane	8.72	
78-93-3	2-Butanone	47.8	
126-98-7	Methacrylonitrile	51.6	
74-97-5	Bromochloromethane	10.8	
----------	Tetrahydrofuran	10.0	
67-66-3	Chloroform	9.73	
71-55-6	1,1,1-Trichloroethane	10.1	
110-82-7	Cyclohexane	9.95	
108-21-4	isopropyl acetate	28.0	
56-23-5	Carbon Tetrachloride	9.41	
563-58-6	1,1-Dichloropropene	10.1	
540-84-1	2,2,4-Trimethylpentane	9.53	
71-43-2	Benzene	10.2	
107-06-2	1,2-Dichloroethane	10.3	
78-83-1	Isobutyl alcohol	46.4	
79-01-6	Trichloroethene	9.62	
108-87-2	Methylcyclohexane	9.58	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	10.2	
74-95-3	Dibromomethane	10.1	
80-62-6	Methyl methacrylate	9.39	
75-27-4	Bromodichloromethane	9.57	
110-75-8	2-Chloroethyl vinyl ether	19.0	
10061-01-5	cis-1,3-Dichloropropene	9.86	
108-10-1	4-Methyl-2-Pentanone	48.3	
108-88-3	Toluene	9.82	
10061-02-6	trans-1,3-Dichloropropene	9.52	
----------	Ethyl Methacrylate	8.86	
79-00-5	1,1,2-Trichloroethane	8.96	
127-18-4	Tetrachloroethene	9.09	
142-28-9	1,3-Dichloropropane	9.94	
591-78-6	2-Hexanone	50.0	
124-48-1	Dibromochloromethane	9.62	
106-93-4	1,2-Dibromoethane	9.58	
108-90-7	Chlorobenzene	10.1	
630-20-6	1,1,1,2-Tetrachloroethane	9.80	
100-41-4	Ethylbenzene	8.90	
7816-60-0	m&p-Xylene	16.9	
95-47-6	o-Xylene	8.38	
100-42-5	Styrene	10.0	
75-25-2	Bromoform	9.16	
98-82-8	Isopropylbenzene	10.2	
108-86-1	Bromobenzene	9.86	
79-34-5	1,1,2,2-Tetrachloroethane	8.77	
96-18-4	1,2,3-Trichloropropane	9.68	
----------	trans-1,4-Dichloro-2-butene	9.62	
103-65-1	n-Propylbenzene	10.2	
95-49-8	2-Chlorotoluene	10.3	
108-67-8	1,3,5-Trimethylbenzene	9.89	
106-43-4	4-Chlorotoluene	10.3	
98-06-6	tert-Butylbenzene	10.4	
95-63-6	1,2,4-Trimethylbenzene	9.91	
135-98-8	sec-Butylbenzene	9.92	
541-73-1	1,3-Dichlorobenzene	9.99	
99-87-6	p-Isopropyltoluene	10.0	
106-46-7	1,4-Dichlorobenzene	10.0	
104-51-8	n-Butylbenzene	9.82	
95-50-1	1,2-Dichlorobenzene	10.1	
96-12-8	1,2-Dibromo-3-chloropropane	10.2	
120-82-1	1,2,4-Trichlorobenzene	10.2	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 10ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

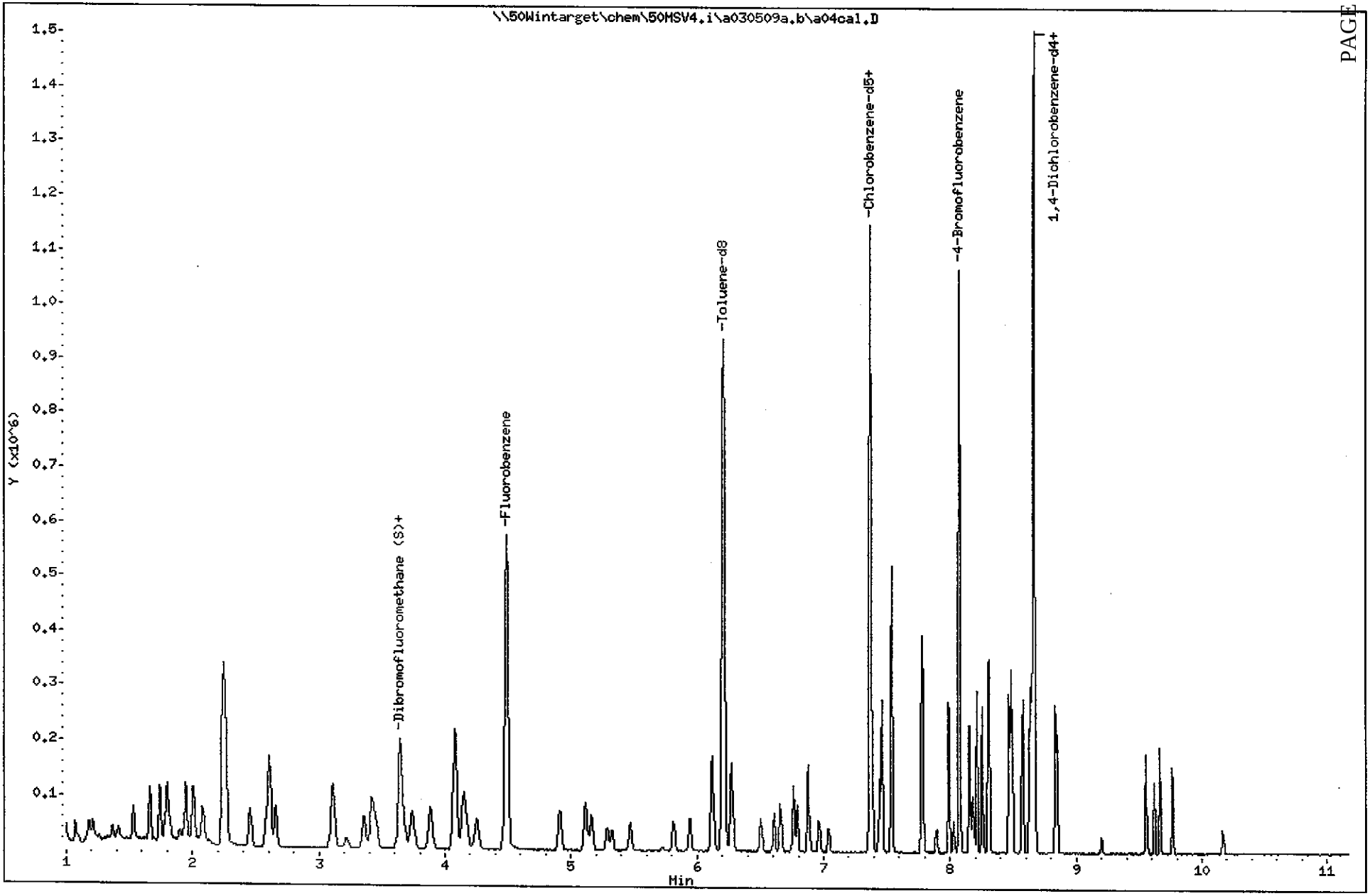
Client SDG: a030509a.b
Client Smp ID: 10ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	9.22	
91-20-3	Naphthalene	10.4	
87-61-6	1,2,3-Trichlorobenzene	9.94	
	2,methyl-naphthalene	10.7	
1868-53-7	Dibromofluoromethane (S)	50.7	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	50.8	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a04cal.D
Date : 05-MAR-2009 16:56
Client ID: 10ppb
Sample Info: 10ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a04cal.D

Date : 05-MAR-2009 16:56

Client ID: 10ppb

Instrument: 50MSV4.i

Sample Info: 10ppb

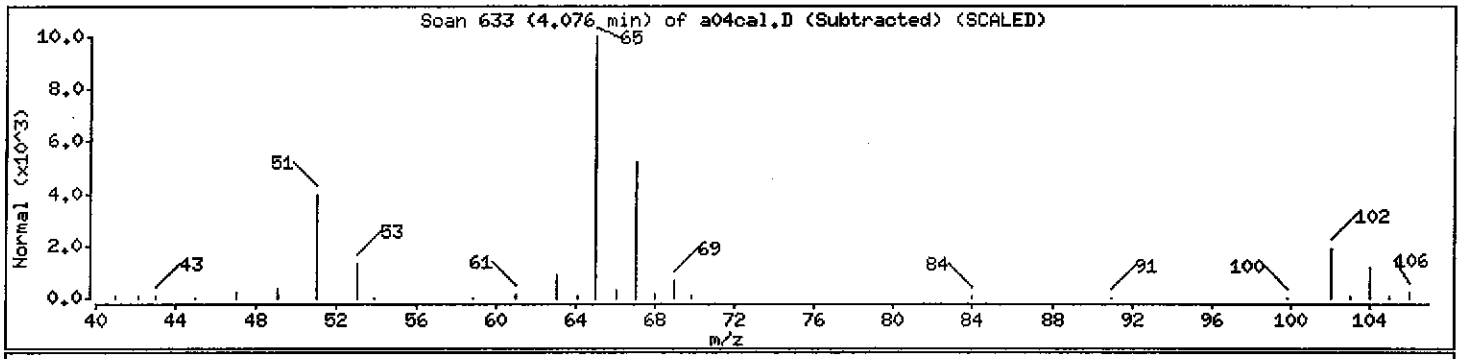
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a05cal.D
Lab Smp Id: 50ppb Client Smp ID: 50ppb
Inj Date : 05-MAR-2009 17:26
Operator : slb Inst ID: 50MSV4.i
Smp Info : 50ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 11 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	1.074	1.074	(0.239)	149268	50.0000	50.1
2 Chloromethane	50	1.179	1.179	(0.263)	147310	50.0000	46.8
3 Vinyl Chloride	62	1.214	1.214	(0.270)	137433	50.0000	47.0
4 Bromomethane	94	1.366	1.366	(0.304)	43703	50.0000	54.9
5 Chloroethane	64	1.412	1.412	(0.315)	61697	50.0000	56.9
6 Trichlorofluoromethane	101	1.535	1.535	(0.342)	156688	50.0000	51.6
7 1,2-dichlorotrifluoroethane	67	1.657	1.657	(0.369)	107303	50.0000	53.6
8 Diethyl ether	74	1.669	1.669	(0.372)	54572	100.000	111
18 2-methyl-2-propanol	59	1.669	1.669	(0.372)	81214	100.000	106
9 Acrolein	56	1.745	1.745	(0.389)	304193	1000.00	1100
10 1,1,2trichlorotrifluoroethane	101	1.791	1.791	(0.399)	84822	50.0000	50.1
11 1,1-Dichloroethene	96	1.803	1.803	(0.402)	83571	50.0000	52.8
12 Acetone	43	1.826	1.826	(0.407)	149555	250.000	254
13 Iodomethane	142	1.902	1.902	(0.424)	183039	100.000	95.3
14 Carbon Disulfide	76	1.949	1.949	(0.434)	500591	100.000	96.7
16 Methyl Acetate	43	1.826	1.826	(0.407)	149555	50.0000	50.9
15 allyl chloride	41	2.007	2.007	(0.447)	350053	100.000	112
17 Methylene Chloride	84	2.083	2.083	(0.464)	99619	50.0000	50.1
19 Acrylonitrile	53	2.240	2.240	(0.499)	978672	1000.00	1150
20 Methyl-tert-butyl ether	73	2.257	2.257	(0.503)	609805	100.000	104
21 1,2-Dichloroethene (trans)	96	2.263	2.263	(0.504)	108427	50.0000	50.6
22 n-Hexane	57	2.456	2.456	(0.547)	161051	50.0000	54.2
23 1,1-Dichloroethane	63	2.578	2.578	(0.574)	237392	50.0000	51.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.607	2.607	(0.581)	1085021	200.000	209
	26 1,2-Dichloroethene (cis)	96	3.103	3.103	(0.691)	127543	50.0000	49.2
	27 2,2-Dichloropropane	77	3.108	3.108	(0.692)	155408	50.0000	51.3
	28 2-Butanone	43	3.120	3.120	(0.695)	305662	250.000	237
	144 Methacrylonitrile	41	3.108	3.120	(0.692)	100887	250.000	264(M)
	30 Bromochloromethane	49	3.359	3.359	(0.748)	121562	50.0000	51.5
	31 Tetrahydrofuran	42	3.423	3.423	(0.762)	104558	50.0000	45.8
	32 Chloroform	83	3.452	3.452	(0.769)	210740	50.0000	51.6
$	33 Dibromofluoromethane (S)	113	3.645	3.645	(0.812)	134107	50.0000	48.9
	34 1,1,1-Trichloroethane	97	3.674	3.674	(0.818)	179417	50.0000	49.8
	35 Cyclohexane	56	3.738	3.738	(0.833)	217424	50.0000	47.4
	145 isopropyl acetate	61	1.214	1.214	(0.270)	11631	125.000	122(QM)
	36 Carbon Tetrachloride	117	3.884	3.884	(0.865)	143814	50.0000	49.2
	37 1,1-Dichloropropene	75	3.889	3.889	(0.866)	169432	50.0000	51.7
	141 2,2,4-Trimethylpentane	57	4.251	4.251	(0.947)	358007	50.0000	49.8
	39 Benzene	78	4.146	4.146	(0.923)	500783	50.0000	49.4
	40 1,2-Dichloroethane	62	4.175	4.175	(0.930)	171035	50.0000	50.7
	38 Isobutyl alcohol	43	4.251	4.251	(0.947)	66272	250.000	258
*	41 Fluorobenzene	96	4.490	4.490	(1.000)	581385	50.0000	
	42 Trichloroethene	95	4.909	4.909	(1.093)	122967	50.0000	48.9
	43 Methylcyclohexane	55	5.119	5.119	(1.140)	170272	50.0000	49.1
	44 1,2-Dichloropropane	63	5.160	5.160	(1.149)	137645	50.0000	51.6
	45 Dibromomethane	93	5.288	5.288	(1.178)	71383	50.0000	49.2
	46 Methyl methacrylate	69	5.329	5.329	(1.187)	81161	50.0000	50.3
	47 Bromodichloromethane	83	5.469	5.469	(1.218)	161553	50.0000	47.7
	48 2-Chloroethyl vinyl ether	63	5.813	5.813	(0.789)	107801	100.000	99.2
	49 cis-1,3-Dichloropropene	75	5.941	5.941	(0.806)	205137	50.0000	51.3
	50 4-Methyl-2-Pentanone	43	6.122	6.122	(0.831)	592978	250.000	253
$	51 Toluene-d8	98	6.209	6.209	(0.843)	517940	50.0000	49.8
	52 Toluene	91	6.273	6.273	(0.851)	505762	50.0000	49.1
	53 trans-1,3-Dichloropropene	75	6.507	6.507	(0.883)	183422	50.0000	52.3
	54 Ethyl Methacrylate	69	6.606	6.606	(0.896)	147591	50.0000	51.6
	55 1,1,2-Trichloroethane	83	6.658	6.658	(0.904)	87303	50.0000	51.6
	56 Tetrachloroethene	166	6.763	6.763	(0.918)	166471	50.0000	61.0
	57 1,3-Dichloropropane	76	6.792	6.792	(0.922)	186609	50.0000	50.7
	58 2-Hexanone	43	6.880	6.880	(0.934)	397409	250.000	246
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	109432	50.0000	50.4
	60 1,2-Dibromoethane	107	7.043	7.043	(0.956)	105320	50.0000	49.9
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	407981	50.0000	
	62 Chlorobenzene	112	7.387	7.387	(1.002)	324453	50.0000	50.1
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	111690	50.0000	51.2
	64 Ethylbenzene	106	7.462	7.462	(1.013)	180881	50.0000	53.6
	65 m&p-Xylene	106	7.538	7.538	(1.023)	436745	100.000	110
	67 o-Xylene	106	7.777	7.777	(1.055)	219563	50.0000	55.2
	68 Styrene	104	7.789	7.789	(1.057)	379005	50.0000	49.7
	69 Bromoform	173	7.894	7.894	(0.911)	68604	50.0000	51.4
	70 Isopropylbenzene	105	7.987	7.987	(1.084)	555568	50.0000	50.1
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	205929	50.0000	49.0
	74 Bromobenzene	77	8.150	8.150	(1.106)	225736	50.0000	48.2
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	124495	50.0000	52.4
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	156381	50.0000	52.4
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	40402	50.0000	48.5
	76 n-Propylbenzene	91	8.208	8.208	(0.948)	640631	50.0000	50.2
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	388393	50.0000	50.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	427481	50.0000	48.0
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	128333	50.0000	51.0
80 tert-Butylbenzene	119	8.465	8.465	(0.977)	455120	50.0000	49.9
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	432302	50.0000	48.4
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	536252	50.0000	48.9
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	241504	50.0000	49.7
84 p-Isopropyltoluene	119	8.640	8.640	(0.997)	444350	50.0000	48.5
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	225028	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	247626	50.0000	48.8
87 n-Butylbenzene	91	8.832	8.832	(1.020)	403775	50.0000	47.0
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	225132	50.0000	49.9
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	20496	50.0000	49.8
90 1,2,4-Trichlorobenzene	180	9.561	9.561	(1.104)	152248	50.0000	53.5
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	72914	50.0000	50.6
92 Naphthalene	128	9.666	9.666	(1.116)	412934	50.0000	57.3
93 1,2,3-Trichlorobenzene	180	9.771	9.771	(1.128)	143216	50.0000	55.4
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	152172	50.0000	45.8

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a05cal.D
Lab Smp Id: 50ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 50ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	581385	0.00
61 Chlorobenzene-d5	407981	203991	815962	407981	0.00
85 1,4-Dichlorobenze	225028	112514	450056	225028	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.49	0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	50.1	
74-87-3	Chloromethane	46.8	
75-01-4	Vinyl Chloride	47.0	
74-83-9	Bromomethane	54.9	
75-00-3	Chloroethane	56.9	
75-69-4	Trichlorofluoromethane	51.6	
354-23-4	1,2-dichlorotrifluoroethane	53.6	
60-29-7	Diethyl ether	111	
75-65-0	2-methyl-2-propanol	106	
107-02-8	Acrolein	1100	
76-13-1	1,1,2trichlorotrifluoroethan	50.1	
75-35-4	1,1-Dichloroethene	52.8	
67-64-1	Acetone	254	
	Iodomethane	95.3	
75-15-0	Carbon Disulfide	96.7	
79-20-9	Methyl Acetate	50.9	
107-05-1	allyl chloride	112	
75-09-2	Methylene Chloride	50.1	
107-13-1	Acrylonitrile	1150	
1634-04-4	Methyl-tert-butyl ether	104	
156-60-5	1,2-Dichloroethene (trans)	50.6	
	n-Hexane	54.2	
75-34-3	1,1-Dichloroethane	51.2	
108-05-4	Vinyl Acetate	209	
156-59-2	1,2-Dichloroethene (cis)	49.2	
594-20-7	2,2-Dichloropropane	51.3	
78-93-3	2-Butanone	237	
126-98-7	Methacrylonitrile	264	
74-97-5	Bromochloromethane	51.5	
	Tetrahydrofuran	45.8	
67-66-3	Chloroform	51.6	
71-55-6	1,1,1-Trichloroethane	49.8	
110-82-7	Cyclohexane	47.4	
108-21-4	isopropyl acetate	122	
56-23-5	Carbon Tetrachloride	49.2	
563-58-6	1,1-Dichloropropene	51.7	
540-84-1	2,2,4-Trimethylpentane	49.8	
71-43-2	Benzene	49.4	
107-06-2	1,2-Dichloroethane	50.7	
78-83-1	Isobutyl alcohol	258	
79-01-6	Trichloroethene	48.9	
108-87-2	Methylcyclohexane	49.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	51.6	
74-95-3	Dibromomethane	49.2	
80-62-6	Methyl methacrylate	50.3	
75-27-4	Bromodichloromethane	47.7	
110-75-8	2-Chloroethyl vinyl ether	99.2	
10061-01-5	cis-1,3-Dichloropropene	51.3	
108-10-1	4-Methyl-2-Pentanone	253	
108-88-3	Toluene	49.1	
10061-02-6	trans-1,3-Dichloropropene	52.3	
	Ethyl Methacrylate	51.6	
79-00-5	1,1,2-Trichloroethane	51.6	
127-18-4	Tetrachloroethene	61.0	
142-28-9	1,3-Dichloropropane	50.7	
591-78-6	2-Hexanone	246	
124-48-1	Dibromochloromethane	50.4	
106-93-4	1,2-Dibromoethane	49.9	
108-90-7	Chlorobenzene	50.1	
630-20-6	1,1,1,2-Tetrachloroethane	51.2	
100-41-4	Ethylbenzene	53.6	
7816-60-0	m&p-Xylene	110	
95-47-6	o-Xylene	55.2	
100-42-5	Styrene	49.7	
75-25-2	Bromoform	51.4	
98-82-8	Isopropylbenzene	50.1	
108-86-1	Bromobenzene	48.2	
79-34-5	1,1,2,2-Tetrachloroethane	52.4	
96-18-4	1,2,3-Trichloropropane	52.4	
	trans-1,4-Dichloro-2-butene	48.5	
103-65-1	n-Propylbenzene	50.2	
95-49-8	2-Chlorotoluene	50.6	
108-67-8	1,3,5-Trimethylbenzene	48.0	
106-43-4	4-Chlorotoluene	51.0	
98-06-6	tert-Butylbenzene	49.9	
95-63-6	1,2,4-Trimethylbenzene	48.4	
135-98-8	sec-Butylbenzene	48.9	
541-73-1	1,3-Dichlorobenzene	49.7	
99-87-6	p-Isopropyltoluene	48.5	
106-46-7	1,4-Dichlorobenzene	48.8	
104-51-8	n-Butylbenzene	47.0	
95-50-1	1,2-Dichlorobenzene	49.9	
96-12-8	1,2-Dibromo-3-chloropropane	49.8	
120-82-1	1,2,4-Trichlorobenzene	53.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

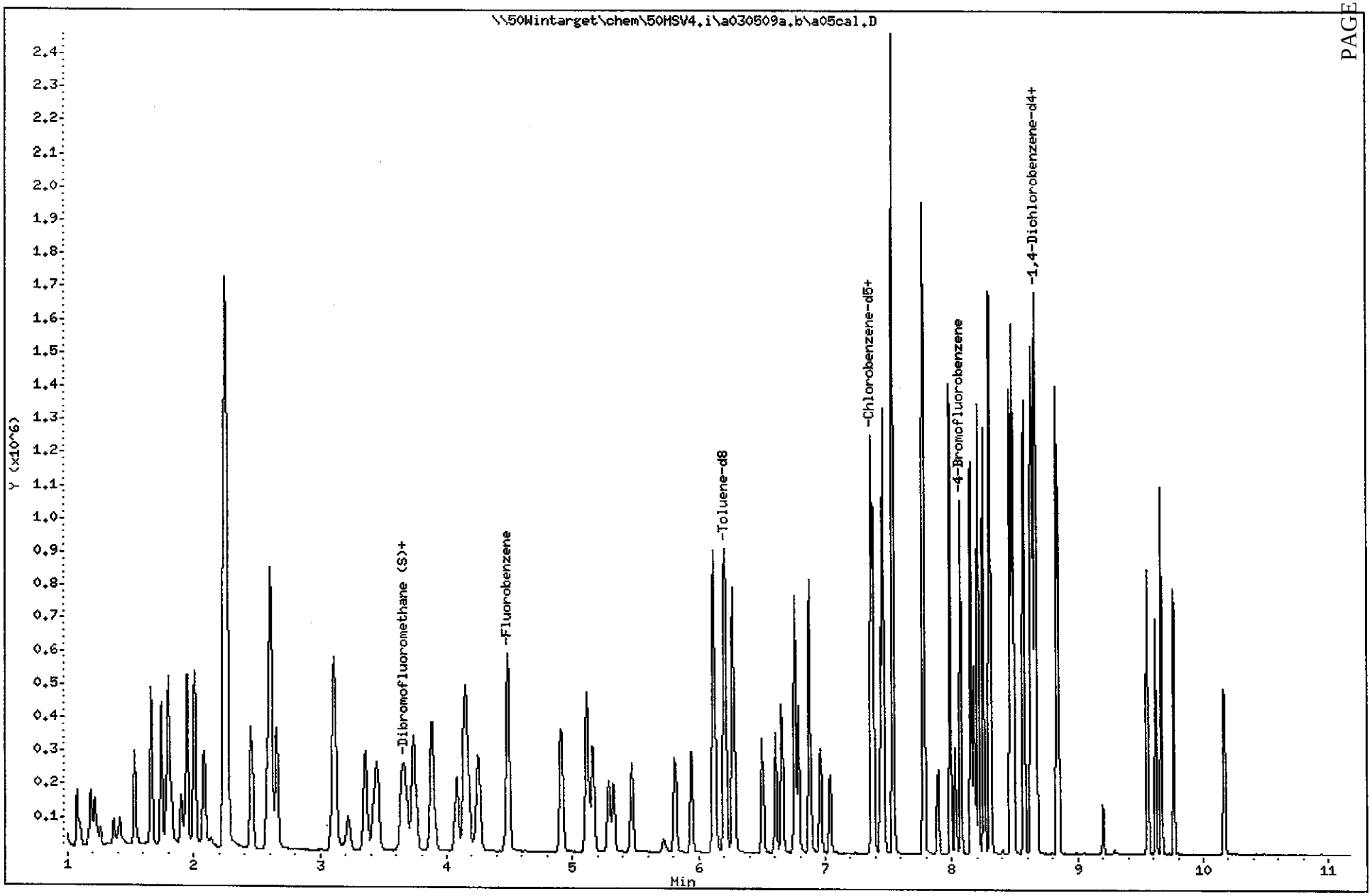
Client Name:
Lab Smp Id: 50ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 50ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	50.6	
91-20-3	Naphthalene	57.3	
87-61-6	1,2,3-Trichlorobenzene	55.4	
	2,methyl-naphthalene	45.8	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	49.8	
460-00-4	4-Bromofluorobenzene	49.0	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a05cal.D
Date : 05-MAR-2009 17:26
Client ID: 50ppb
Sample Info: 50ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a05cal.D

Date : 05-MAR-2009 17:26

Client ID: 50ppb

Instrument: 50MSV4.i

Sample Info: 50ppb

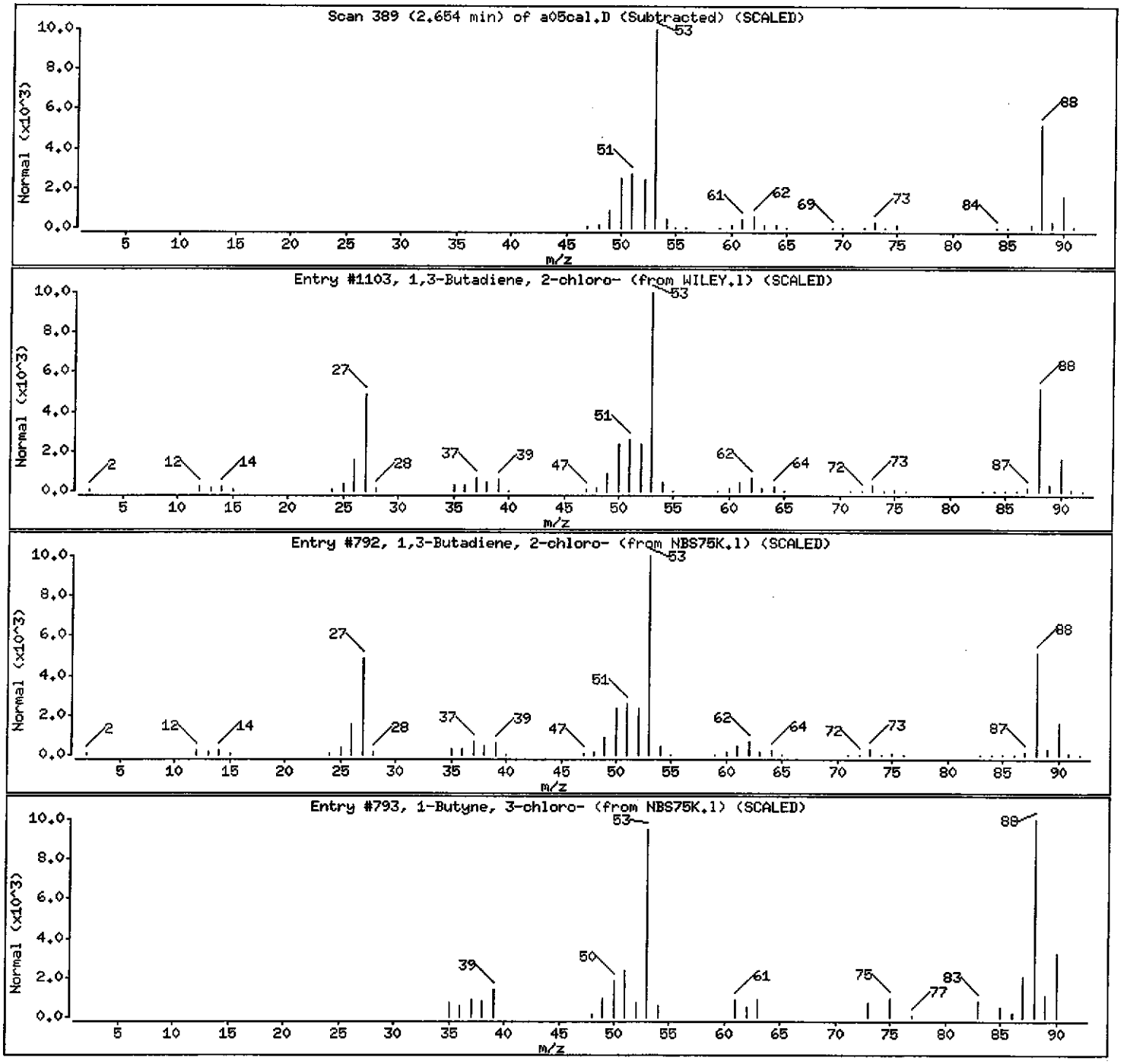
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Butadiene, 2-chloro-	126-99-8	WILEY.l	1103	95	C4H5Cl	88
1,3-Butadiene, 2-chloro-	126-99-8	NBS75K.l	792	95	C4H5Cl	88
1-Butyne, 3-chloro-	21020-24-6	NBS75K.l	793	64	C4H5Cl	88



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a05ccv.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 05-MAR-2009 17:26
Operator : slb Inst ID: 50MSV4.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 05-MAR-2009 18:56 Cal File: a08cal.D
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50VOA-ADR2

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	1.074	1.074	(0.239)	149268	50.0000	50.1
2 Chloromethane	50	1.179	1.179	(0.263)	147310	50.0000	46.8
3 Vinyl Chloride	62	1.214	1.214	(0.270)	137433	50.0000	47.0
4 Bromomethane	94	1.366	1.366	(0.304)	43757	50.0000	55.0
5 Chloroethane	64	1.412	1.412	(0.315)	60657	50.0000	55.8
6 Trichlorofluoromethane	101	1.535	1.535	(0.342)	156688	50.0000	51.6
7 1,2-dichlorotrifluoroethane	67	1.657	1.657	(0.369)	107307	50.0000	53.6
8 Diethyl ether	74	1.669	1.669	(0.372)	54572	100.000	111
18 2-methyl-2-propanol	59	1.669	1.669	(0.372)	81214	100.000	106
9 Acrolein	56	1.745	1.745	(0.389)	304406	1000.00	1100
10 1,1,2trichlorotrifluoroethane	101	1.791	1.791	(0.399)	84822	50.0000	50.1
11 1,1-Dichloroethene	96	1.803	1.803	(0.402)	83571	50.0000	52.8
12 Acetone	43	1.826	1.826	(0.407)	149555	250.000	254
13 Iodomethane	142	1.902	1.902	(0.424)	184365	100.000	96.0
14 Carbon Disulfide	76	1.949	1.949	(0.434)	500591	100.000	96.7
16 Methyl Acetate	43	1.826	1.826	(0.407)	149555	50.0000	50.9
15 allyl chloride	41	2.007	2.007	(0.447)	350053	100.000	112
17 Methylene Chloride	84	2.083	2.083	(0.464)	99619	50.0000	50.1
19 Acrylonitrile	53	2.240	2.240	(0.499)	978672	1000.00	1150
20 Methyl-tert-butyl ether	73	2.257	2.257	(0.503)	610123	100.000	104
21 1,2-Dichloroethene (trans)	96	2.263	2.263	(0.504)	108427	50.0000	50.6
22 n-Hexane	57	2.456	2.456	(0.547)	160910	50.0000	54.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 1,1-Dichloroethane	63	2.578	2.578	(0.574)	237392	50.0000	51.2
	24 Vinyl Acetate	43	2.607	2.607	(0.581)	1085341	200.000	209
	26 1,2-Dichloroethene (cis)	96	3.103	3.103	(0.691)	127543	50.0000	49.2
	27 2,2-Dichloropropane	77	3.108	3.108	(0.692)	155408	50.0000	51.3
	28 2-Butanone	43	3.120	3.120	(0.695)	305662	250.000	237
	30 Bromochloromethane	49	3.359	3.359	(0.748)	121562	50.0000	51.5
	31 Tetrahydrofuran	42	3.423	3.423	(0.762)	104573	50.0000	45.8
	32 Chloroform	83	3.452	3.452	(0.769)	210740	50.0000	51.6
$	33 Dibromofluoromethane (S)	113	3.645	3.645	(0.812)	134107	50.0000	48.9
	34 1,1,1-Trichloroethane	97	3.674	3.674	(0.818)	179417	50.0000	49.8
	35 Cyclohexane	56	3.738	3.738	(0.833)	217424	50.0000	47.4
	145 isopropyl acetate	61	1.214	1.214	(0.270)	11631	125.000	122
	36 Carbon Tetrachloride	117	3.884	3.884	(0.865)	143814	50.0000	49.2
	37 1,1-Dichloropropene	75	3.889	3.889	(0.866)	169432	50.0000	51.7
	141 2,2,4-Trimethylpentane	57	4.251	4.251	(0.947)	358007	50.0000	49.8
	39 Benzene	78	4.146	4.146	(0.923)	500783	50.0000	49.4
	40 1,2-Dichloroethane	62	4.175	4.175	(0.930)	171035	50.0000	50.7
	38 Isobutyl alcohol	43	4.251	4.251	(0.947)	66272	250.000	258
*	41 Fluorobenzene	96	4.490	4.490	(1.000)	581385	50.0000	
	42 Trichloroethene	95	4.909	4.909	(1.093)	122967	50.0000	48.9
	43 Methylcyclohexane	55	5.119	5.119	(1.140)	170272	50.0000	49.1
	44 1,2-Dichloropropane	63	5.160	5.160	(1.149)	137645	50.0000	51.6
	45 Dibromomethane	93	5.288	5.288	(1.178)	71383	50.0000	49.2
	46 Methyl methacrylate	69	5.329	5.329	(1.187)	81161	50.0000	50.3
	47 Bromodichloromethane	83	5.469	5.469	(1.218)	161553	50.0000	47.7
	48 2-Chloroethyl vinyl ether	63	5.813	5.813	(0.789)	107801	100.000	99.2
	49 cis-1,3-Dichloropropene	75	5.941	5.941	(0.806)	205137	50.0000	51.3
	50 4-Methyl-2-Pentanone	43	6.122	6.122	(0.831)	592978	250.000	253
$	51 Toluene-d8	98	6.209	6.209	(0.843)	517940	50.0000	49.8
	52 Toluene	91	6.273	6.273	(0.851)	505762	50.0000	49.1
	53 trans-1,3-Dichloropropene	75	6.507	6.507	(0.883)	183422	50.0000	52.3
	54 Ethyl Methacrylate	69	6.606	6.606	(0.896)	147591	50.0000	51.6
	55 1,1,2-Trichloroethane	83	6.658	6.658	(0.904)	87303	50.0000	51.6
	56 Tetrachloroethene	166	6.763	6.763	(0.918)	166471	50.0000	61.0
	57 1,3-Dichloropropane	76	6.792	6.792	(0.922)	186609	50.0000	50.7
	58 2-Hexanone	43	6.880	6.880	(0.934)	397409	250.000	246
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	109432	50.0000	50.4
	60 1,2-Dibromoethane	107	7.043	7.043	(0.956)	105320	50.0000	49.9
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	407981	50.0000	
	62 Chlorobenzene	112	7.387	7.387	(1.002)	324453	50.0000	50.1
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	111690	50.0000	51.2
	64 Ethylbenzene	106	7.462	7.462	(1.013)	180881	50.0000	53.6
	65 m&p-Xylene	106	7.538	7.538	(1.023)	436745	100.000	110
	67 o-Xylene	106	7.777	7.777	(1.055)	219563	50.0000	55.2
	68 Styrene	104	7.789	7.789	(1.057)	379005	50.0000	49.7
	69 Bromoform	173	7.894	7.894	(0.911)	68604	50.0000	51.4
	70 Isopropylbenzene	105	7.987	7.987	(1.084)	555568	50.0000	50.1
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	205929	50.0000	49.0
	74 Bromobenzene	77	8.150	8.150	(1.106)	225736	50.0000	48.2
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	124495	50.0000	52.4
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	156381	50.0000	52.4
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	40402	50.0000	48.5
	76 n-Propylbenzene	91	8.208	8.208	(0.948)	640631	50.0000	50.2
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	388393	50.0000	50.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	427481	50.0000	48.0
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	128333	50.0000	51.0
80 tert-Butylbenzene	119	8.465	8.465	(0.977)	455120	50.0000	49.9
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	432302	50.0000	48.4
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	536252	50.0000	48.9
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	241504	50.0000	49.7
84 p-Isopropyltoluene	119	8.640	8.640	(0.997)	444350	50.0000	48.5
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	225028	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	247626	50.0000	48.8
87 n-Butylbenzene	91	8.832	8.832	(1.020)	403775	50.0000	47.0
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	225132	50.0000	49.9
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	20496	50.0000	49.8
90 1,2,4-Trichlorobenzene	180	9.561	9.561	(1.104)	152248	50.0000	53.5
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	72914	50.0000	50.6
92 Naphthalene	128	9.666	9.666	(1.116)	412934	50.0000	57.3
93 1,2,3-Trichlorobenzene	180	9.771	9.771	(1.128)	143216	50.0000	55.4
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	152172	50.0000	45.8

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a05ccv.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 21:25
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	581385	0.00
61 Chlorobenzene-d5	407981	203991	815962	407981	0.00
85 1,4-Dichlorobenze	225028	112514	450056	225028	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.49	0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i
Lab File ID: a05ccv.D
Analysis Type: WATER
Lab Sample ID: ccv
Method: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m

Injection Date: 05-MAR-2009 17:26
Init. Cal. Date(s): 05-MAR-2009 05-MAR-2009
Init. Cal. Times: 15:26 18:56
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 Dichlorodifluoromethane	0.25630	0.25675	0.25675	0.100	0.17491	20.00000	Averaged
2 Chloromethane	50.00000	46.80053	0.25338	0.100	-6.39894	0.000e+000	Linear
3 Vinyl Chloride	0.25152	0.23639	0.23639	0.100	-6.01425	20.00000	Averaged
4 Bromomethane	50.00000	54.98567	0.07526	0.100	9.97134	0.000e+000	Linear
5 Chloroethane	50.00000	55.84966	0.10433	0.100	11.69932	0.000e+000	Linear
6 Trichlorofluoromethane	0.26123	0.26951	0.26951	0.100	3.16989	20.00000	Averaged
7 1,2-dichlorotrifluoroethane	50.00000	53.59449	0.18457	0.100	7.18898	0.000e+000	Linear
8 Diethyl ether	100	111	0.04693	0.100	10.82106	0.000e+000	Linear
18 2-methyl-2-propanol	0.06562	0.06985	0.06985	0.100	6.43980	20.00000	Averaged
9 Acrolein	1000	1100	0.02618	0.100	10.02378	0.000e+000	Linear
10 1,1,2trichlorotrifluoroetha	0.14570	0.14590	0.14590	0.100	0.13743	20.00000	Averaged
11 1,1-Dichloroethene	50.00000	52.75236	0.14374	0.100	5.50472	0.000e+000	Linear
12 Acetone	250	254	0.05145	0.100	1.68297	0.000e+000	Linear
143 Acetonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged <-
13 Iodomethane	100	95.97269	0.15856	0.100	-4.02731	0.000e+000	Linear
14 Carbon Disulfide	0.44528	0.43052	0.43052	0.100	-3.31508	20.00000	Averaged
16 Methyl Acetate	50.00000	50.89908	0.25724	0.100	1.79816	0.000e+000	Linear
15 allyl chloride	100	112	0.30105	0.100	12.03934	0.000e+000	Linear
17 Methylene Chloride	50.00000	50.10097	0.17135	0.100	0.20195	0.000e+000	Linear
19 Acrylonitrile	1000	1152	0.08417	0.100	15.15374	0.000e+000	Linear
20 Methyl-tert-butyl ether	0.50293	0.52472	0.52472	0.100	4.33232	20.00000	Averaged
21 1,2-Dichloroethene (trans)	0.18434	0.18650	0.18650	0.100	1.17279	20.00000	Averaged
22 n-Hexane	50.00000	54.13644	0.27677	0.100	8.27287	0.000e+000	Linear
147 chloroprene	++++	++++	++++	0.100	++++	20.00000	Averaged <-
23 1,1-Dichloroethane	0.39900	0.40832	0.40832	0.100	2.33590	20.00000	Averaged
24 Vinyl Acetate	0.44731	0.46670	0.46670	0.100	4.33614	20.00000	Averaged
26 1,2-Dichloroethene (cis)	0.22292	0.21938	0.21938	0.100	-1.58750	20.00000	Averaged
27 2,2-Dichloropropane	50.00000	51.34856	0.26731	0.100	2.69713	0.000e+000	Linear
28 2-Butanone	0.11097	0.10515	0.10515	0.100	-5.24495	20.00000	Averaged
144 Methacrylonitrile	0.03282	++++	++++	0.100	++++	20.00000	Averaged <-
30 Bromochloromethane	0.20305	0.20909	0.20909	0.100	2.97239	20.00000	Averaged
31 Tetrahydrofuran	50.00000	45.83110	0.17987	0.100	-8.33780	0.000e+000	Linear
32 Chloroform	50.00000	51.59250	0.36248	0.100	3.18500	0.000e+000	Linear
$ 33 Dibromofluoromethane (S)	0.23595	0.23067	0.23067	0.100	-2.24011	20.00000	Averaged
34 1,1,1-Trichloroethane	0.30951	0.30860	0.30860	0.100	-0.29230	20.00000	Averaged
35 Cyclohexane	0.39464	0.37398	0.37398	0.100	-5.23634	20.00000	Averaged
145 isopropyl acetate	0.00821	0.00800	0.00800	0.100	-2.53947	20.00000	Averaged
36 Carbon Tetrachloride	0.25131	0.24736	0.24736	0.100	-1.57026	20.00000	Averaged
37 1,1-Dichloropropene	0.28184	0.29143	0.29143	0.100	3.40146	20.00000	Averaged
141 2,2,4-Trimethylpentane	0.61865	0.61578	0.61578	0.100	-0.46413	20.00000	Averaged
39 Benzene	0.87237	0.86136	0.86136	0.100	-1.26154	20.00000	Averaged
40 1,2-Dichloroethane	0.29023	0.29419	0.29419	0.100	1.36368	20.00000	Averaged

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 05-MAR-2009 17:26
Lab File ID: a05ccv.D Init. Cal. Date(s): 05-MAR-2009 05-MAR-2009
Analysis Type: WATER Init. Cal. Times: 15:26 18:56
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	250	258	0.02280	0.100	3.05764	0.000e+000	Linear	
42 Trichloroethene	0.21609	0.21151	0.21151	0.100	-2.12274	20.00000	Averaged	
43 Methylcyclohexane	0.29813	0.29287	0.29287	0.100	-1.76472	20.00000	Averaged	
142 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
44 1,2-Dichloropropane	0.22927	0.23675	0.23675	0.100	3.26632	20.00000	Averaged	
45 Dibromomethane	0.12477	0.12278	0.12278	0.100	-1.59424	20.00000	Averaged	
46 Methyl methacrylate	50.00000	50.26171	0.13960	0.100	0.52343	0.000e+000	Linear	
47 Bromodichloromethane	0.29143	0.27788	0.27788	0.100	-4.64971	20.00000	Averaged	
48 2-Chloroethyl vinyl ether	0.13314	0.13212	0.13212	0.100	-0.77174	20.00000	Averaged	
49 cis-1,3-Dichloropropene	0.48971	0.50281	0.50281	0.100	2.67575	20.00000	Averaged	
50 4-Methyl-2-Pentanone	0.28727	0.29069	0.29069	0.100	1.18896	20.00000	Averaged	
$ 51 Toluene-d8	1.27498	1.26952	1.26952	0.100	-0.42839	20.00000	Averaged	
52 Toluene	1.26124	1.23967	1.23967	0.100	-1.70981	20.00000	Averaged	
53 trans-1,3-Dichloropropene	0.42985	0.44958	0.44958	0.100	4.59001	20.00000	Averaged	
54 Ethyl Methacrylate	50.00000	51.61684	0.36176	0.100	3.23368	0.000e+000	Linear	
55 1,1,2-Trichloroethane	50.00000	51.60031	0.21399	0.100	3.20063	0.000e+000	Linear	
56 Tetrachloroethene	50.00000	61.04345	0.40804	0.100	22.08689	0.000e+000	Quadratic	
57 1,3-Dichloropropane	0.45097	0.45740	0.45740	0.100	1.42440	20.00000	Averaged	
58 2-Hexanone	0.19764	0.19482	0.19482	0.100	-1.42681	20.00000	Averaged	
59 Dibromochloromethane	0.26584	0.26823	0.26823	0.100	0.89905	20.00000	Averaged	
60 1,2-Dibromoethane	0.25887	0.25815	0.25815	0.100	-0.27736	20.00000	Averaged	
62 Chlorobenzene	0.79308	0.79526	0.79526	0.100	0.27573	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	0.26730	0.27376	0.27376	0.100	2.41717	20.00000	Averaged	
64 Ethylbenzene	50.00000	53.59862	0.44336	0.100	7.19725	0.000e+000	Linear	
65 m&p-Xylene	100	110	0.53525	0.100	9.56103	0.000e+000	Linear	
67 o-Xylene	50.00000	55.18749	0.53817	0.100	10.37498	0.000e+000	Linear	
68 Styrene	0.93453	0.92898	0.92898	0.100	-0.59436	20.00000	Averaged	
69 Bromoform	0.29676	0.30487	0.30487	0.100	2.73209	20.00000	Averaged	
70 Isopropylbenzene	1.35973	1.36175	1.36175	0.100	0.14860	20.00000	Averaged	
$ 72 4-Bromofluorobenzene	0.51551	0.50475	0.50475	0.100	-2.08788	20.00000	Averaged	
74 Bromobenzene	0.57348	0.55330	0.55330	0.100	-3.51835	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	50.00000	52.36037	0.55324	0.100	4.72073	0.000e+000	Linear	
75 1,2,3-Trichloropropane	0.66268	0.69494	0.69494	0.100	4.86858	20.00000	Averaged	
71 trans-1,4-Dichloro-2-butene	50.00000	48.50020	0.09903	0.100	-2.99961	0.000e+000	Linear	
76 n-Propylbenzene	2.83481	2.84689	2.84689	0.100	0.42631	20.00000	Averaged	
77 2-Chlorotoluene	1.70688	1.72598	1.72598	0.100	1.11888	20.00000	Averaged	
78 1,3,5-Trimethylbenzene	1.97832	1.89968	1.89968	0.100	-3.97516	20.00000	Averaged	
79 4-Chlorotoluene	0.55957	0.57030	0.57030	0.100	1.91652	20.00000	Averaged	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert-Butylbenzene	2.02781	2.02250	2.02250	0.100	-0.26187	20.00000	Averaged	
81 1,2,4-Trimethylbenzene	1.98561	1.92110	1.92110	0.100	-3.24870	20.00000	Averaged	
82 sec-Butylbenzene	2.43643	2.38305	2.38305	0.100	-2.19106	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

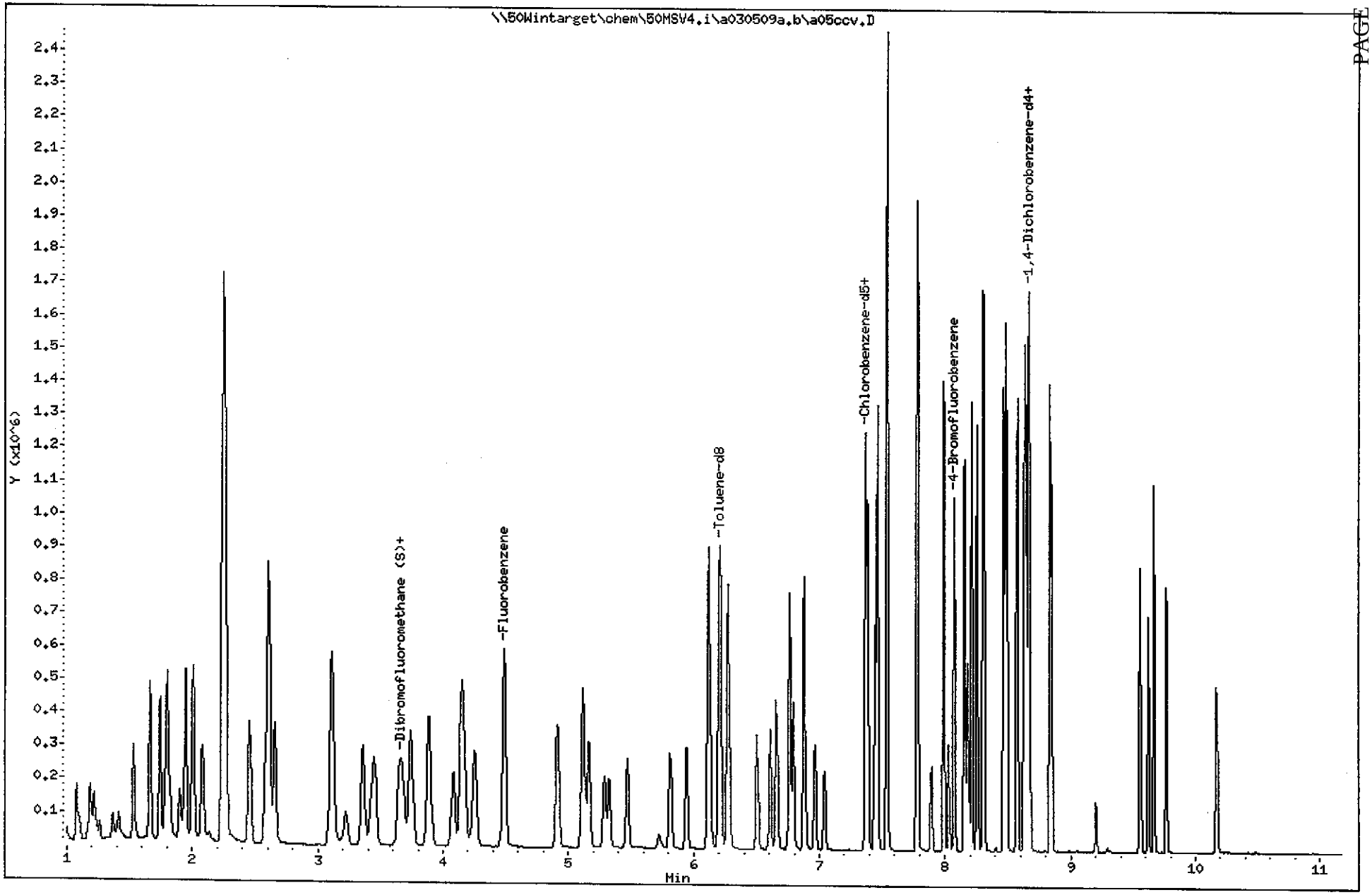
Instrument ID: 50MSV4.i Injection Date: 05-MAR-2009 17:26
Lab File ID: a05ccv.D Init. Cal. Date(s): 05-MAR-2009 05-MAR-2009
Analysis Type: WATER Init. Cal. Times: 15:26 18:56
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
83 1,3-Dichlorobenzene	1.08045	1.07322	1.07322	0.100	-0.66978	20.00000	Averaged
84 p-Isopropyltoluene	2.03586	1.97464	1.97464	0.100	-3.00677	20.00000	Averaged
86 1,4-Dichlorobenzene	1.12863	1.10042	1.10042	0.100	-2.49930	20.00000	Averaged
87 n-Butylbenzene	1.90744	1.79433	1.79433	0.100	-5.92962	20.00000	Averaged
88 1,2-Dichlorobenzene	1.00281	1.00046	1.00046	0.100	-0.23394	20.00000	Averaged
89 1,2-Dibromo-3-chloropropane	0.09147	0.09108	0.09108	0.100	-0.42261	20.00000	Averaged
90 1,2,4-Trichlorobenzene	0.63226	0.67657	0.67657	0.100	7.00941	20.00000	Averaged
91 Hexachlorobutadiene	50.00000	50.64514	0.32402	0.100	1.29028	0.000e+000	Linear
92 Naphthalene	1.60078	1.83503	1.83503	0.100	14.63364	20.00000	Averaged
93 1,2,3-Trichlorobenzene	0.57473	0.63644	0.63644	0.100	10.73681	20.00000	Averaged
94 2,methyl-naphthalene	50.00000	45.76395	0.67624	0.100	-8.47210	0.000e+000	Linear

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a05ccv.D
Date : 05-MAR-2009 17:26
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a06cal.D
Lab Smp Id: 100ppb Client Smp ID: 100ppb
Inj Date : 05-MAR-2009 17:56
Operator : slb Inst ID: 50MSV4.i
Smp Info : 100ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 13 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)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	1.074	1.074	(0.239)	295291	100.000	95.5
2 Chloromethane	50	1.179	1.179	(0.262)	305455	100.000	91.0
3 Vinyl Chloride	62	1.214	1.214	(0.270)	282086	100.000	93.0
4 Bromomethane	94	1.360	1.366	(0.302)	77021	100.000	96.6
5 Chloroethane	64	1.412	1.412	(0.314)	105435	100.000	95.7
6 Trichlorofluoromethane	101	1.534	1.535	(0.341)	311923	100.000	99.0
7 1,2-dichlorotrifluoroethane	67	1.663	1.657	(0.369)	219326	100.000	109
8 Diethyl ether	74	1.669	1.669	(0.371)	108462	200.000	220
18 2-methyl-2-propanol	59	1.669	1.669	(0.371)	161758	200.000	204
9 Acrolein	56	1.744	1.745	(0.388)	622716	2000.00	2260
10 1,1,2trichlorotrifluoroethane	101	1.797	1.791	(0.399)	168176	100.000	95.7
11 1,1-Dichloroethene	96	1.808	1.803	(0.402)	169553	100.000	105
12 Acetone	43	1.832	1.826	(0.407)	305420	500.000	523
13 Iodomethane	142	1.907	1.902	(0.424)	431059	200.000	215
14 Carbon Disulfide	76	1.948	1.949	(0.433)	1031581	200.000	192
16 Methyl Acetate	43	1.832	1.826	(0.407)	305420	100.000	105
15 allyl chloride	41	2.012	2.007	(0.447)	665727	200.000	214
17 Methylene Chloride	84	2.088	2.083	(0.464)	208622	100.000	102
19 Acrylonitrile	53	2.251	2.240	(0.500)	1899787	2000.00	2250
20 Methyl-tert-butyl ether	73	2.269	2.257	(0.504)	1234011	200.000	203
21 1,2-Dichloroethene (trans)	96	2.269	2.263	(0.504)	218740	100.000	98.4
22 n-Hexane	57	2.467	2.456	(0.548)	322361	100.000	107
23 1,1-Dichloroethane	63	2.589	2.578	(0.575)	468682	100.000	97.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.619	2.607	(0.582)	2374551	400.000	440
	26 1,2-Dichloroethene (cis)	96	3.120	3.103	(0.693)	260975	100.000	97.0
	27 2,2-Dichloropropane	77	3.120	3.108	(0.693)	325023	100.000	105
	28 2-Butanone	43	3.137	3.120	(0.697)	625715	500.000	467
	144 Methacrylonitrile	41	3.120	3.120	(0.693)	208496	500.000	527(M)
	30 Bromochloromethane	49	3.376	3.359	(0.750)	245017	100.000	100
	31 Tetrahydrofuran	42	3.435	3.423	(0.763)	148794	100.000	99.1
	32 Chloroform	83	3.464	3.452	(0.770)	431308	100.000	103
$	33 Dibromofluoromethane (S)	113	3.656	3.645	(0.812)	139076	50.0000	48.9
	34 1,1,1-Trichloroethane	97	3.691	3.674	(0.820)	371822	100.000	99.6
	35 Cyclohexane	56	3.755	3.738	(0.834)	450865	100.000	94.7
	145 isopropyl acetate	61	1.214	1.214	(0.270)	24018	250.000	242
	36 Carbon Tetrachloride	117	3.895	3.884	(0.865)	301105	100.000	99.3
	37 1,1-Dichloropropene	75	3.901	3.889	(0.867)	349499	100.000	103
	141 2,2,4-Trimethylpentane	57	4.262	4.251	(0.947)	735845	100.000	98.6
	39 Benzene	78	4.157	4.146	(0.924)	1027096	100.000	97.6
	40 1,2-Dichloroethane	62	4.186	4.175	(0.930)	347771	100.000	99.3
	38 Isobutyl alcohol	43	4.262	4.251	(0.947)	135497	500.000	522
*	41 Fluorobenzene	96	4.501	4.490	(1.000)	603109	50.0000	
	42 Trichloroethene	95	4.921	4.909	(1.093)	255031	100.000	97.8
	43 Methylcyclohexane	55	5.125	5.119	(1.139)	348034	100.000	96.8
	44 1,2-Dichloropropane	63	5.172	5.160	(1.149)	278217	100.000	101
	45 Dibromomethane	93	5.294	5.288	(1.176)	148264	100.000	98.5
	46 Methyl methacrylate	69	5.335	5.329	(1.185)	170607	100.000	103
	47 Bromodichloromethane	83	5.480	5.469	(1.218)	339568	100.000	96.6
	48 2-Chloroethyl vinyl ether	63	5.824	5.813	(0.790)	235297	200.000	207
	49 cis-1,3-Dichloropropene	75	5.953	5.941	(0.808)	426909	100.000	102
	50 4-Methyl-2-Pentanone	43	6.127	6.122	(0.832)	1211761	500.000	494
$	51 Toluene-d8	98	6.215	6.209	(0.843)	547603	50.0000	50.3
	52 Toluene	91	6.279	6.273	(0.852)	1055289	100.000	98.1
	53 trans-1,3-Dichloropropene	75	6.512	6.507	(0.884)	380171	100.000	104
	54 Ethyl Methacrylate	69	6.611	6.606	(0.897)	306155	100.000	104
	55 1,1,2-Trichloroethane	83	6.664	6.658	(0.904)	179498	100.000	103
	56 Tetrachloroethene	166	6.769	6.763	(0.919)	273781	100.000	91.9
	57 1,3-Dichloropropane	76	6.798	6.792	(0.922)	384125	100.000	99.8
	58 2-Hexanone	43	6.885	6.880	(0.934)	805032	500.000	477
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	235731	100.000	104
	60 1,2-Dibromoethane	107	7.043	7.043	(0.956)	220054	100.000	99.6
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	426536	50.0000	
	62 Chlorobenzene	112	7.386	7.387	(1.002)	660715	100.000	97.6
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	235491	100.000	103
	64 Ethylbenzene	106	7.468	7.462	(1.013)	363004	100.000	105
	65 m&p-Xylene	106	7.544	7.538	(1.024)	881257	200.000	219
	67 o-Xylene	106	7.783	7.777	(1.056)	436093	100.000	108
	68 Styrene	104	7.789	7.789	(1.057)	760157	100.000	95.4
	69 Bromoform	173	7.894	7.894	(0.911)	150626	100.000	106
	70 Isopropylbenzene	105	7.993	7.987	(1.085)	1129467	100.000	97.4
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	214525	50.0000	48.8
	74 Bromobenzene	77	8.156	8.150	(1.107)	454891	100.000	93.0
	73 1,1,2,2-Tetrachloroethane	83	8.162	8.156	(0.942)	263470	100.000	107
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	326891	100.000	104
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	85967	100.000	98.3
	76 n-Propylbenzene	91	8.214	8.208	(0.948)	1313991	100.000	97.3
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	796955	100.000	98.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	884170	100.000	93.8
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	262114	100.000	98.3
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	963855	100.000	99.8
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	901000	100.000	95.3
82 sec-Butylbenzene	105	8.575	8.576	(0.990)	1118252	100.000	96.4
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	493817	100.000	96.0
84 p-Isopropyltoluene	119	8.645	8.640	(0.998)	918851	100.000	94.8
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	238148	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	513032	100.000	95.4
87 n-Butylbenzene	91	8.838	8.832	(1.020)	841220	100.000	92.6
88 1,2-Dichlorobenzene	146	8.849	8.850	(1.022)	459494	100.000	96.2
89 1,2-Dibromo-3-chloropropane	155	9.205	9.199	(1.063)	44041	100.000	101
90 1,2,4-Trichlorobenzene	180	9.560	9.561	(1.104)	316216	100.000	105
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	154095	100.000	103
92 Naphthalene	128	9.665	9.666	(1.116)	856039	100.000	112
93 1,2,3-Trichlorobenzene	180	9.770	9.771	(1.128)	296392	100.000	108
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	389688	100.000	99.7

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a06cal.D
Lab Smp Id: 100ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 100ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	603109	3.74
61 Chlorobenzene-d5	407981	203991	815962	426536	4.55
85 1,4-Dichlorobenze	225028	112514	450056	238148	5.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.50	0.25
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	95.5	
74-87-3	Chloromethane	91.0	
75-01-4	Vinyl Chloride	93.0	
74-83-9	Bromomethane	96.6	
75-00-3	Chloroethane	95.7	
75-69-4	Trichlorofluoromethane	99.0	
354-23-4	1,2-dichlorotrifluoroethane	109	
60-29-7	Diethyl ether	220	
75-65-0	2-methyl-2-propanol	204	
107-02-8	Acrolein	2260	
76-13-1	1,1,2trichlorotrifluoroethan	95.7	
75-35-4	1,1-Dichloroethene	105	
67-64-1	Acetone	523	
	Iodomethane	215	
75-15-0	Carbon Disulfide	192	
79-20-9	Methyl Acetate	105	
107-05-1	allyl chloride	214	
75-09-2	Methylene Chloride	102	
107-13-1	Acrylonitrile	2250	
1634-04-4	Methyl-tert-butyl ether	203	
156-60-5	1,2-Dichloroethene (trans)	98.4	
	n-Hexane	107	
75-34-3	1,1-Dichloroethane	97.4	
108-05-4	Vinyl Acetate	440	
156-59-2	1,2-Dichloroethene (cis)	97.0	
594-20-7	2,2-Dichloropropane	105	
78-93-3	2-Butanone	467	
126-98-7	Methacrylonitrile	527	
74-97-5	Bromochloromethane	100	
	Tetrahydrofuran	99.1	
67-66-3	Chloroform	103	
71-55-6	1,1,1-Trichloroethane	99.6	
110-82-7	Cyclohexane	94.7	
108-21-4	isopropyl acetate	242	
56-23-5	Carbon Tetrachloride	99.3	
563-58-6	1,1-Dichloropropene	103	
540-84-1	2,2,4-Trimethylpentane	98.6	
71-43-2	Benzene	97.6	
107-06-2	1,2-Dichloroethane	99.3	
78-83-1	Isobutyl alcohol	522	
79-01-6	Trichloroethene	97.8	
108-87-2	Methylcyclohexane	96.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	101	
74-95-3	Dibromomethane	98.5	
80-62-6	Methyl methacrylate	103	
75-27-4	Bromodichloromethane	96.6	
110-75-8	2-Chloroethyl vinyl ether	207	
10061-01-5	cis-1,3-Dichloropropene	102	
108-10-1	4-Methyl-2-Pentanone	494	
108-88-3	Toluene	98.1	
10061-02-6	trans-1,3-Dichloropropene	104	
	Ethyl Methacrylate	104	
79-00-5	1,1,2-Trichloroethane	103	
127-18-4	Tetrachloroethene	91.9	
142-28-9	1,3-Dichloropropane	99.8	
591-78-6	2-Hexanone	477	
124-48-1	Dibromochloromethane	104	
106-93-4	1,2-Dibromoethane	99.6	
108-90-7	Chlorobenzene	97.6	
630-20-6	1,1,1,2-Tetrachloroethane	103	
100-41-4	Ethylbenzene	105	
7816-60-0	m&p-Xylene	219	
95-47-6	o-Xylene	108	
100-42-5	Styrene	95.4	
75-25-2	Bromoform	106	
98-82-8	Isopropylbenzene	97.4	
108-86-1	Bromobenzene	93.0	
79-34-5	1,1,2,2-Tetrachloroethane	107	
96-18-4	1,2,3-Trichloropropane	104	
	trans-1,4-Dichloro-2-butene	98.3	
103-65-1	n-Propylbenzene	97.3	
95-49-8	2-Chlorotoluene	98.0	
108-67-8	1,3,5-Trimethylbenzene	93.8	
106-43-4	4-Chlorotoluene	98.3	
98-06-6	tert-Butylbenzene	99.8	
95-63-6	1,2,4-Trimethylbenzene	95.3	
135-98-8	sec-Butylbenzene	96.4	
541-73-1	1,3-Dichlorobenzene	96.0	
99-87-6	p-Isopropyltoluene	94.8	
106-46-7	1,4-Dichlorobenzene	95.4	
104-51-8	n-Butylbenzene	92.6	
95-50-1	1,2-Dichlorobenzene	96.2	
96-12-8	1,2-Dibromo-3-chloropropane	101	
120-82-1	1,2,4-Trichlorobenzene	105	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

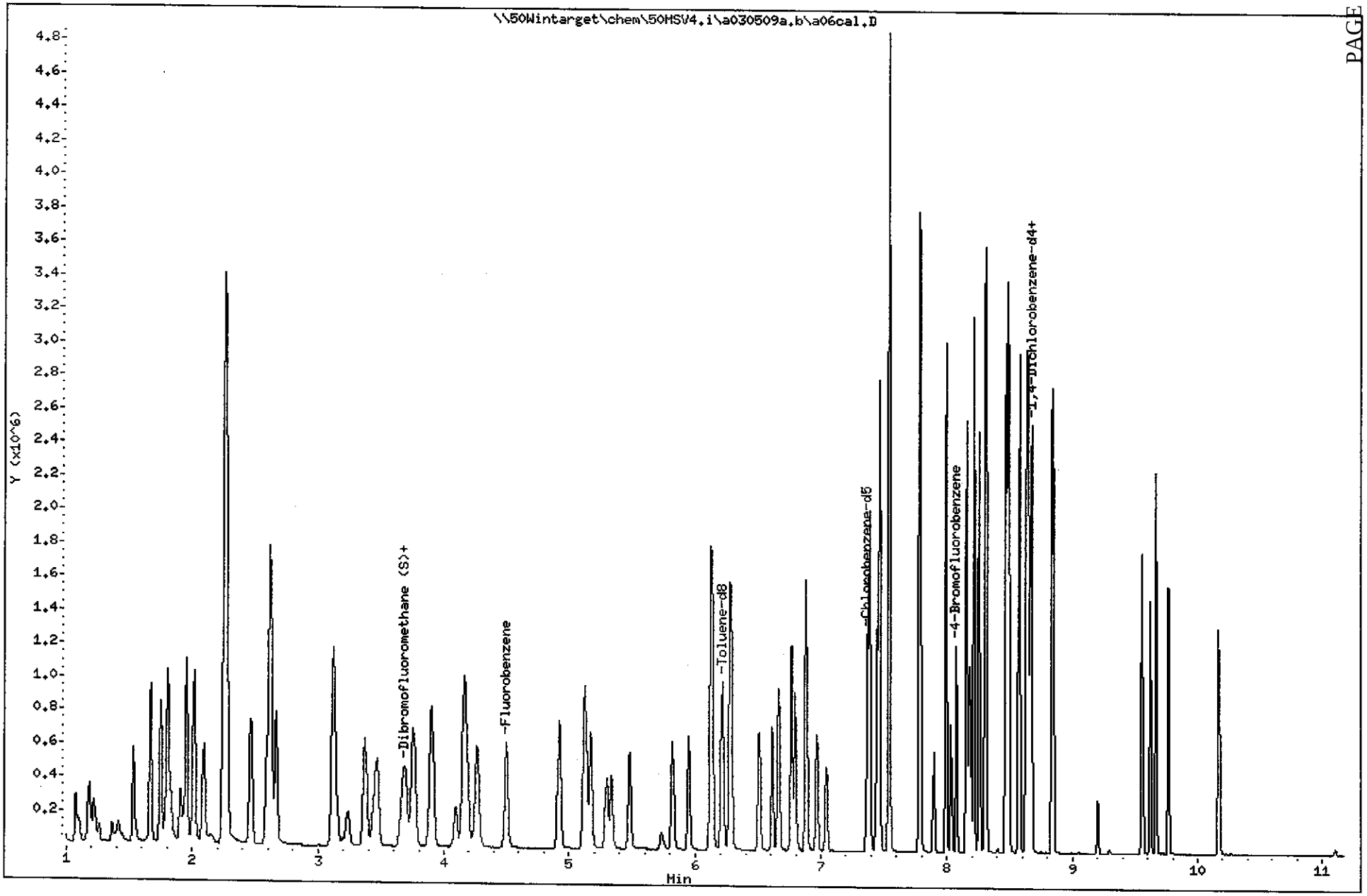
Client SDG: a030509a.b
Client Smp ID: 100ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	103	
91-20-3	Naphthalene	112	
87-61-6	1,2,3-Trichlorobenzene	108	
	2,methyl-naphthalene	99.7	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	50.3	
460-00-4	4-Bromofluorobenzene	48.8	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a06cal.D
Date : 05-MAR-2009 17:56
Client ID: 100ppb
Sample Info: 100ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a06cal.D

Date : 05-MAR-2009 17:56

Client ID: 100ppb

Instrument: 50MSV4.i

Sample Info: 100ppb

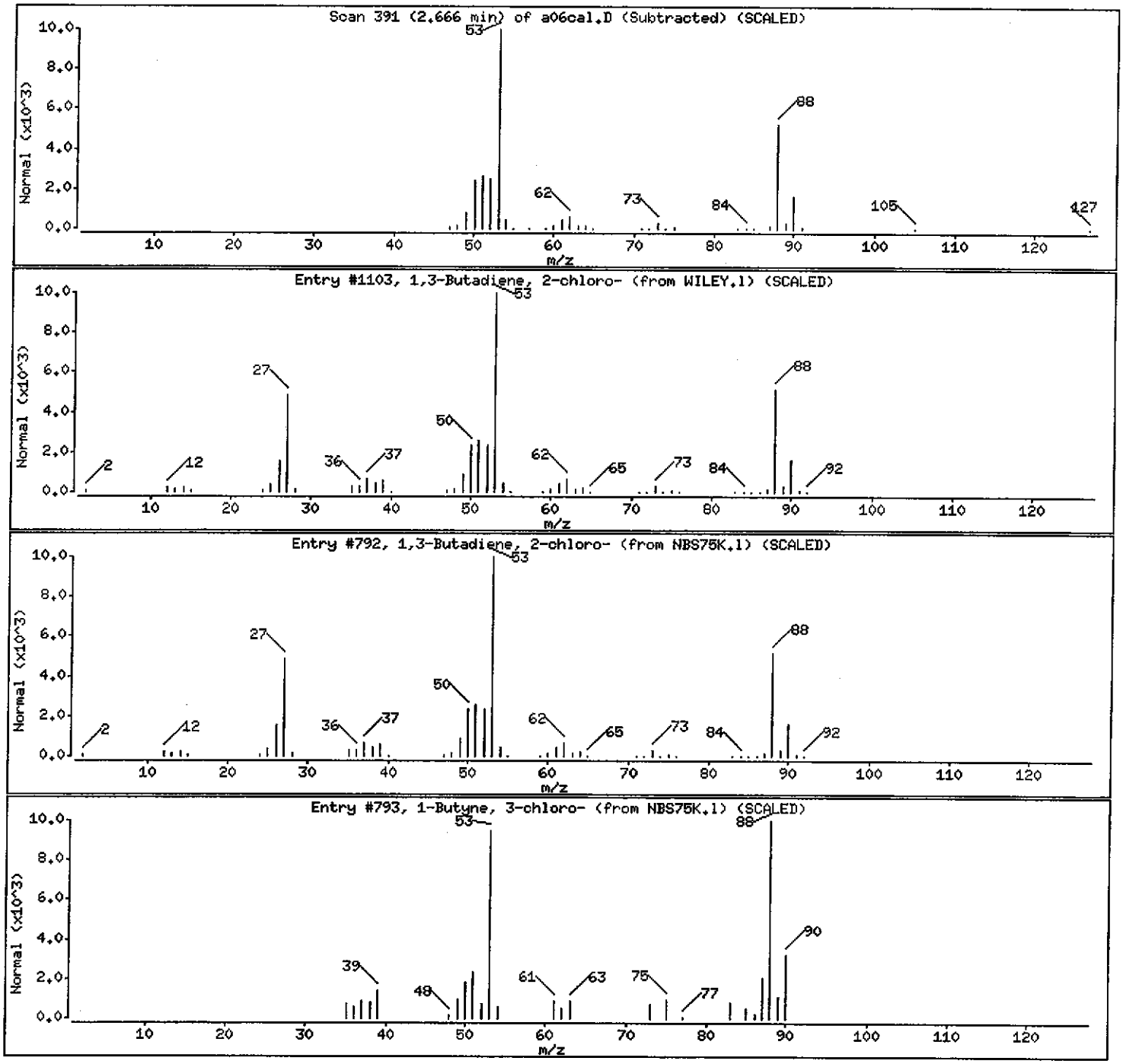
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Butadiene, 2-chloro-	126-99-8	WILEY.l	1103	95	C4H5Cl	88
1,3-Butadiene, 2-chloro-	126-99-8	NBS75K.l	792	95	C4H5Cl	88
1-Butyne, 3-chloro-	21020-24-6	NBS75K.l	793	64	C4H5Cl	88



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a07cal.D
Lab Smp Id: 200ppb Client Smp ID: 200ppb
Inj Date : 05-MAR-2009 18:26
Operator : slb Inst ID: 50MSV4.i
Smp Info : 200ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 15 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	1.068	1.074	(0.238)	579772	200.000	186
2 Chloromethane	50	1.173	1.179	(0.261)	664872	200.000	194
3 Vinyl Chloride	62	1.226	1.214	(0.273)	574494	200.000	188
4 Bromomethane	94	1.354	1.366	(0.301)	116558	200.000	147
5 Chloroethane	64	1.401	1.412	(0.312)	162404	200.000	148
6 Trichlorofluoromethane	101	1.529	1.535	(0.340)	568699	200.000	179
7 1,2-dichlorotrifluoroethane	67	1.657	1.657	(0.369)	403822	200.000	202
8 Diethyl ether	74	1.669	1.669	(0.371)	201568	400.000	412
18 2-methyl-2-propanol	59	1.669	1.669	(0.371)	297315	400.000	373
9 Acrolein	56	1.744	1.745	(0.388)	1092051	4000.00	4000
10 1,1,2trichlorotrifluoroethane	101	1.785	1.791	(0.397)	324809	200.000	183
11 1,1-Dichloroethene	96	1.803	1.803	(0.401)	324635	200.000	202
12 Acetone	43	1.826	1.826	(0.406)	595540	1000.00	1030
13 Iodomethane	142	1.902	1.902	(0.423)	861736	400.000	425
14 Carbon Disulfide	76	1.943	1.949	(0.432)	1994564	400.000	369
16 Methyl Acetate	43	1.826	1.826	(0.406)	595540	200.000	207
15 allyl chloride	41	2.007	2.007	(0.446)	1286682	400.000	419
17 Methylene Chloride	84	2.082	2.083	(0.463)	403166	200.000	196
19 Acrylonitrile	53	2.251	2.240	(0.501)	3524441	4000.00	4240
20 Methyl-tert-butyl ether	73	2.263	2.257	(0.503)	2402736	400.000	393
21 1,2-Dichloroethene (trans)	96	2.263	2.263	(0.503)	399234	200.000	178
22 n-Hexane	57	2.455	2.456	(0.546)	616357	200.000	206
23 1,1-Dichloroethane	63	2.584	2.578	(0.575)	949739	200.000	196

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.619	2.607	(0.583)	3008924	800.000	554
	26 1,2-Dichloroethene (cis)	96	3.114	3.103	(0.693)	499954	200.000	184
	27 2,2-Dichloropropane	77	3.114	3.108	(0.693)	627059	200.000	202
	28 2-Butanone	43	3.137	3.120	(0.698)	1238148	1000.00	918
	144 Methacrylonitrile	41	3.114	3.120	(0.693)	403454	1000.00	1010(M)
	30 Bromochloromethane	49	3.371	3.359	(0.750)	455226	200.000	184
	31 Tetrahydrofuran	42	3.435	3.423	(0.764)	230719	200.000	205
	32 Chloroform	83	3.458	3.452	(0.769)	839083	200.000	200
$	33 Dibromofluoromethane (S)	113	3.656	3.645	(0.813)	136971	50.0000	47.8
	34 1,1,1-Trichloroethane	97	3.685	3.674	(0.820)	726893	200.000	193
	35 Cyclohexane	56	3.749	3.738	(0.834)	871159	200.000	182
	145 isopropyl acetate	61	1.226	1.214	(0.273)	48711	500.000	488(Q)
	36 Carbon Tetrachloride	117	3.895	3.884	(0.866)	593564	200.000	194
	37 1,1-Dichloropropene	75	3.895	3.889	(0.866)	678819	200.000	198
	141 2,2,4-Trimethylpentane	57	4.257	4.251	(0.947)	1436595	200.000	191
	39 Benzene	78	4.157	4.146	(0.925)	2000798	200.000	189
	40 1,2-Dichloroethane	62	4.187	4.175	(0.931)	691094	200.000	196
	38 Isobutyl alcohol	43	4.257	4.251	(0.947)	265484	1000.00	1030
*	41 Fluorobenzene	96	4.496	4.490	(1.000)	607606	50.0000	
	42 Trichloroethene	95	4.921	4.909	(1.095)	515784	200.000	196
	43 Methylcyclohexane	55	5.125	5.119	(1.140)	672183	200.000	186
	44 1,2-Dichloropropane	63	5.172	5.160	(1.150)	546679	200.000	196
	45 Dibromomethane	93	5.294	5.288	(1.178)	293082	200.000	193
	46 Methyl methacrylate	69	5.335	5.329	(1.187)	334851	200.000	202
	47 Bromodichloromethane	83	5.481	5.469	(1.219)	675017	200.000	191
	48 2-Chloroethyl vinyl ether	63	5.819	5.813	(0.790)	490446	400.000	426
	49 cis-1,3-Dichloropropene	75	5.953	5.941	(0.808)	859236	200.000	203
	50 4-Methyl-2-Pentanone	43	6.133	6.122	(0.832)	2357395	1000.00	948
$	51 Toluene-d8	98	6.215	6.209	(0.843)	553467	50.0000	50.2
	52 Toluene	91	6.279	6.273	(0.852)	2047455	200.000	188
	53 trans-1,3-Dichloropropene	75	6.512	6.507	(0.884)	780531	200.000	210
	54 Ethyl Methacrylate	69	6.611	6.606	(0.897)	606260	200.000	206
	55 1,1,2-Trichloroethane	83	6.664	6.658	(0.904)	359318	200.000	204
	56 Tetrachloroethene	166	6.769	6.763	(0.919)	867921	200.000	200
	57 1,3-Dichloropropane	76	6.798	6.792	(0.922)	773735	200.000	198
	58 2-Hexanone	43	6.885	6.880	(0.934)	1594653	1000.00	932
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	478099	200.000	208
	60 1,2-Dibromoethane	107	7.043	7.043	(0.956)	446888	200.000	199
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	432733	50.0000	
	62 Chlorobenzene	112	7.392	7.387	(1.003)	1303910	200.000	190
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	487601	200.000	211
	64 Ethylbenzene	106	7.468	7.462	(1.013)	703271	200.000	203
	65 m&p-Xylene	106	7.544	7.538	(1.024)	1670829	400.000	416
	67 o-Xylene	106	7.783	7.777	(1.056)	828234	200.000	205
	68 Styrene	104	7.789	7.789	(1.057)	1472148	200.000	182
	69 Bromoform	173	7.894	7.894	(0.911)	330843	200.000	223
	70 Isopropylbenzene	105	7.993	7.987	(1.085)	2197506	200.000	187
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	222781	50.0000	49.9
	74 Bromobenzene	77	8.156	8.150	(1.107)	913878	200.000	184
	73 1,1,2,2-Tetrachloroethane	83	8.162	8.156	(0.942)	514838	200.000	201
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	692911	200.000	209
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	180893	200.000	203
	76 n-Propylbenzene	91	8.214	8.208	(0.948)	2638586	200.000	186
	77 2-Chlorotoluene	91	8.261	8.255	(0.954)	1573679	200.000	185

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	1773124	200.000	179
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	509347	200.000	182
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	1546117	200.000	153
81 1,2,4-Trimethylbenzene	105	8.494	8.488	(0.980)	1821595	200.000	184
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	2262918	200.000	186
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	1023018	200.000	190
84 p-Isopropyltoluene	119	8.646	8.640	(0.998)	1886345	200.000	186
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	249702	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	1054333	200.000	187
87 n-Butylbenzene	91	8.838	8.832	(1.020)	1710752	200.000	180
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	955207	200.000	191
89 1,2-Dibromo-3-chloropropane	155	9.205	9.199	(1.063)	97194	200.000	213
90 1,2,4-Trichlorobenzene	180	9.561	9.561	(1.104)	672697	200.000	213
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	320006	200.000	205
92 Naphthalene	128	9.666	9.666	(1.116)	1773480	200.000	222
93 1,2,3-Trichlorobenzene	180	9.770	9.771	(1.128)	610111	200.000	212
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	849584	200.000	199

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a07cal.D
Lab Smp Id: 200ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 200ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	607606	4.51
61 Chlorobenzene-d5	407981	203991	815962	432733	6.07
85 1,4-Dichlorobenze	225028	112514	450056	249702	10.96

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.50	0.13
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	186	
74-87-3	Chloromethane	194	
75-01-4	Vinyl Chloride	188	
74-83-9	Bromomethane	147	
75-00-3	Chloroethane	148	
75-69-4	Trichlorofluoromethane	179	
354-23-4	1,2-dichlorotrifluoroethane	202	
60-29-7	Diethyl ether	412	
75-65-0	2-methyl-2-propanol	373	
107-02-8	Acrolein	4000	
76-13-1	1,1,2trichlorotrifluoroethan	183	
75-35-4	1,1-Dichloroethene	202	
67-64-1	Acetone	1030	
	Iodomethane	425	
75-15-0	Carbon Disulfide	369	
79-20-9	Methyl Acetate	207	
107-05-1	allyl chloride	419	
75-09-2	Methylene Chloride	196	
107-13-1	Acrylonitrile	4240	
1634-04-4	Methyl-tert-butyl ether	393	
156-60-5	1,2-Dichloroethene (trans)	178	
	n-Hexane	206	
75-34-3	1,1-Dichloroethane	196	
108-05-4	Vinyl Acetate	554	
156-59-2	1,2-Dichloroethene (cis)	184	
594-20-7	2,2-Dichloropropane	202	
78-93-3	2-Butanone	918	
126-98-7	Methacrylonitrile	1010	
74-97-5	Bromochloromethane	184	
	Tetrahydrofuran	205	
67-66-3	Chloroform	200	
71-55-6	1,1,1-Trichloroethane	193	
110-82-7	Cyclohexane	182	
108-21-4	isopropyl acetate	488	
56-23-5	Carbon Tetrachloride	194	
563-58-6	1,1-Dichloropropene	198	
540-84-1	2,2,4-Trimethylpentane	191	
71-43-2	Benzene	189	
107-06-2	1,2-Dichloroethane	196	
78-83-1	Isobutyl alcohol	1030	
79-01-6	Trichloroethene	196	
108-87-2	Methylcyclohexane	186	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	196	
74-95-3	Dibromomethane	193	
80-62-6	Methyl methacrylate	202	
75-27-4	Bromodichloromethane	191	
110-75-8	2-Chloroethyl vinyl ether	426	
10061-01-5	cis-1,3-Dichloropropene	203	
108-10-1	4-Methyl-2-Pentanone	948	
108-88-3	Toluene	188	
10061-02-6	trans-1,3-Dichloropropene	210	
	Ethyl Methacrylate	206	
79-00-5	1,1,2-Trichloroethane	204	
127-18-4	Tetrachloroethene	200	
142-28-9	1,3-Dichloropropane	198	
591-78-6	2-Hexanone	932	
124-48-1	Dibromochloromethane	208	
106-93-4	1,2-Dibromoethane	199	
108-90-7	Chlorobenzene	190	
630-20-6	1,1,1,2-Tetrachloroethane	211	
100-41-4	Ethylbenzene	203	
7816-60-0	m&p-Xylene	416	
95-47-6	o-Xylene	205	
100-42-5	Styrene	182	
75-25-2	Bromoform	223	
98-82-8	Isopropylbenzene	187	
108-86-1	Bromobenzene	184	
79-34-5	1,1,2,2-Tetrachloroethane	201	
96-18-4	1,2,3-Trichloropropane	209	
	trans-1,4-Dichloro-2-butene	203	
103-65-1	n-Propylbenzene	186	
95-49-8	2-Chlorotoluene	185	
108-67-8	1,3,5-Trimethylbenzene	179	
106-43-4	4-Chlorotoluene	182	
98-06-6	tert-Butylbenzene	153	
95-63-6	1,2,4-Trimethylbenzene	184	
135-98-8	sec-Butylbenzene	186	
541-73-1	1,3-Dichlorobenzene	190	
99-87-6	p-Isopropyltoluene	186	
106-46-7	1,4-Dichlorobenzene	187	
104-51-8	n-Butylbenzene	180	
95-50-1	1,2-Dichlorobenzene	191	
96-12-8	1,2-Dibromo-3-chloropropane	213	
120-82-1	1,2,4-Trichlorobenzene	213	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

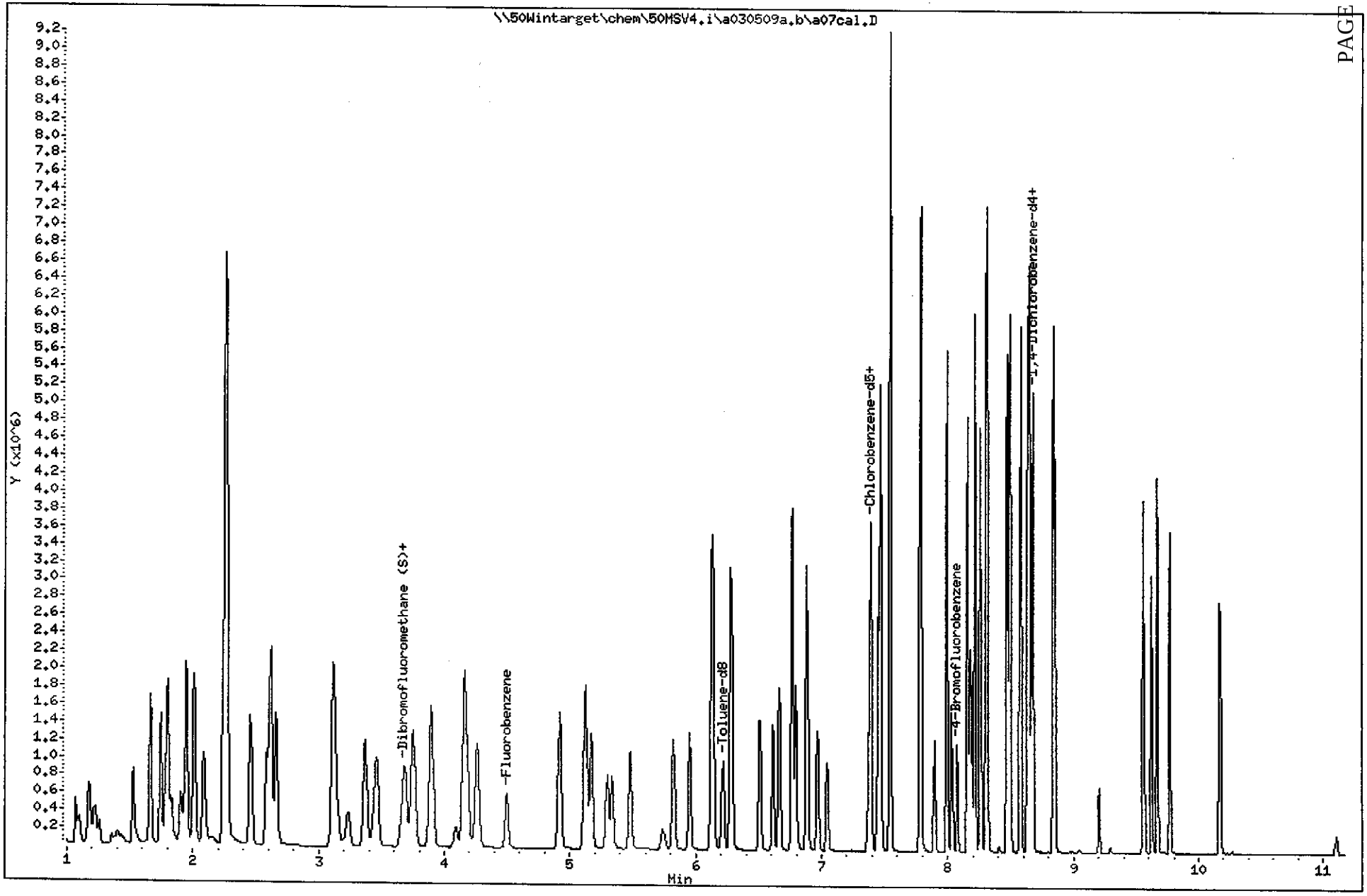
Client SDG: a030509a.b
Client Smp ID: 200ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	205	
91-20-3	Naphthalene	222	
87-61-6	1,2,3-Trichlorobenzene	212	
	2,methyl-naphthalene	199	
1868-53-7	Dibromofluoromethane (S)	47.8	
2037-26-5	Toluene-d8	50.2	
460-00-4	4-Bromofluorobenzene	49.9	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a07cal.D
Date : 05-MAR-2009 18:26
Client ID: 200ppb
Sample Info: 200ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a07cal.D

Date : 05-MAR-2009 18:26

Client ID: 200ppb

Instrument: 50MSV4.i

Sample Info: 200ppb

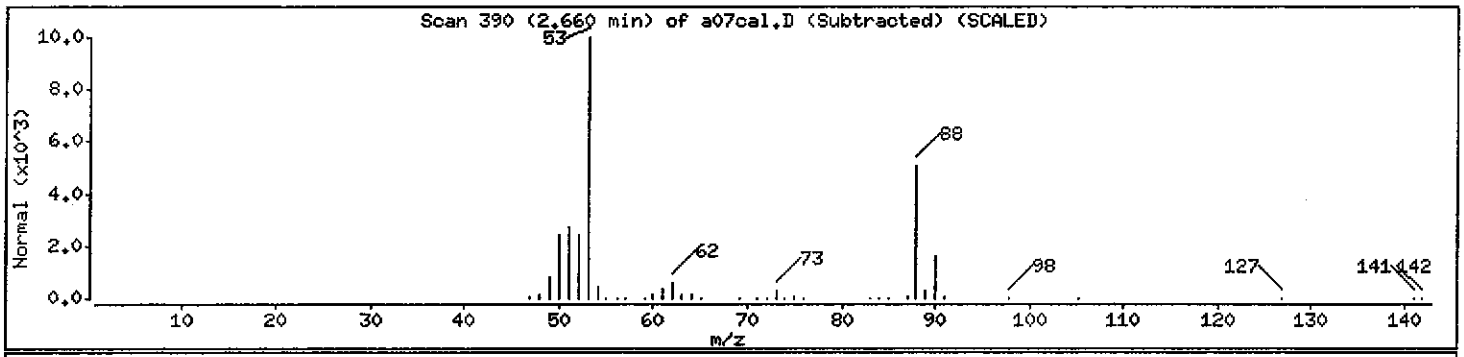
Purge Volume: 5.0

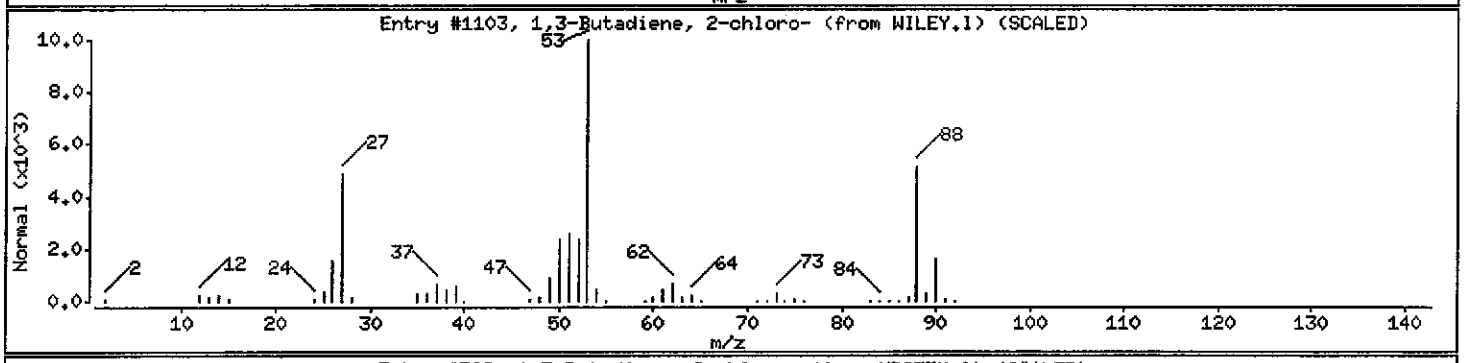
Operator: slb

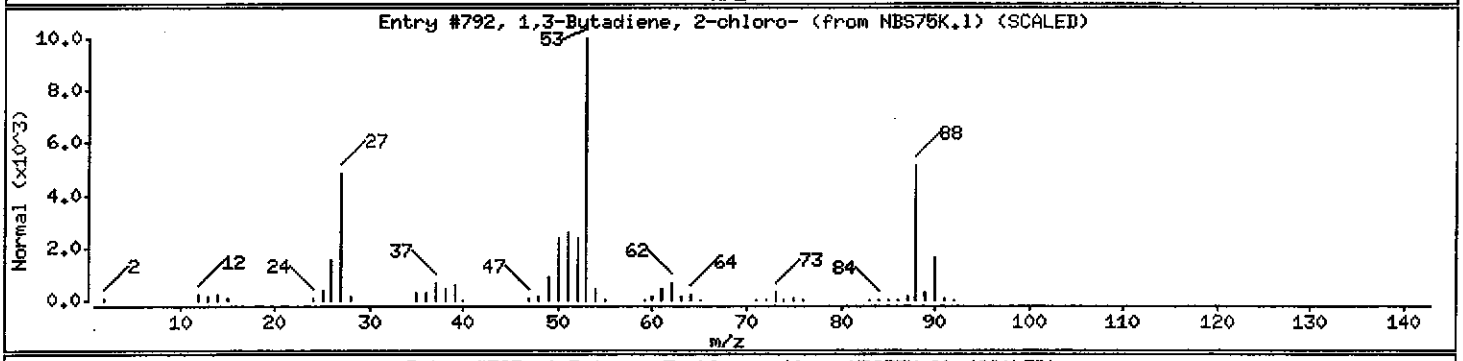
Column phase: DB-624

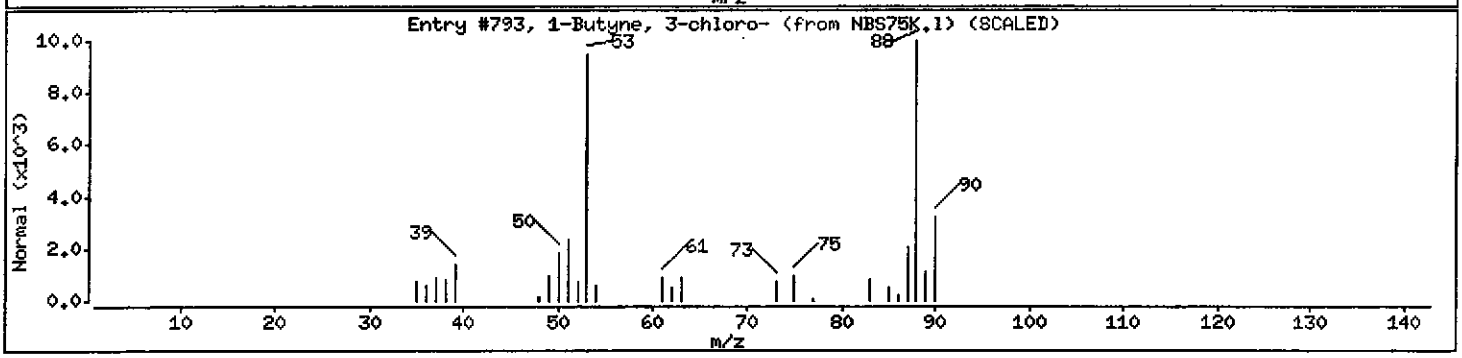
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Butadiene, 2-chloro-	126-99-8	WILEY.l	1103	95	C4H5Cl	88
1,3-Butadiene, 2-chloro-	126-99-8	NBS75K.l	792	95	C4H5Cl	88
1-Butyne, 3-chloro-	21020-24-6	NBS75K.l	793	64	C4H5Cl	88









Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a08cal.D
Lab Smp Id: 300ppb Client Smp ID: 300ppb
Inj Date : 05-MAR-2009 18:56
Operator : slb Inst ID: 50MSV4.i
Smp Info : 300ppb
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 03-MAR-2009 14:39 Cal File: a08cal.D
Als bottle: 17 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	1.068	1.074	(0.237)	785237	300.000	249
2 Chloromethane	50	1.179	1.179	(0.262)	1068997	300.000	307
3 Vinyl Chloride	62	1.232	1.214	(0.274)	870409	300.000	282
4 Bromomethane	94	1.354	1.366	(0.301)	128852	300.000	162
5 Chloroethane	64	1.436	1.412	(0.319)	176040	300.000	159
6 Trichlorofluoromethane	101	1.529	1.535	(0.340)	729521	300.000	227
7 1,2-dichlorotrifluoroethane	67	1.663	1.657	(0.369)	591942	300.000	295
8 Diethyl ether	74	1.669	1.669	(0.371)	285614	600.000	582
18 2-methyl-2-propanol	59	1.669	1.669	(0.371)	420863	600.000	522
9 Acrolein	56	1.744	1.745	(0.388)	1610080	6000.00	5880
10 1,1,2trichlorotrifluoroethane	101	1.791	1.791	(0.398)	458322	300.000	256
11 1,1-Dichloroethene	96	1.803	1.803	(0.401)	477849	300.000	296
12 Acetone	43	1.832	1.826	(0.407)	848718	1500.00	1470
13 Iodomethane	142	1.902	1.902	(0.423)	1181364	600.000	577
14 Carbon Disulfide	76	1.948	1.949	(0.433)	2938173	600.000	537
16 Methyl Acetate	43	1.832	1.826	(0.407)	848718	300.000	293
15 allyl chloride	41	2.007	2.007	(0.446)	1784354	600.000	579
17 Methylene Chloride	84	2.088	2.083	(0.464)	628380	300.000	302
19 Acrylonitrile	53	2.257	2.240	(0.502)	4738812	6000.00	5680
20 Methyl-tert-butyl ether	73	2.275	2.257	(0.505)	3351624	600.000	542
21 1,2-Dichloroethene (trans)	96	2.269	2.263	(0.504)	559692	300.000	247
22 n-Hexane	57	2.461	2.456	(0.547)	877477	300.000	292
23 1,1-Dichloroethane	63	2.590	2.578	(0.575)	1415552	300.000	289

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.625	2.607	(0.583)	6542204	1200.00	1190
	26 1,2-Dichloroethene (cis)	96	3.120	3.103	(0.693)	752389	300.000	275
	27 2,2-Dichloropropane	77	3.120	3.108	(0.693)	924890	300.000	296
	28 2-Butanone	43	3.143	3.120	(0.698)	1784832	1500.00	1310
	144 Methacrylonitrile	41	3.120	3.120	(0.693)	597250	1500.00	1480(M)
	30 Bromochloromethane	49	3.376	3.359	(0.750)	645910	300.000	259
	31 Tetrahydrofuran	42	3.446	3.423	(0.766)	304506	300.000	297
	32 Chloroform	83	3.470	3.452	(0.771)	1262606	300.000	298
$	33 Dibromofluoromethane (S)	113	3.662	3.645	(0.814)	140203	50.0000	48.4
	34 1,1,1-Trichloroethane	97	3.691	3.674	(0.820)	1091451	300.000	287
	35 Cyclohexane	56	3.755	3.738	(0.834)	1270366	300.000	262
	145 isopropyl acetate	61	1.232	1.214	(0.274)	72842	750.000	722(QM)
	36 Carbon Tetrachloride	117	3.901	3.884	(0.867)	886014	300.000	287
	37 1,1-Dichloropropene	75	3.901	3.889	(0.867)	1007378	300.000	291
	141 2,2,4-Trimethylpentane	57	4.268	4.251	(0.948)	2069733	300.000	272
	39 Benzene	78	4.163	4.146	(0.925)	3002656	300.000	280
	40 1,2-Dichloroethane	62	4.192	4.175	(0.931)	1019301	300.000	286
	38 Isobutyl alcohol	43	4.268	4.251	(0.948)	381818	1500.00	1470
*	41 Fluorobenzene	96	4.501	4.490	(1.000)	614254	50.0000	
	42 Trichloroethene	95	4.927	4.909	(1.095)	748035	300.000	282
	43 Methylcyclohexane	55	5.131	5.119	(1.140)	988329	300.000	270
	44 1,2-Dichloropropane	63	5.178	5.160	(1.150)	831556	300.000	295
	45 Dibromomethane	93	5.300	5.288	(1.177)	429921	300.000	280
	46 Methyl methacrylate	69	5.341	5.329	(1.186)	495339	300.000	297
	47 Bromodichloromethane	83	5.481	5.469	(1.218)	1009470	300.000	282
	48 2-Chloroethyl vinyl ether	63	5.824	5.813	(0.790)	751659	600.000	641
	49 cis-1,3-Dichloropropene	75	5.959	5.941	(0.808)	1275711	300.000	296
	50 4-Methyl-2-Pentanone	43	6.139	6.122	(0.832)	3361868	1500.00	1330
$	51 Toluene-d8	98	6.221	6.209	(0.844)	564992	50.0000	50.4
	52 Toluene	91	6.285	6.273	(0.852)	3086648	300.000	278
	53 trans-1,3-Dichloropropene	75	6.512	6.507	(0.883)	1149672	300.000	304
	54 Ethyl Methacrylate	69	6.617	6.606	(0.897)	875429	300.000	294
	55 1,1,2-Trichloroethane	83	6.670	6.658	(0.904)	528684	300.000	296
	56 Tetrachloroethene	166	6.769	6.763	(0.918)	805736	300.000	193
	57 1,3-Dichloropropane	76	6.804	6.792	(0.923)	1129993	300.000	285
	58 2-Hexanone	43	6.891	6.880	(0.934)	2269059	1500.00	1300
	59 Dibromochloromethane	129	6.973	6.967	(0.945)	720052	300.000	308
	60 1,2-Dibromoethane	107	7.049	7.043	(0.956)	659228	300.000	289
*	61 Chlorobenzene-d5	117	7.375	7.369	(1.000)	440050	50.0000	
	62 Chlorobenzene	112	7.392	7.387	(1.002)	1922159	300.000	275
	63 1,1,1,2-Tetrachloroethane	131	7.451	7.445	(1.010)	714712	300.000	304
	64 Ethylbenzene	106	7.468	7.462	(1.013)	1037672	300.000	296
	65 m&p-Xylene	106	7.544	7.538	(1.023)	2349413	600.000	579
	67 o-Xylene	106	7.783	7.777	(1.055)	1193165	300.000	292
	68 Styrene	104	7.795	7.789	(1.057)	2114967	300.000	257
	69 Bromoform	173	7.894	7.894	(0.911)	495991	300.000	330
	70 Isopropylbenzene	105	7.993	7.987	(1.084)	3185494	300.000	266
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.095)	228993	50.0000	50.5
	74 Bromobenzene	77	8.156	8.150	(1.106)	1371091	300.000	272
	73 1,1,2,2-Tetrachloroethane	83	8.162	8.156	(0.942)	764914	300.000	296
	75 1,2,3-Trichloropropane	75	8.185	8.179	(0.945)	1025639	300.000	305
	71 trans-1,4-Dichloro-2-butene	53	8.191	8.185	(1.111)	270232	300.000	298
	76 n-Propylbenzene	91	8.214	8.208	(0.948)	3804457	300.000	265
	77 2-Chlorotoluene	91	8.261	8.255	(0.954)	2336681	300.000	270

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.307	8.302	(0.959)	2519598	300.000	251
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	751336	300.000	265
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	2842912	300.000	277
81 1,2,4-Trimethylbenzene	105	8.494	8.488	(0.980)	2649172	300.000	263
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	3281808	300.000	266
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	1455316	300.000	266
84 p-Isopropyltoluene	119	8.646	8.640	(0.998)	2684230	300.000	260
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	253421	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	1563418	300.000	273
87 n-Butylbenzene	91	8.838	8.832	(1.020)	2531236	300.000	262
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	1407664	300.000	277
89 1,2-Dibromo-3-chloropropane	155	9.205	9.199	(1.063)	143188	300.000	309
90 1,2,4-Trichlorobenzene	180	9.561	9.561	(1.104)	988413	300.000	308
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	468080	300.000	296
92 Naphthalene	128	9.666	9.666	(1.116)	2537030	300.000	313
93 1,2,3-Trichlorobenzene	180	9.770	9.771	(1.128)	898112	300.000	308
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	1322950	300.000	301

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a08cal.D
Lab Smp Id: 300ppb
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: 300ppb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	614254	5.65
61 Chlorobenzene-d5	407981	203991	815962	440050	7.86
85 1,4-Dichlorobenze	225028	112514	450056	253421	12.62

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.50	0.26
61 Chlorobenzene-d5	7.37	6.87	7.87	7.38	0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	249	
74-87-3	Chloromethane	307	
75-01-4	Vinyl Chloride	282	
74-83-9	Bromomethane	162	
75-00-3	Chloroethane	159	
75-69-4	Trichlorofluoromethane	227	
354-23-4	1,2-dichlorotrifluoroethane	295	
60-29-7	Diethyl ether	582	
75-65-0	2-methyl-2-propanol	522	
107-02-8	Acrolein	5880	
76-13-1	1,1,2trichlorotrifluoroethan	256	
75-35-4	1,1-Dichloroethene	296	
67-64-1	Acetone	1470	
	Iodomethane	577	
75-15-0	Carbon Disulfide	537	
79-20-9	Methyl Acetate	293	
107-05-1	allyl chloride	579	
75-09-2	Methylene Chloride	302	
107-13-1	Acrylonitrile	5680	
1634-04-4	Methyl-tert-butyl ether	542	
156-60-5	1,2-Dichloroethene (trans)	247	
	n-Hexane	292	
75-34-3	1,1-Dichloroethane	289	
108-05-4	Vinyl Acetate	1190	
156-59-2	1,2-Dichloroethene (cis)	275	
594-20-7	2,2-Dichloropropane	296	
78-93-3	2-Butanone	1310	
126-98-7	Methacrylonitrile	1480	
74-97-5	Bromochloromethane	259	
	Tetrahydrofuran	297	
67-66-3	Chloroform	298	
71-55-6	1,1,1-Trichloroethane	287	
110-82-7	Cyclohexane	262	
108-21-4	isopropyl acetate	722	
56-23-5	Carbon Tetrachloride	287	
563-58-6	1,1-Dichloropropene	291	
540-84-1	2,2,4-Trimethylpentane	272	
71-43-2	Benzene	280	
107-06-2	1,2-Dichloroethane	286	
78-83-1	Isobutyl alcohol	1470	
79-01-6	Trichloroethene	282	
108-87-2	Methylcyclohexane	270	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
78-87-5	1,2-Dichloropropane	295	
74-95-3	Dibromomethane	280	
80-62-6	Methyl methacrylate	297	
75-27-4	Bromodichloromethane	282	
110-75-8	2-Chloroethyl vinyl ether	641	
10061-01-5	cis-1,3-Dichloropropene	296	
108-10-1	4-Methyl-2-Pentanone	1330	
108-88-3	Toluene	278	
10061-02-6	trans-1,3-Dichloropropene	304	
	Ethyl Methacrylate	294	
79-00-5	1,1,2-Trichloroethane	296	
127-18-4	Tetrachloroethene	193	
142-28-9	1,3-Dichloropropane	285	
591-78-6	2-Hexanone	1300	
124-48-1	Dibromochloromethane	308	
106-93-4	1,2-Dibromoethane	289	
108-90-7	Chlorobenzene	275	
630-20-6	1,1,1,2-Tetrachloroethane	304	
100-41-4	Ethylbenzene	296	
7816-60-0	m&p-Xylene	579	
95-47-6	o-Xylene	292	
100-42-5	Styrene	257	
75-25-2	Bromoform	330	
98-82-8	Isopropylbenzene	266	
108-86-1	Bromobenzene	272	
79-34-5	1,1,2,2-Tetrachloroethane	296	
96-18-4	1,2,3-Trichloropropane	305	
	trans-1,4-Dichloro-2-butene	298	
103-65-1	n-Propylbenzene	265	
95-49-8	2-Chlorotoluene	270	
108-67-8	1,3,5-Trimethylbenzene	251	
106-43-4	4-Chlorotoluene	265	
98-06-6	tert-Butylbenzene	277	
95-63-6	1,2,4-Trimethylbenzene	263	
135-98-8	sec-Butylbenzene	266	
541-73-1	1,3-Dichlorobenzene	266	
99-87-6	p-Isopropyltoluene	260	
106-46-7	1,4-Dichlorobenzene	273	
104-51-8	n-Butylbenzene	262	
95-50-1	1,2-Dichlorobenzene	277	
96-12-8	1,2-Dibromo-3-chloropropane	309	
120-82-1	1,2,4-Trichlorobenzene	308	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 300ppb
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

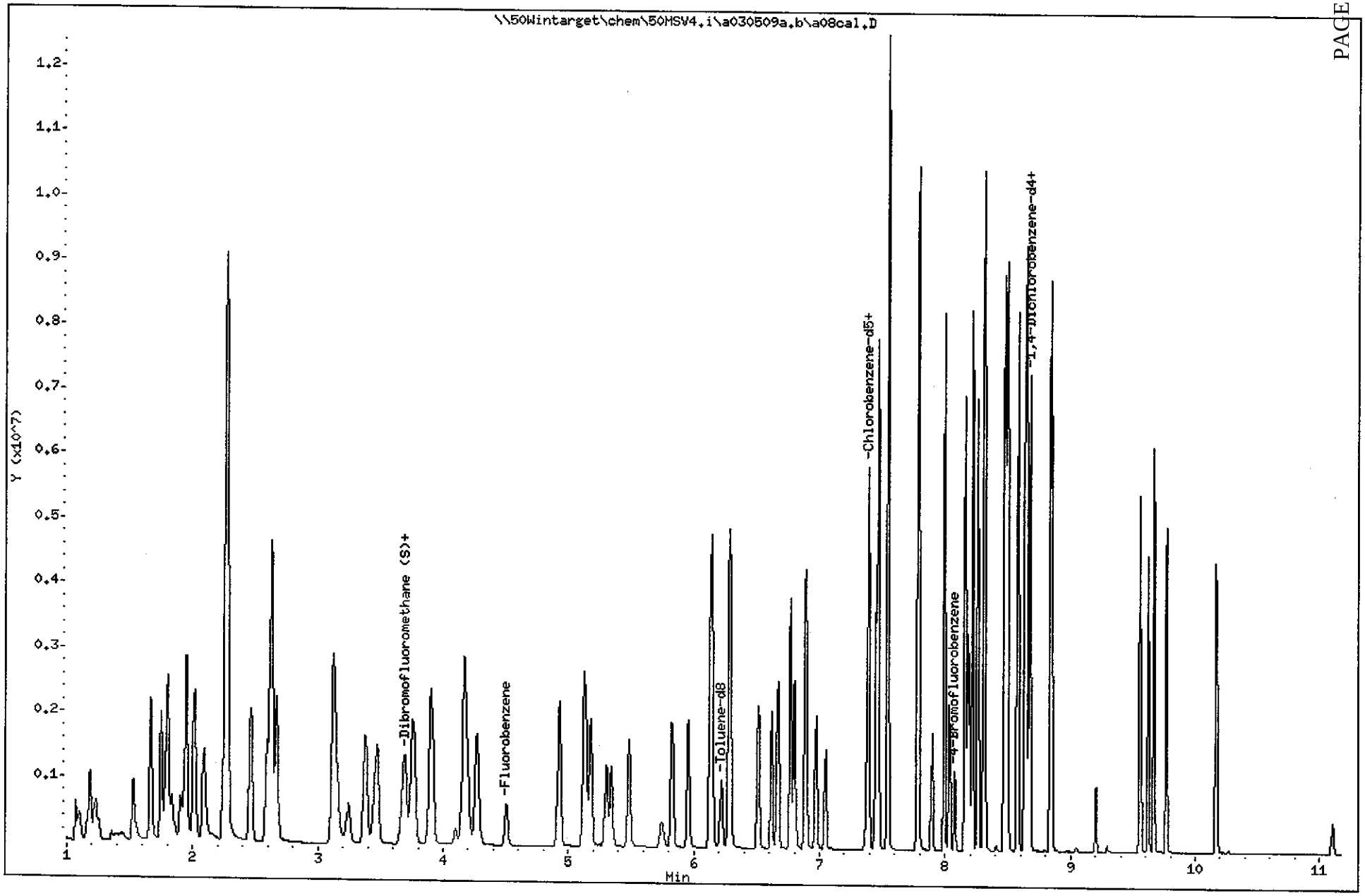
Client SDG: a030509a.b
Client Smp ID: 300ppb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
87-68-3	Hexachlorobutadiene	296	
91-20-3	Naphthalene	313	
87-61-6	1,2,3-Trichlorobenzene	308	
	2,methyl-naphthalene	301	
1868-53-7	Dibromofluoromethane (S)	48.4	
2037-26-5	Toluene-d8	50.4	
460-00-4	4-Bromofluorobenzene	50.5	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a08cal.D
Date : 05-MAR-2009 18:56
Client ID: 300ppb
Sample Info: 300ppb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a08cal.D

Date : 05-MAR-2009 18:56

Client ID: 300ppb

Instrument: 50MSV4.i

Sample Info: 300ppb

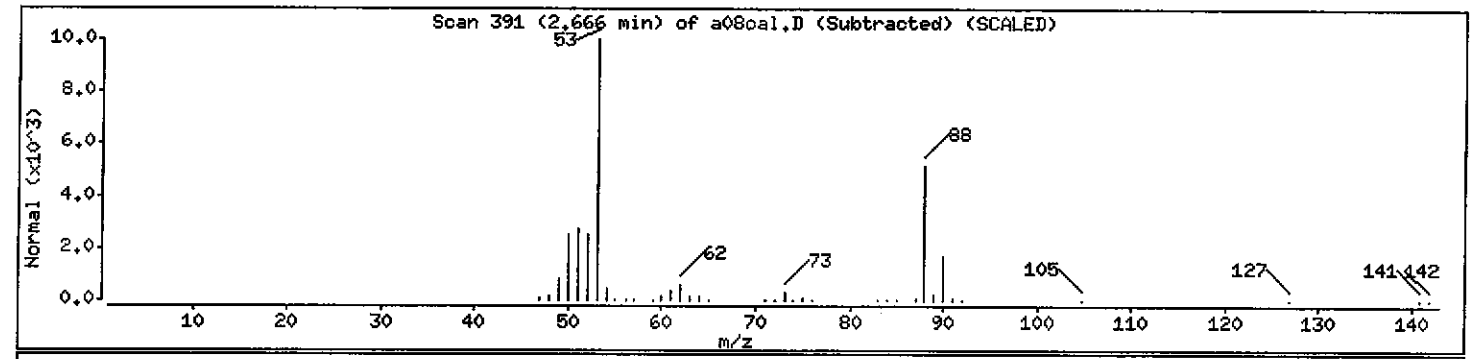
Purge Volume: 5.0

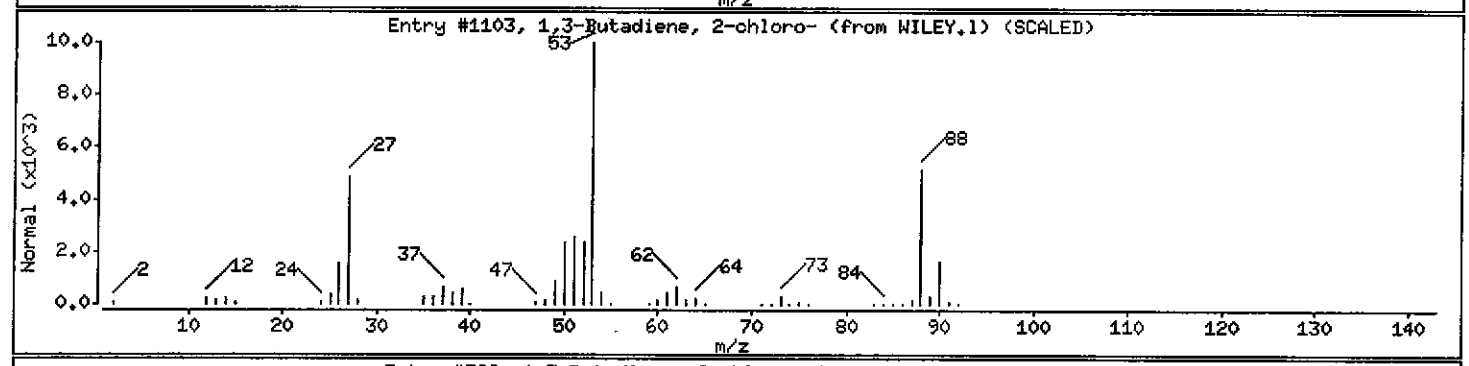
Operator: slb

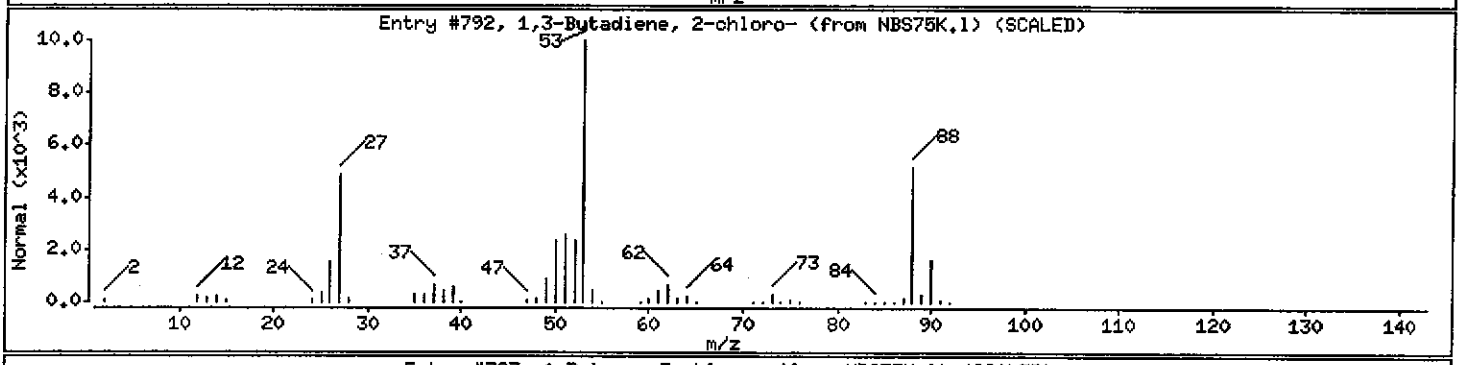
Column phase: DB-624

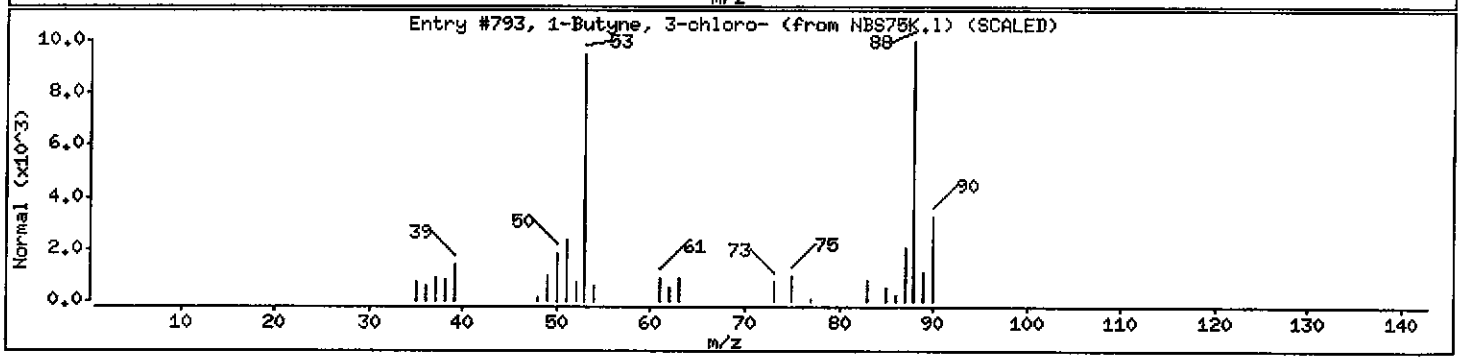
Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
1,3-Butadiene, 2-chloro-	126-99-8	WILEY.l	1103	95	C4H5Cl	88
1,3-Butadiene, 2-chloro-	126-99-8	NBS75K.l	792	95	C4H5Cl	88
1-Butyne, 3-chloro-	21020-24-6	NBS75K.l	793	64	C4H5Cl	88









Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\a030509a.b\a10icv.D
Lab Smp Id: icv Client Smp ID: icv
Inj Date : 05-MAR-2009 19:55
Operator : slb Inst ID: 50MSV4.i
Smp Info : icv
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Meth Date : 06-Mar-2009 10:41 sbaker Quant Type: ISTD
Cal Date : 05-MAR-2009 18:56 Cal File: a08cal.D
Als bottle: 21 QC Sample: ICV
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50VOA-ADR2

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	1.074	1.074	(0.240)	163613	48.3680	48.4
2 Chloromethane	50	1.173	1.179	(0.262)	173325	48.4215	48.4
3 Vinyl Chloride	62	1.208	1.214	(0.270)	155559	46.8613	46.9
4 Bromomethane	94	1.366	1.366	(0.305)	64382	72.6751	72.7(R)
5 Chloroethane	64	1.412	1.412	(0.315)	74377	60.5856	60.6
6 Trichlorofluoromethane	101	1.529	1.535	(0.341)	162589	47.1582	47.2
7 1,2-dichlorotrifluoroethane	67	1.657	1.657	(0.370)	126623	55.8550	55.8
8 Diethyl ether	74	1.663	1.669	(0.371)	60972	108.955	109(R)
18 2-methyl-2-propanol	59	1.663	1.669	(0.371)	92581	106.899	107
9 Acrolein	56	1.739	1.745	(0.388)	295667	928.131	928
10 1,1,2trichlorotrifluoroethane	101	1.791	1.791	(0.400)	94264	49.0210	49.0
11 1,1-Dichloroethene	96	1.797	1.803	(0.401)	88207	48.8877	48.9
12 Acetone	43	1.820	1.826	(0.406)	195483	296.270	296
13 Iodomethane	142	1.896	1.902	(0.423)	200341	91.9252	91.9
14 Carbon Disulfide	76	1.943	1.949	(0.433)	527850	89.8183	89.8
16 Methyl Acetate	43	1.820	1.826	(0.406)	195483	59.3086	59.3
15 allyl chloride	41	2.001	2.007	(0.446)	363216	101.562	102
17 Methylene Chloride	84	2.077	2.083	(0.463)	111153	49.2394	49.2
19 Acrylonitrile	53	2.234	2.240	(0.498)	1064283	1098.50	1100
20 Methyl-tert-butyl ether	73	2.252	2.257	(0.502)	651836	98.2015	98.2
21 1,2-Dichloroethene (trans)	96	2.257	2.263	(0.503)	121166	49.8030	49.8
22 n-Hexane	57	2.450	2.456	(0.546)	188244	55.8889	55.9

µTC

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	23 1,1-Dichloroethane	63	2.572	2.578	(0.574)	238406	45.2718	45.3
	24 Vinyl Acetate	43	2.601	2.607	(0.580)	866182	146.719	147
	26 1,2-Dichloroethene (cis)	96	3.097	3.103	(0.691)	137826	46.8461	46.8
	27 2,2-Dichloropropane	77	3.103	3.108	(0.692)	154843	44.8888	44.9
	28 2-Butanone	43	3.114	3.120	(0.695)	369229	252.101	252
	30 Bromochloromethane	49	3.353	3.359	(0.748)	135094	50.4089	50.4
	31 Tetrahydrofuran	42	3.417	3.423	(0.762)	115654	42.1577	42.2
	32 Chloroform	83	3.446	3.452	(0.769)	226528	48.7902	48.8
$	33 Dibromofluoromethane (S)	113	3.639	3.645	(0.812)	153761	49.3746	49.4
	34 1,1,1-Trichloroethane	97	3.668	3.674	(0.818)	189234	46.3247	46.3
	35 Cyclohexane	56	3.738	3.738	(0.834)	249057	47.8169	47.8
	145 isopropyl acetate	61	1.208	1.214	(0.270)	13334	123.044	123(Q)
	36 Carbon Tetrachloride	117	3.878	3.884	(0.865)	161775	48.7736	48.8
	37 1,1-Dichloropropene	75	3.884	3.889	(0.866)	183881	49.4330	49.4
	141 2,2,4-Trimethylpentane	57	4.245	4.251	(0.947)	365383	44.7492	44.7
	39 Benzene	78	4.140	4.146	(0.923)	559141	48.5631	48.6
	40 1,2-Dichloroethane	62	4.169	4.175	(0.930)	180533	47.1305	47.1
	38 Isobutyl alcohol	43	4.262	4.251	(0.951)	1364093	4924.20	4920(Q)
*	41 Fluorobenzene	96	4.484	4.490	(1.000)	659911	50.0000	
	42 Trichloroethene	95	4.909	4.909	(1.095)	139060	48.7578	48.8
	43 Methylcyclohexane	55	5.113	5.119	(1.140)	183088	46.5300	46.5
	44 1,2-Dichloropropane	63	5.160	5.160	(1.151)	153698	50.7943	50.8
	45 Dibromomethane	93	5.282	5.288	(1.178)	79198	48.0937	48.1
	46 Methyl methacrylate	69	5.323	5.329	(1.187)	84352	45.9028	45.9
	47 Bromodichloromethane	83	5.469	5.469	(1.220)	175955	45.7464	45.7
	48 2-Chloroethyl vinyl ether	63	5.813	5.813	(0.789)	47327	38.6413	38.6
	49 cis-1,3-Dichloropropene	75	5.941	5.941	(0.807)	223092	49.5231	49.5
	50 4-Methyl-2-Pentanone	43	6.116	6.122	(0.831)	636629	240.908	241
$	51 Toluene-d8	98	6.209	6.209	(0.843)	598899	51.0634	51.1
	52 Toluene	91	6.273	6.273	(0.852)	569174	49.0579	49.0
	53 trans-1,3-Dichloropropene	75	6.501	6.507	(0.883)	193809	49.0132	49.0
	54 Ethyl Methacrylate	69	6.606	6.606	(0.897)	157841	48.8514	48.8
	55 1,1,2-Trichloroethane	83	6.658	6.658	(0.904)	100134	52.5206	52.5
	56 Tetrachloroethene	166	6.757	6.763	(0.918)	133186	44.0326	44.0
	57 1,3-Dichloropropane	76	6.792	6.792	(0.922)	209171	50.4210	50.4
	58 2-Hexanone	43	6.874	6.880	(0.934)	520513	286.301	286
	59 Dibromochloromethane	129	6.961	6.967	(0.945)	121928	49.8593	49.8
	60 1,2-Dibromoethane	107	7.037	7.043	(0.956)	114054	47.8954	47.9
*	61 Chlorobenzene-d5	117	7.363	7.369	(1.000)	459949	50.0000	
	62 Chlorobenzene	112	7.387	7.387	(1.003)	365764	50.1355	50.1
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.011)	124346	50.5697	50.6
	64 Ethylbenzene	106	7.462	7.462	(1.013)	198533	52.1183	52.1
	65 m&p-Xylene	106	7.538	7.538	(1.024)	481546	106.971	107
	67 o-Xylene	106	7.777	7.777	(1.056)	243729	54.2856	54.3
	68 Styrene	104	7.783	7.789	(1.057)	407939	47.4528	47.4
	69 Bromoform	173	7.888	7.894	(0.911)	72864	48.9675	49.0
	70 Isopropylbenzene	105	7.987	7.987	(1.085)	597749	47.7889	47.8
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.097)	234980	49.5507	49.6
	74 Bromobenzene	77	8.150	8.150	(1.107)	246013	46.6340	46.6
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.942)	133963	50.4916	50.5
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.945)	167062	50.2779	50.3
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.112)	45101	48.0281	48.0
	76 n-Propylbenzene	91	8.208	8.208	(0.948)	733741	51.6203	51.6
	77 2-Chlorotoluene	91	8.255	8.255	(0.954)	429332	50.1640	50.2

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.959)	427066	43.0527	43.0
79 4-Chlorotoluene	126	8.308	8.313	(0.960)	142146	50.6616	50.7
80 tert-Butylbenzene	119	8.465	8.465	(0.978)	462497	45.4865	45.5
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	431524	43.3424	43.3
82 sec-Butylbenzene	105	8.576	8.576	(0.991)	610819	49.9989	50.0
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.997)	268343	49.5320	49.5
84 p-Isopropyltoluene	119	8.640	8.640	(0.998)	453633	44.4385	44.4
* 85 1,4-Dichlorobenzene-d4	152	8.657	8.663	(1.000)	250708	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.669	8.675	(1.001)	246796	43.6102	43.6
87 n-Butylbenzene	91	8.832	8.832	(1.020)	426405	44.5835	44.6
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	246926	49.1078	49.1
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.063)	21954	47.8678	47.9
90 1,2,4-Trichlorobenzene	180	9.555	9.561	(1.104)	159300	50.2487	50.2
91 Hexachlorobutadiene	225	9.625	9.625	(1.112)	84566	52.7833	52.8
92 Naphthalene	128	9.666	9.666	(1.116)	382975	47.7134	47.7
93 1,2,3-Trichlorobenzene	180	9.765	9.771	(1.128)	150662	52.2808	52.3
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	162208	44.1202	44.1

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: a10icv.D
Lab Smp Id: icv
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Calibration Date: 05-MAR-2009
Calibration Time: 17:26
Client Smp ID: icv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	581385	290693	1162770	659911	13.51
61 Chlorobenzene-d5	407981	203991	815962	459949	12.74
85 1,4-Dichlorobenze	225028	112514	450056	250708	11.41

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.49	3.99	4.99	4.48	-0.13
61 Chlorobenzene-d5	7.37	6.87	7.87	7.36	-0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.07

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: icv
Level: LOW
Data Type: MS DATA
SpikeList File: 8260ICVxx.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\a030509a.b\-A8260.m
Misc Info:

Client SDG: a030509a.b
Fraction: VOA
Client Smp ID: icv
Operator: slb
SampleType: ICV
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	48.4	96.74	70-130
2 Chloromethane	50.0	48.4	96.84	70-130
3 Vinyl Chloride	50.0	46.9	93.72	70-130
4 Bromomethane	50.0	72.7	145.35*	70-130
5 Chloroethane	50.0	60.6	121.17	70-130
6 Trichlorofluoromet	50.0	47.2	94.32	70-130
7 1,2-dichlorotriflu	50.0	55.8	111.71	70-130
8 Diethyl ether	50.0	109	217.91*	70-130
9 Acrolein	1000	928	92.81	70-130
11 1,1-Dichloroethene	50.0	48.9	97.78	70-130
10 1,1,2trichlorotrif	50.0	49.0	98.04	70-130
12 Acetone	250	296	118.51	70-130
13 Iodomethane	100	91.9	91.93	70-130
14 Carbon Disulfide	100	89.8	89.82	70-130
16 Methyl Acetate	50.0	59.3	118.62	70-130
15 allyl chloride	100	102	101.56	70-130
17 Methylene Chloride	50.0	49.2	98.48	70-130
19 Acrylonitrile	1000	1100	109.85	70-130
21 1,2-Dichloroethene	50.0	49.8	99.61	70-130
20 Methyl-tert-butyl	100	98.2	98.20	70-130
22 n-Hexane	50.0	55.9	111.78	70-130
23 1,1-Dichloroethane	50.0	45.3	90.54	70-130
24 Vinyl Acetate	200	147	73.36	70-130
26 1,2-Dichloroethene	50.0	46.8	93.69	70-130
27 2,2-Dichloropropan	50.0	44.9	89.78	70-130
28 2-Butanone	250	252	100.84	70-130
30 Bromochloromethane	50.0	50.4	100.82	70-130
32 Chloroform	50.0	48.8	97.58	70-130
34 1,1,1-Trichloroeth	50.0	46.3	92.65	70-130
35 Cyclohexane	50.0	47.8	95.63	70-130
37 1,1-Dichloropropen	50.0	49.4	98.87	70-130
36 Carbon Tetrachlori	50.0	48.8	97.55	70-130
39 Benzene	50.0	48.6	97.13	70-130
40 1,2-Dichloroethane	50.0	47.1	94.26	70-130
42 Trichloroethene	50.0	48.8	97.52	70-130
43 Methylcyclohexane	50.0	46.5	93.06	70-130
44 1,2-Dichloropropan	50.0	50.8	101.59	70-130
45 Dibromomethane	50.0	48.1	96.19	70-130
46 Methyl methacrylat	50.0	45.9	91.81	70-130
47 Bromodichlorometha	50.0	45.7	91.49	70-130

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
49 cis-1,3-Dichloropr	50.0	49.5	99.05	70-130
50 4-Methyl-2-Pentano	250	241	96.36	70-130
52 Toluene	50.0	49.0	98.12	70-130
53 trans-1,3-Dichloro	50.0	49.0	98.03	70-130
54 Ethyl Methacrylate	50.0	48.8	97.70	70-130
55 1,1,2-Trichloroeth	50.0	52.5	105.04	70-130
56 Tetrachloroethene	50.0	44.0	88.07	70-130
57 1,3-Dichloropropan	50.0	50.4	100.84	70-130
58 2-Hexanone	250	286	114.52	70-130
59 Dibromochlorometha	50.0	49.8	99.72	70-130
60 1,2-Dibromoethane	50.0	47.9	95.79	70-130
62 Chlorobenzene	50.0	50.1	100.27	70-130
63 1,1,1,2-Tetrachlor	50.0	50.6	101.14	70-130
64 Ethylbenzene	50.0	52.1	104.24	70-130
65 m&p-Xylene	100	107	106.97	70-130
67 o-Xylene	50.0	54.3	108.57	70-130
68 Styrene	50.0	47.4	94.91	70-130
69 Bromoform	50.0	49.0	97.94	70-130
70 Isopropylbenzene	50.0	47.8	95.58	70-130
71 trans-1,4-Dichloro	50.0	48.0	96.06	70-130
73 1,1,2,2-Tetrachlor	50.0	50.5	100.98	70-130
74 Bromobenzene	50.0	46.6	93.27	70-130
75 1,2,3-Trichloropro	50.0	50.3	100.56	70-130
76 n-Propylbenzene	50.0	51.6	103.24	70-130
77 2-Chlorotoluene	50.0	50.2	100.33	70-130
79 4-Chlorotoluene	50.0	50.7	101.32	70-130
78 1,3,5-Trimethylben	50.0	43.0	86.11	70-130
80 tert-Butylbenzene	50.0	45.5	90.97	70-130
81 1,2,4-Trimethylben	50.0	43.3	86.68	70-130
82 sec-Butylbenzene	50.0	50.0	100.00	70-130
83 1,3-Dichlorobenzen	50.0	49.5	99.06	70-130
84 p-Isopropyltoluene	50.0	44.4	88.88	70-130
86 1,4-Dichlorobenzen	50.0	43.6	87.22	70-130
87 n-Butylbenzene	50.0	44.6	89.17	70-130
88 1,2-Dichlorobenzen	50.0	49.1	98.22	70-130
90 1,2,4-Trichloroben	50.0	50.2	100.50	70-130
93 1,2,3-Trichloroben	50.0	52.3	104.56	70-130
89 1,2-Dibromo-3-chlo	50.0	47.9	95.74	70-130
91 Hexachlorobutadien	50.0	52.8	105.57	70-130
92 Naphthalene	50.0	47.7	95.43	70-130

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.4	98.75	80-123
$ 51 Toluene-d8	50.0	51.1	102.13	80-116
$ 72 4-Bromofluorobenze	50.0	49.6	99.10	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	48.4	
74-87-3	Chloromethane	48.4	
75-01-4	Vinyl Chloride	46.9	
74-83-9	Bromomethane	72.7	
75-00-3	Chloroethane	60.6	
75-69-4	Trichlorofluoromethane	47.2	
354-23-4	1,2-dichlorotrifluoroethane	55.8	
60-29-7	Diethyl ether	109	
75-65-0	2-methyl-2-propanol	107	
107-02-8	Acrolein	928	
76-13-1	1,1,2trichlorotrifluoroethan	49.0	
75-35-4	1,1-Dichloroethene	48.9	
67-64-1	Acetone	296	
	Iodomethane	91.9	
75-15-0	Carbon Disulfide	89.8	
79-20-9	Methyl Acetate	59.3	
107-05-1	allyl chloride	102	
75-09-2	Methylene Chloride	49.2	
107-13-1	Acrylonitrile	1100	
1634-04-4	Methyl-tert-butyl ether	98.2	
156-60-5	1,2-Dichloroethene (trans)	49.8	
	n-Hexane	55.9	
75-34-3	1,1-Dichloroethane	45.3	
108-05-4	Vinyl Acetate	147	
156-59-2	1,2-Dichloroethene (cis)	46.8	
594-20-7	2,2-Dichloropropane	44.9	
78-93-3	2-Butanone	252	
74-97-5	Bromochloromethane	50.4	
	Tetrahydrofuran	42.2	
67-66-3	Chloroform	48.8	
71-55-6	1,1,1-Trichloroethane	46.3	
110-82-7	Cyclohexane	47.8	
108-21-4	isopropyl acetate	123	
56-23-5	Carbon Tetrachloride	48.8	
563-58-6	1,1-Dichloropropene	49.4	
540-84-1	2,2,4-Trimethylpentane	44.7	
71-43-2	Benzene	48.6	
107-06-2	1,2-Dichloroethane	47.1	
78-83-1	Isobutyl alcohol	4920	
79-01-6	Trichloroethene	48.8	
108-87-2	Methylcyclohexane	46.5	
78-87-5	1,2-Dichloropropane	50.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

Client SDG: a030509a.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	48.1	
80-62-6	Methyl methacrylate	45.9	
75-27-4	Bromodichloromethane	45.7	
110-75-8	2-Chloroethyl vinyl ether	38.6	
10061-01-5	cis-1,3-Dichloropropene	49.5	
108-10-1	4-Methyl-2-Pentanone	241	
108-88-3	Toluene	49.0	
10061-02-6	trans-1,3-Dichloropropene	49.0	
	Ethyl Methacrylate	48.8	
79-00-5	1,1,2-Trichloroethane	52.5	
127-18-4	Tetrachloroethene	44.0	
142-28-9	1,3-Dichloropropane	50.4	
591-78-6	2-Hexanone	286	
124-48-1	Dibromochloromethane	49.8	
106-93-4	1,2-Dibromoethane	47.9	
108-90-7	Chlorobenzene	50.1	
630-20-6	1,1,1,2-Tetrachloroethane	50.6	
100-41-4	Ethylbenzene	52.1	
7816-60-0	m&p-Xylene	107	
95-47-6	o-Xylene	54.3	
100-42-5	Styrene	47.4	
75-25-2	Bromoform	49.0	
98-82-8	Isopropylbenzene	47.8	
108-86-1	Bromobenzene	46.6	
79-34-5	1,1,2,2-Tetrachloroethane	50.5	
96-18-4	1,2,3-Trichloropropane	50.3	
	trans-1,4-Dichloro-2-butene	48.0	
103-65-1	n-Propylbenzene	51.6	
95-49-8	2-Chlorotoluene	50.2	
108-67-8	1,3,5-Trimethylbenzene	43.0	
106-43-4	4-Chlorotoluene	50.7	
98-06-6	tert-Butylbenzene	45.5	
95-63-6	1,2,4-Trimethylbenzene	43.3	
135-98-8	sec-Butylbenzene	50.0	
541-73-1	1,3-Dichlorobenzene	49.5	
99-87-6	p-Isopropyltoluene	44.4	
106-46-7	1,4-Dichlorobenzene	43.6	
104-51-8	n-Butylbenzene	44.6	
95-50-1	1,2-Dichlorobenzene	49.1	
96-12-8	1,2-Dibromo-3-chloropropane	47.9	
120-82-1	1,2,4-Trichlorobenzene	50.2	
87-68-3	Hexachlorobutadiene	52.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: icv
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info:

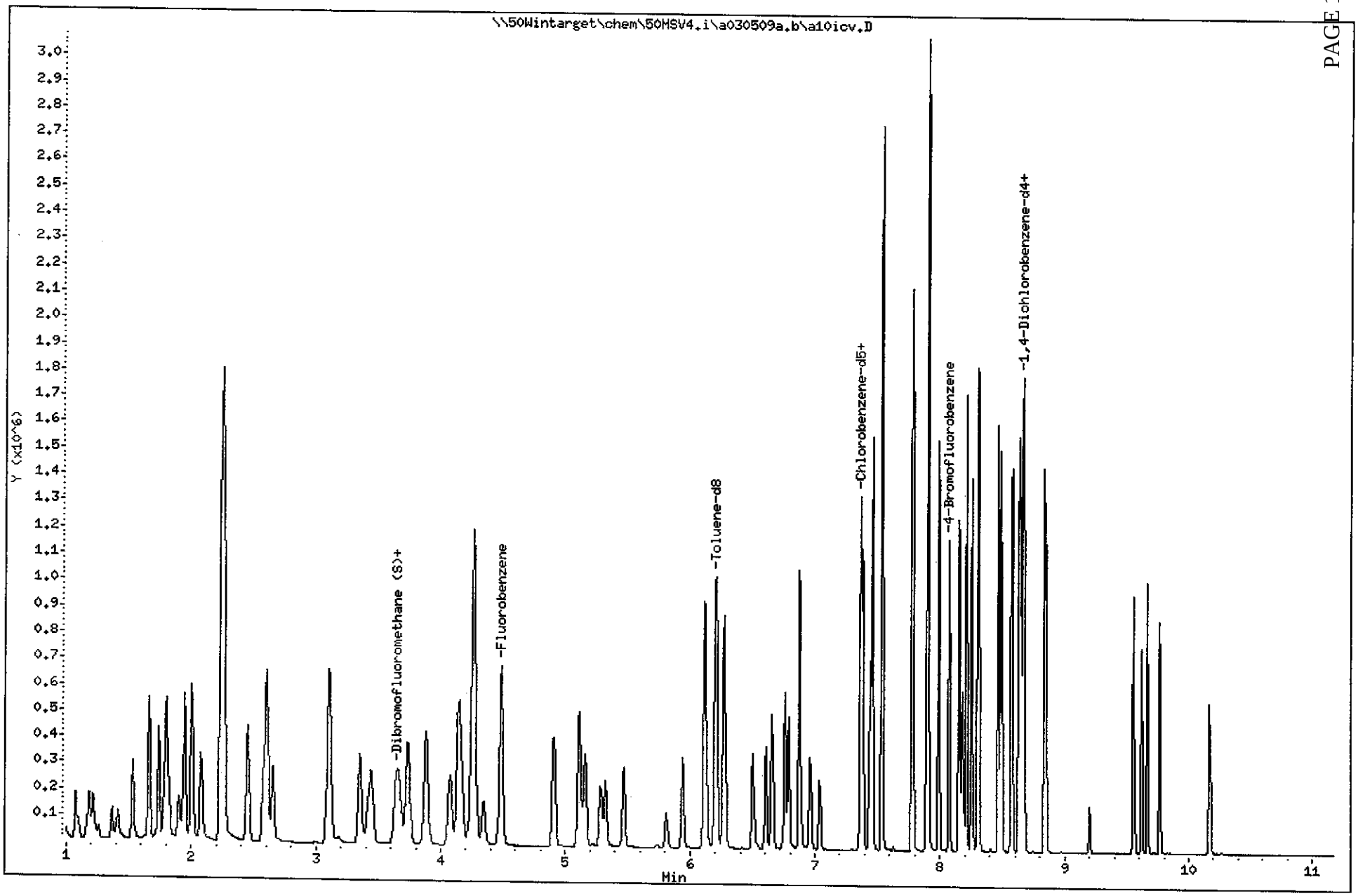
Client SDG: a030509a.b
Client Smp ID: icv
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	47.7	
87-61-6	1,2,3-Trichlorobenzene	52.3	
	2,methyl-naphthalene	44.1	
1868-53-7	Dibromofluoromethane (S)	49.4	
2037-26-5	Toluene-d8	51.1	
460-00-4	4-Bromofluorobenzene	49.6	

Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a10icv.D
Date : 05-MAR-2009 19:55
Client ID: icv
Sample Info: icv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i

Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\a030509a.b\a10icv.D

Date : 05-MAR-2009 19:55

Client ID: icv

Instrument: 50MSV4.i

Sample Info: icv

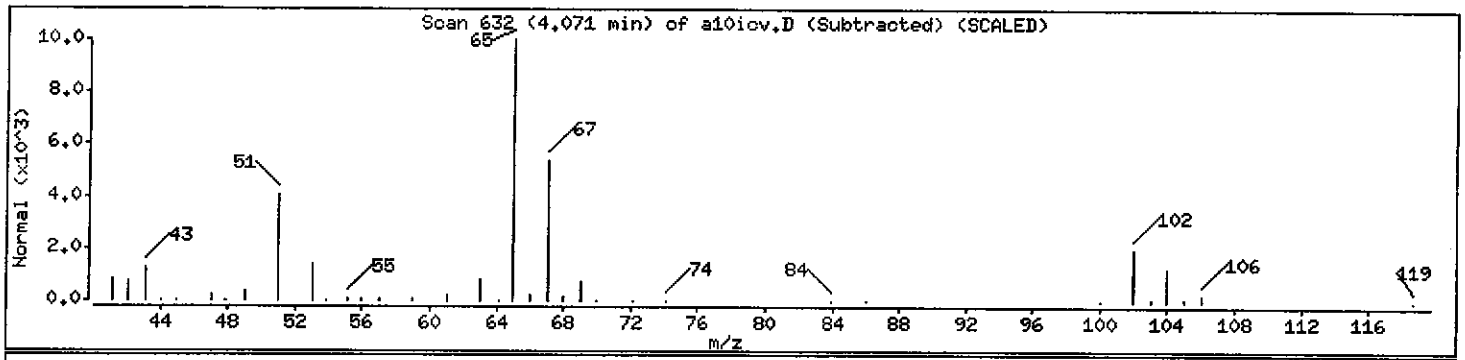
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



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VOA 8260B
GC/MS Volatiles

Section 3: Calibration Verification Data

** Calibration Verification Summary Table*
** BFB Tune Information*
** Calibration Verification Standards*

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Lab File ID: B00BFB BFB Injection Date: 04/16/09

Instrument ID: 50MSV4 BFB Injection Time: 0742

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	86.3
175	5.0 - 9.0% of mass 174	6.5 (7.5)1
176	95.0 - 101.0% of mass 174	82.7 (95.9)1
177	5.0 - 9.0% of mass 176	5.2 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	B01CCV	04/16/09	0812
02	LCS	287770	B02LCS	04/16/09	0842
03	MB	287769	B03MB	04/16/09	0911
04	00001	5025200001	B04	04/16/09	0941
05	00002	5025200002	B05	04/16/09	1011
06	00003	5025200003	B06	04/16/09	1040
07	00004	5025200004	B07	04/16/09	1110
08	00005	5025200005	B08	04/16/09	1140
09	00006	5025200006	B09	04/16/09	1210
10	MS000006	287771	B10	04/16/09	1240
11	26001	5025226001	B11	04/16/09	1310
12	26002	5025226002	B12	04/16/09	1340
13	26003	5025226003	B13	04/16/09	1411
14	21001	5025121001	B14	04/16/09	1440
15	21002	5025121002	B15	04/16/09	1510
16	95001	5025195001	B16	04/16/09	1540
17	95002	5025195002	B17	04/16/09	1609
18	95003	5025195003	B18	04/16/09	1639
19	41001	5025241001	B19	04/16/09	1709
20	53001	5025253001	B20	04/16/09	1739
21	53002	5025253002	B21	04/16/09	1808
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Instrument ID: 50MSV4 Calibration Date: 04/16/09 Time: 0812

Lab File ID: B01CCV Init. Calib. Date(s): 03/19/09 03/19/09

Heated Purge: (Y/N) N Init. Calib. Times: 0752 1124

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	52.3	50.0	AVRG	-4.6	20.0	
Chloromethane	42.9	50.0	AVRG	14.2	20.0	
Bromomethane	85.5	50.0	2ORDR	-71.0	20.0	<-
Vinyl Chloride	50.1	50.0	AVRG	-0.2	20.0	
Chloroethane	50.4	50.0	AVRG	-0.8	20.0	
Methylene Chloride	48.3	50.0	LINR	3.4	20.0	
1,1-Dichloroethene	54.5	50.0	AVRG	-9.0	20.0	
1,1-Dichloroethane	55.1	50.0	AVRG	-10.2	20.0	
1,2-Dichloroethene (trans)	59.7	50.0	AVRG	-19.4	20.0	
Chloroform	57.0	50.0	AVRG	-14.0	20.0	
1,2-Dichloroethane	50.7	50.0	AVRG	-1.4	20.0	
1,1,1-Trichloroethane	62.2	50.0	AVRG	-24.4	20.0	<-
Carbon Tetrachloride	65.8	50.0	AVRG	-31.6	20.0	<-
Bromodichloromethane	57.7	50.0	AVRG	-15.4	20.0	
1,2-Dichloropropane	49.2	50.0	AVRG	1.6	20.0	
trans-1,3-Dichloropropene	49.4	50.0	LINR	1.2	20.0	
Trichloroethene	53.6	50.0	AVRG	-7.2	20.0	
Dibromochloromethane	58.4	50.0	AVRG	-16.8	20.0	
1,1,2-Trichloroethane	51.7	50.0	AVRG	-3.4	20.0	
Benzene	55.1	50.0	AVRG	-10.2	20.0	
cis-1,3-Dichloropropene	55.4	50.0	AVRG	-10.8	20.0	
Bromoform	47.5	50.0	LINR	5.0	20.0	
Tetrachloroethene	53.5	50.0	AVRG	-7.0	20.0	
1,1,2,2-Tetrachloroethane	43.0	50.0	AVRG	14.0	20.0	
Toluene	50.6	50.0	AVRG	-1.2	20.0	
Chlorobenzene	52.1	50.0	AVRG	-4.2	20.0	
Ethylbenzene	51.1	50.0	AVRG	-2.2	20.0	
Styrene	53.6	50.0	AVRG	-7.2	20.0	
Trichlorofluoromethane	57.0	50.0	AVRG	-14.0	20.0	
m&p-Xylene	100	100	AVRG	0.0	20.0	
1,2-Dichloroethene (cis)	59.6	50.0	AVRG	-19.2	20.0	
o-Xylene	51.9	50.0	AVRG	-3.8	20.0	
1,2,3-Trichloropropane	40.6	50.0	LINR	18.8	20.0	
1,3-Dichlorobenzene	52.1	50.0	LINR	-4.2	20.0	
1,4-Dichlorobenzene	51.3	50.0	LINR	-2.6	20.0	
Dibromomethane	54.2	50.0	AVRG	-8.4	20.0	
1,2-Dichlorobenzene	47.1	50.0	LINR	5.8	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Instrument ID: 50MSV4 Calibration Date: 04/16/09 Time: 0812

Lab File ID: B01CCV Init. Calib. Date(s): 03/19/09 03/19/09

Heated Purge: (Y/N) N Init. Calib. Times: 0752 1124

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	58.6	50.0	AVRG	-17.2	20.0	
2,2-Dichloropropane	67.3	50.0	AVRG	-34.6	20.0	<-
1,1-Dichloropropene	57.4	50.0	AVRG	-14.8	20.0	
1,3-Dichloropropane	50.2	50.0	AVRG	-0.4	20.0	
1,2-Dibromoethane	53.7	50.0	AVRG	-7.4	20.0	
1,1,1,2-Tetrachloroethane	62.6	50.0	AVRG	-25.2	20.0	<-
Isopropylbenzene	53.5	50.0	LINR	-7.0	20.0	
Bromobenzene	47.6	50.0	AVRG	4.8	20.0	
n-Propylbenzene	46.0	50.0	LINR	8.0	20.0	
2-Chlorotoluene	47.9	50.0	LINR	4.2	20.0	
4-Chlorotoluene	48.6	50.0	LINR	2.8	20.0	
1,3,5-Trimethylbenzene	46.8	50.0	LINR	6.4	20.0	
tert-Butylbenzene	48.3	50.0	LINR	3.4	20.0	
1,2,4-Trimethylbenzene	46.5	50.0	LINR	7.0	20.0	
sec-Butylbenzene	51.6	50.0	LINR	-3.2	20.0	
p-Isopropyltoluene	52.0	50.0	LINR	-4.0	20.0	
n-Butylbenzene	45.4	50.0	LINR	9.2	20.0	
1,2-Dibromo-3-chloropropane	41.0	50.0	LINR	18.0	20.0	
1,2,4-Trichlorobenzene	46.8	50.0	LINR	6.4	20.0	
Hexachlorobutadiene	50.5	50.0	LINR	-1.0	20.0	
Naphthalene	39.5	50.0	LINR	21.0	20.0	<-
1,2,3-Trichlorobenzene	44.2	50.0	LINR	11.6	20.0	
Acrolein	1050	1000	AVRG	-5.0	20.0	
Carbon Disulfide	114	100	LINR	-14.0	20.0	
Acetone	219	250	LINR	12.4	20.0	
Acrylonitrile	994	1000	AVRG	0.6	20.0	
Vinyl Acetate	224	200	AVRG	-12.0	20.0	
2-Butanone	229	250	AVRG	8.4	20.0	
2-Chloroethyl vinyl ether	97.9	100	AVRG	2.1	20.0	
4-Methyl-2-Pentanone	222	250	AVRG	11.2	20.0	
2-Hexanone	226	250	AVRG	9.6	20.0	
Methyl-tert-butyl ether	110	100	AVRG	-10.0	20.0	
Iodomethane	84.9	100	2ORDR	15.1	20.0	
trans-1,4-Dichloro-2-butene	42.0	50.0	LINR	16.0	20.0	
Ethyl Methacrylate	45.6	50.0	LINR	8.8	20.0	
2,methyl-naphthalene	29.8	50.0	LINR	40.4	20.0	<-
n-Hexane	56.1	50.0	AVRG	-12.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Instrument ID: 50MSV4 Calibration Date: 04/16/09 Time: 0812

Lab File ID: B01CCV Init. Calib. Date(s): 03/19/09 03/19/09

Heated Purge: (Y/N) N Init. Calib. Times: 0752 1124

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	55.0	50.0	AVRG	-10.0	20.0	
1,2-dichlorotrifluoroethane_	51.7	50.0	AVRG	-3.4	20.0	
Tetrahydrofuran	30.4	50.0	LINR	39.2	20.0	<-
allyl chloride	89.4	100	AVRG	10.6	20.0	
Diethyl ether	102	100	AVRG	-2.0	20.0	
Isobutyl alcohol	267	250	LINR	-6.8	20.0	
Methyl methacrylate	46.6	50.0	LINR	6.8	20.0	
2-methyl-2-propanol	103	100	AVRG	-3.0	20.0	
Methyl Acetate	43.2	50.0	LINR	13.6	20.0	
Cyclohexane	56.1	50.0	AVRG	-12.2	20.0	
Methylcyclohexane	51.8	50.0	LINR	-3.6	20.0	
2,2,4-Trimethylpentane	56.5	50.0	LINR	-13.0	20.0	
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
isopropyl acetate	121	125	AVRG	3.2	20.0	
n-amyl acetate	0.000	125	AVRG	100.0	20.0	<-
chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Toluene-d8	48.2	50.0	AVRG	3.6	20.0	
4-Bromofluorobenzene	48.9	50.0	AVRG	2.2	20.0	
Dibromofluoromethane (S)	53.5	50.0	AVRG	-7.0	20.0	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b00bfb.D

Date : 16-APR-2009 07:42

Client ID: bfb050

Instrument: 50MSV4.i

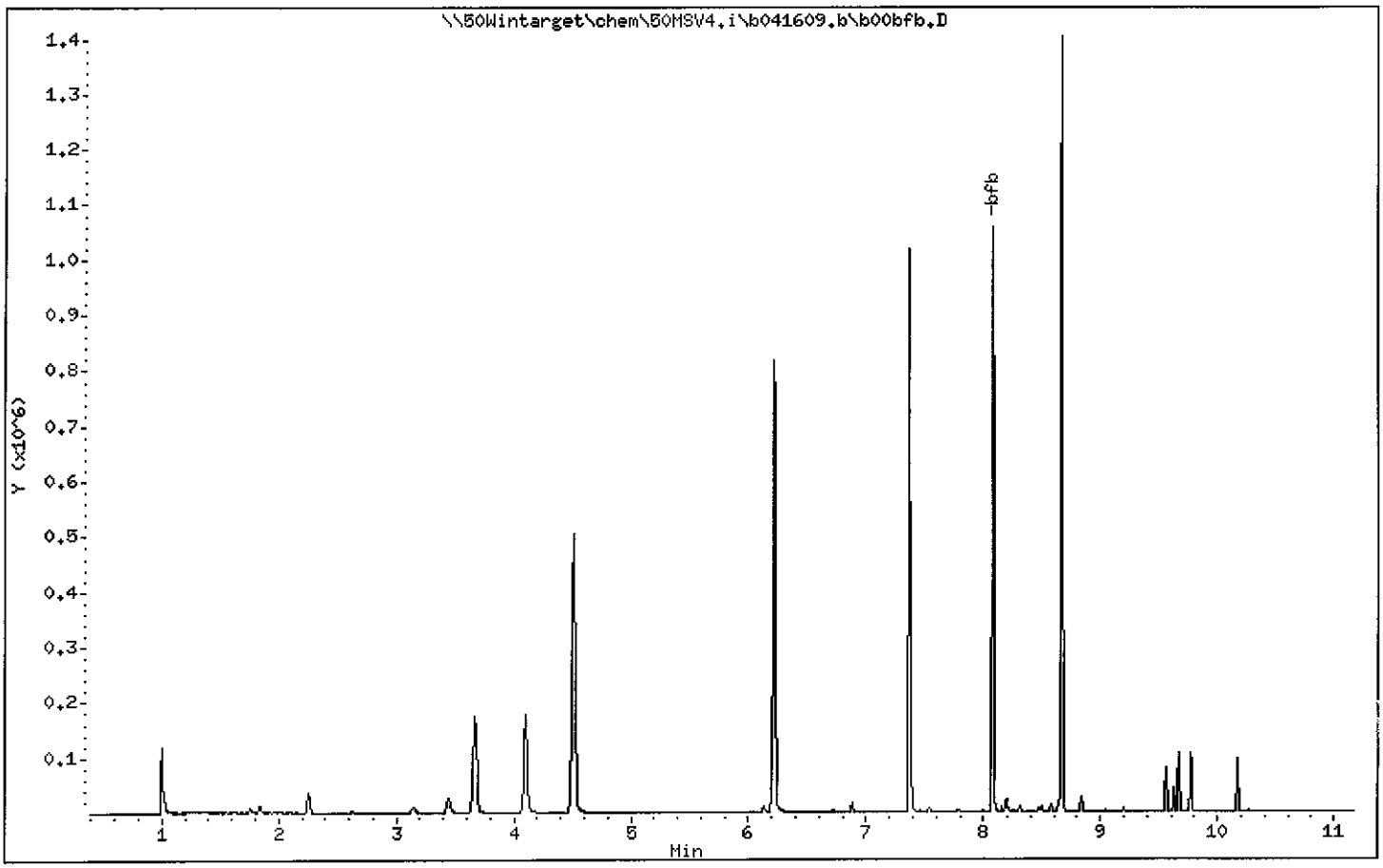
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: slb

Column phase:

Column diameter: 2.00



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b00bfb.D

Date : 16-APR-2009 07:42

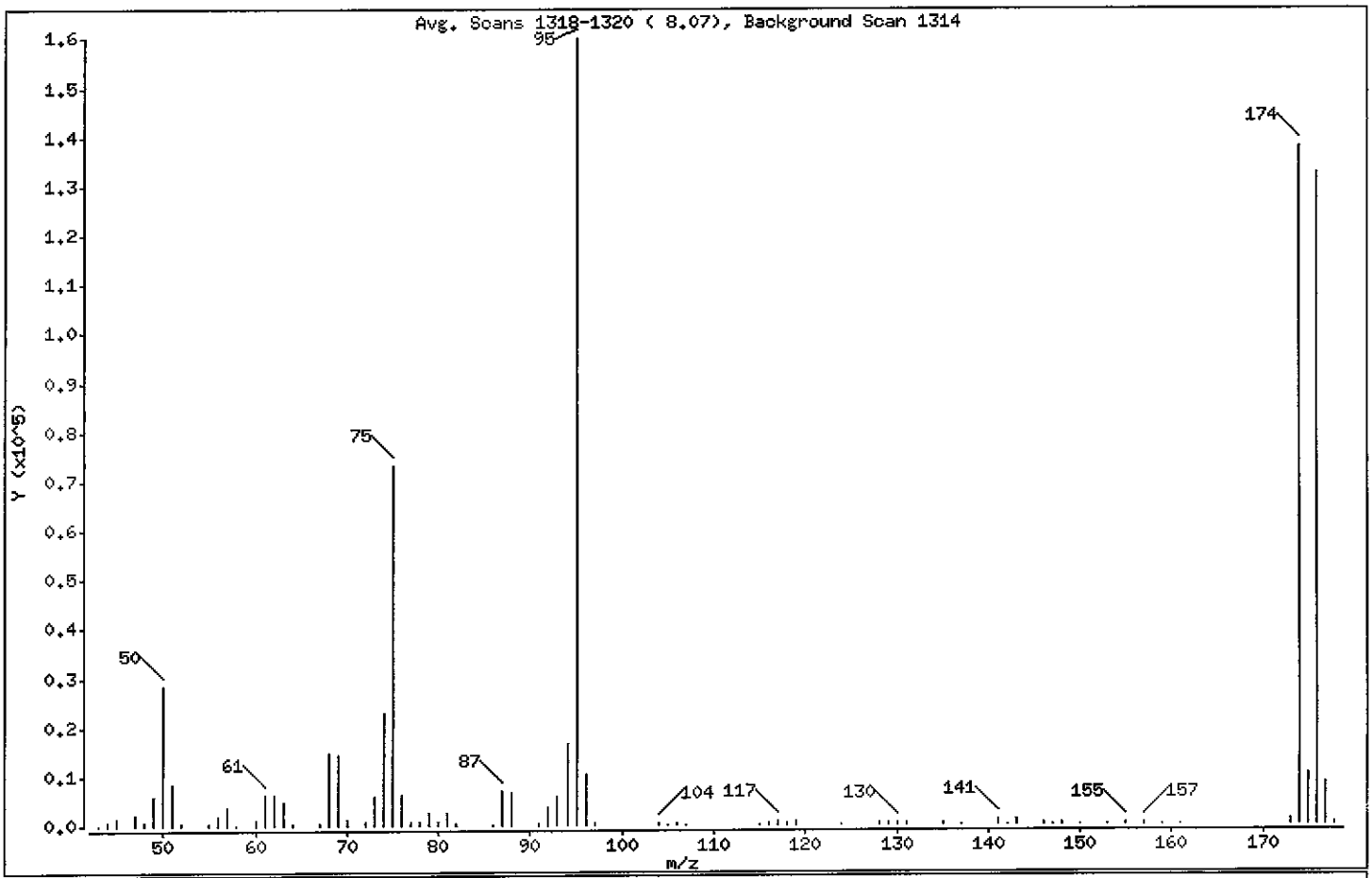
Client ID: bfb050 | Instrument: 50MSV4.i

Sample Info: bfb

Volume Injected (uL): 1.0 | Operator: slb

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	17.70
75	30.00 - 60.00% of mass 95	45.75
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.71 (0.82)
174	50.00 - 100.00% of mass 95	86.25
175	5.00 - 9.00% of mass 174	6.47 (7.50)
176	95.00 - 101.00% of mass 174	82.73 (95.92)
177	5.00 - 9.00% of mass 176	5.22 (6.31)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b00bfb.D

Date : 16-APR-2009 07:42

Client ID: bfb050

Instrument: 50MSV4.i

Sample Info: bfb

Volume Injected (uL): 1.0

Operator: slb

Column phase:

Column diameter: 2.00

Data File: b00bfb.D

Spectrum: Avg. Scans 1318-1320 (8.07), Background Scan 1314

Location of Maximum: 95.00

Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
43.00	129	69.00	14516	95.00	160128	142.00	106
44.00	685	70.00	1049	96.00	10421	143.00	1265
45.00	1369	72.00	737	97.00	318	146.00	195
47.00	2351	73.00	5938	104.00	513	147.00	65
48.00	758	74.00	22936	105.00	88	148.00	298
49.00	5877	75.00	73256	106.00	446	150.00	87
50.00	28344	76.00	6270	107.00	121	153.00	82
51.00	8551	77.00	889	115.00	57	155.00	414
52.00	359	78.00	691	116.00	451	157.00	304
55.00	432	79.00	2714	117.00	775	159.00	150
56.00	1921	80.00	736	118.00	444	161.00	142
57.00	3760	81.00	2712	119.00	604	173.00	1136
58.00	76	82.00	549	124.00	55	174.00	138112
60.00	1190	86.00	80	128.00	438	175.00	10359
61.00	6208	87.00	7001	129.00	251	176.00	132480
62.00	6154	88.00	6798	130.00	463	177.00	8360
63.00	4925	91.00	458	131.00	185	178.00	291
64.00	394	92.00	3803	135.00	205		
67.00	391	93.00	6001	137.00	160		
68.00	14601	94.00	16560	141.00	1278		

Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b01ccv.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 16-APR-2009 08:12
Operator : slb Inst ID: 50MSV4.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50VOA-ADR2

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	1.086	1.086	(0.241)	130808	50.0000	58.6
2 Chloromethane	50	1.179	1.173	(0.262)	110525	50.0000	42.9
3 Vinyl Chloride	62	1.226	1.226	(0.272)	110416	50.0000	50.1
4 Bromomethane	94	1.377	1.377	(0.306)	54498	50.0000	85.5
5 Chloroethane	64	1.424	1.424	(0.316)	54672	50.0000	50.4
6 Trichlorofluoromethane	101	1.546	1.546	(0.343)	143586	50.0000	57.0
7 1,2-dichlorotrifluoroethane	67	1.674	1.675	(0.372)	91350	50.0000	51.7
8 Diethyl ether	74	1.686	1.680	(0.374)	44495	100.000	102
18 2-methyl-2-propanol	59	1.686	1.680	(0.374)	64624	100.000	103
9 Acrolein	56	1.756	1.756	(0.390)	236823	1000.00	1050
10 1,1,2trichlorotrifluoroethane	101	1.808	1.809	(0.401)	74623	50.0000	55.0
11 1,1-Dichloroethene	96	1.820	1.820	(0.404)	72868	50.0000	54.5
12 Acetone	43	1.838	1.838	(0.408)	93745	250.000	219
13 Iodomethane	142	1.919	1.919	(0.426)	104930	100.000	84.9
14 Carbon Disulfide	76	1.960	1.960	(0.435)	443506	100.000	114
16 Methyl Acetate	43	2.024	2.024	(0.449)	49145	50.0000	43.2
15 allyl chloride	41	2.024	2.024	(0.449)	238550	100.000	89.4
17 Methylene Chloride	84	2.100	2.100	(0.466)	82231	50.0000	48.3
19 Acrylonitrile	53	2.257	2.257	(0.501)	685219	1000.00	994
20 Methyl-tert-butyl ether	73	2.281	2.275	(0.506)	496479	100.000	110
21 1,2-Dichloroethene (trans)	96	2.281	2.281	(0.506)	101927	50.0000	59.7
22 n-Hexane	57	2.473	2.479	(0.549)	137222	50.0000	56.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 1,1-Dichloroethane	63	2.601	2.601	(0.577)	202596	50.0000	55.1
	24 Vinyl Acetate	43	2.630	2.630	(0.584)	828393	200.000	224
	26 1,2-Dichloroethene (cis)	96	3.126	3.126	(0.694)	119985	50.0000	59.6
	27 2,2-Dichloropropane	77	3.126	3.132	(0.694)	130480	50.0000	67.3
	28 2-Butanone	43	3.143	3.143	(0.697)	208146	250.000	229
	30 Bromochloromethane	49	3.382	3.382	(0.750)	97567	50.0000	52.3
	31 Tetrahydrofuran	42	3.440	3.446	(0.763)	51841	50.0000	30.4
	32 Chloroform	83	3.470	3.476	(0.770)	190344	50.0000	57.0
$	33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	129868	50.0000	53.5
	34 1,1,1-Trichloroethane	97	3.697	3.697	(0.820)	150152	50.0000	62.2
	35 Cyclohexane	56	3.761	3.767	(0.834)	173310	50.0000	56.1
	145 isopropyl acetate	61	1.226	1.226	(0.272)	9065	125.000	121
	36 Carbon Tetrachloride	117	3.907	3.907	(0.867)	126500	50.0000	65.8
	37 1,1-Dichloropropene	75	3.907	3.907	(0.867)	146477	50.0000	57.4
	39 Benzene	78	4.169	4.169	(0.925)	442175	50.0000	55.1
	141 2,2,4-Trimethylpentane	57	4.268	4.268	(0.947)	313615	50.0000	56.5
	40 1,2-Dichloroethane	62	4.192	4.198	(0.930)	132879	50.0000	50.7
	38 Isobutyl alcohol	43	4.274	4.268	(0.948)	55521	250.000	267
*	41 Fluorobenzene	96	4.507	4.507	(1.000)	508186	50.0000	
	42 Trichloroethene	95	4.927	4.927	(1.093)	105383	50.0000	53.6
	43 Methylcyclohexane	55	5.131	5.131	(1.138)	126926	50.0000	51.8
	44 1,2-Dichloropropane	63	5.177	5.178	(1.149)	105965	50.0000	49.2
	45 Dibromomethane	93	5.300	5.300	(1.176)	59071	50.0000	54.2
	46 Methyl methacrylate	69	5.335	5.341	(1.184)	59013	50.0000	46.6
	47 Bromodichloromethane	83	5.480	5.487	(1.216)	139248	50.0000	57.7
	48 2-Chloroethyl vinyl ether	63	5.824	5.825	(0.790)	127745	100.000	97.9
	49 cis-1,3-Dichloropropene	75	5.953	5.953	(0.808)	161416	50.0000	55.4
	50 4-Methyl-2-Pentanone	43	6.133	6.133	(0.832)	406632	250.000	222
$	51 Toluene-d8	98	6.215	6.215	(0.843)	489440	50.0000	48.2
	52 Toluene	91	6.285	6.285	(0.853)	442543	50.0000	50.6
	53 trans-1,3-Dichloropropene	75	6.512	6.512	(0.884)	136857	50.0000	49.4
	54 Ethyl Methacrylate	69	6.611	6.617	(0.897)	111227	50.0000	45.6
	55 1,1,2-Trichloroethane	83	6.664	6.670	(0.904)	72416	50.0000	51.7
	56 Tetrachloroethene	166	6.769	6.769	(0.919)	121134	50.0000	53.5
	57 1,3-Dichloropropane	76	6.798	6.798	(0.922)	149081	50.0000	50.2
	58 2-Hexanone	43	6.885	6.885	(0.934)	277444	250.000	226
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	100566	50.0000	58.4
	60 1,2-Dibromoethane	107	7.043	7.049	(0.956)	89375	50.0000	53.7
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	381161	50.0000	
	62 Chlorobenzene	112	7.392	7.392	(1.003)	297619	50.0000	52.1
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	106607	50.0000	62.6
	64 Ethylbenzene	106	7.468	7.468	(1.013)	156737	50.0000	51.1
	65 m&p-Xylene	106	7.544	7.544	(1.024)	384166	100.000	100
	67 o-Xylene	106	7.783	7.777	(1.056)	188212	50.0000	51.9
	68 Styrene	104	7.789	7.789	(1.057)	329001	50.0000	53.6
	69 Bromoform	173	7.894	7.894	(0.911)	64901	50.0000	47.5
	70 Isopropylbenzene	105	7.993	7.993	(1.085)	476609	50.0000	53.5
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	191321	50.0000	48.9
	74 Bromobenzene	77	8.156	8.156	(1.107)	186450	50.0000	47.6
	73 1,1,2,2-Tetrachloroethane	83	8.162	8.156	(0.942)	104781	50.0000	43.0
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	112673	50.0000	40.6
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	26700	50.0000	42.0
	76 n-Propylbenzene	91	8.214	8.214	(0.948)	559786	50.0000	46.0
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	343109	50.0000	47.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	377535	50.0000	46.8
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	121238	50.0000	48.6
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	416273	50.0000	48.3
81 1,2,4-Trimethylbenzene	105	8.494	8.488	(0.980)	383142	50.0000	46.5
82 sec-Butylbenzene	105	8.575	8.576	(0.990)	515450	50.0000	51.6
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	237894	50.0000	52.1
84 p-Isopropyltoluene	119	8.645	8.640	(0.998)	437045	50.0000	52.0
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	237427	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	245566	50.0000	51.3
87 n-Butylbenzene	91	8.838	8.832	(1.020)	347574	50.0000	45.4
88 1,2-Dichlorobenzene	146	8.849	8.850	(1.022)	200318	50.0000	47.1
89 1,2-Dibromo-3-chloropropane	155	9.205	9.199	(1.063)	15116	50.0000	41.0
90 1,2,4-Trichlorobenzene	180	9.561	9.555	(1.104)	128843	50.0000	46.8
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	64022	50.0000	50.5
92 Naphthalene	128	9.665	9.666	(1.116)	263656	50.0000	39.5
93 1,2,3-Trichlorobenzene	180	9.770	9.765	(1.128)	105922	50.0000	44.2
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	80818	50.0000	29.8

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b01ccv.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info:

Calibration Date: 15-APR-2009
Calibration Time: 07:38
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	508186	-24.89
61 Chlorobenzene-d5	494899	247450	989798	381161	-22.98
85 1,4-Dichlorobenze	266439	133220	532878	237427	-10.89

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.13
61 Chlorobenzene-d5	7.38	6.88	7.88	7.37	-0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 16-APR-2009 08:12
Lab File ID: b01ccv.D Init. Cal. Date(s): 19-MAR-2009 19-MAR-2009
Analysis Type: WATER Init. Cal. Times: 07:52 11:24
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.21945	0.25740	0.25740	0.100	17.29332	20.00000	Averaged	
2 Chloromethane	0.25349	0.21749	0.21749	0.100	-14.20297	20.00000	Averaged	
3 Vinyl Chloride	0.21687	0.21727	0.21727	0.100	0.18831	20.00000	Averaged	
4 Bromomethane	50.00000	85.46693	0.10724	0.100	70.93386	0.000e+000	Quadratic	
5 Chloroethane	0.10683	0.10758	0.10758	0.100	0.70869	20.00000	Averaged	
6 Trichlorofluoromethane	0.24763	0.28255	0.28255	0.100	14.09980	20.00000	Averaged	
7 1,2-dichlorotrifluoroethane	0.17392	0.17976	0.17976	0.100	3.35345	20.00000	Averaged	
8 Diethyl ether	0.04278	0.04378	0.04378	0.100	2.32667	20.00000	Averaged	
18 2-methyl-2-propanol	0.06148	0.06358	0.06358	0.100	3.41445	20.00000	Averaged	
9 Acrolein	0.02218	0.02330	0.02330	0.100	5.02970	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	0.13342	0.14684	0.14684	0.100	10.06074	20.00000	Averaged	
11 1,1-Dichloroethene	0.13149	0.14339	0.14339	0.100	9.04978	20.00000	Averaged	
12 Acetone	250	219	0.03689	0.100	-12.54791	0.000e+000	Linear	
143 Acetonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
13 Iodomethane	100	84.92506	0.10324	0.100	-15.07494	0.000e+000	Quadratic	
14 Carbon Disulfide	100	114	0.43636	0.100	14.11236	0.000e+000	Linear	
16 Methyl Acetate	50.00000	43.16861	0.09671	0.100	-13.66279	0.000e+000	Linear	
15 allyl chloride	0.26252	0.23471	0.23471	0.100	-10.59288	20.00000	Averaged	
17 Methylene Chloride	50.00000	48.31850	0.16181	0.100	-3.36299	0.000e+000	Linear	
19 Acrylonitrile	0.06779	0.06742	0.06742	0.100	-0.54595	20.00000	Averaged	
20 Methyl-tert-butyl ether	0.44201	0.48848	0.48848	0.100	10.51314	20.00000	Averaged	
21 1,2-Dichloroethene (trans)	0.16808	0.20057	0.20057	0.100	19.33265	20.00000	Averaged	
22 n-Hexane	0.24066	0.27002	0.27002	0.100	12.20255	20.00000	Averaged	
147 chloroprene	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
23 1,1-Dichloroethane	0.36193	0.39867	0.39867	0.100	10.14913	20.00000	Averaged	
24 Vinyl Acetate	0.36415	0.40752	0.40752	0.100	11.91110	20.00000	Averaged	
26 1,2-Dichloroethene (cis)	0.19789	0.23610	0.23610	0.100	19.31393	20.00000	Averaged	
27 2,2-Dichloropropane	0.19086	0.25676	0.25676	0.100	34.52582	20.00000	Averaged	<-
28 2-Butanone	0.08925	0.08192	0.08192	0.100	-8.22038	20.00000	Averaged	
144 Methacrylonitrile	0.03519	++++	++++	0.100	++++	20.00000	Averaged	<-
30 Bromochloromethane	0.18352	0.19199	0.19199	0.100	4.61715	20.00000	Averaged	
31 Tetrahydrofuran	50.00000	30.40308	0.10201	0.100	-39.19384	0.000e+000	Linear	
32 Chloroform	0.32857	0.37456	0.37456	0.100	13.99687	20.00000	Averaged	
$ 33 Dibromofluoromethane (S)	0.23874	0.25555	0.25555	0.100	7.04286	20.00000	Averaged	
34 1,1,1-Trichloroethane	0.23754	0.29547	0.29547	0.100	24.38591	20.00000	Averaged	<-
35 Cyclohexane	0.30372	0.34104	0.34104	0.100	12.28649	20.00000	Averaged	
145 isopropyl acetate	0.00736	0.00714	0.00714	0.100	-3.10939	20.00000	Averaged	
36 Carbon Tetrachloride	0.18916	0.24892	0.24892	0.100	31.59138	20.00000	Averaged	<-
37 1,1-Dichloropropene	0.25096	0.28824	0.28824	0.100	14.85345	20.00000	Averaged	
39 Benzene	0.78978	0.87010	0.87010	0.100	10.17103	20.00000	Averaged	
141 2,2,4-Trimethylpentane	50.00000	56.46982	0.61713	0.100	12.93965	0.000e+000	Linear	
40 1,2-Dichloroethane	0.25770	0.26148	0.26148	0.100	1.46667	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 16-APR-2009 08:12
Lab File ID: b01ccv.D Init. Cal. Date(s): 19-MAR-2009 19-MAR-2009
Analysis Type: WATER Init. Cal. Times: 07:52 11:24
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	250	267	0.02185	0.100	6.64140	0.000e+000	Linear	
42 Trichloroethene	0.19336	0.20737	0.20737	0.100	7.24699	20.00000	Averaged	
43 Methylcyclohexane	50.00000	51.85360	0.24976	0.100	3.70720	0.000e+000	Linear	
142 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
44 1,2-Dichloropropane	0.21196	0.20852	0.20852	0.100	-1.62685	20.00000	Averaged	
45 Dibromomethane	0.10721	0.11624	0.11624	0.100	8.42537	20.00000	Averaged	
46 Methyl methacrylate	50.00000	46.62694	0.11612	0.100	-6.74612	0.000e+000	Linear	
47 Bromodichloromethane	0.23729	0.27401	0.27401	0.100	15.47471	20.00000	Averaged	
48 2-Chloroethyl vinyl ether	0.17119	0.16757	0.16757	0.100	-2.11031	20.00000	Averaged	
49 cis-1,3-Dichloropropene	0.38209	0.42349	0.42349	0.100	10.83371	20.00000	Averaged	
50 4-Methyl-2-Pentanone	0.23986	0.21336	0.21336	0.100	-11.04754	20.00000	Averaged	
$ 51 Toluene-d8	1.33209	1.28408	1.28408	0.100	-3.60454	20.00000	Averaged	
52 Toluene	1.14637	1.16104	1.16104	0.100	1.27965	20.00000	Averaged	
53 trans-1,3-Dichloropropene	50.00000	49.38333	0.35905	0.100	-1.23334	0.000e+000	Linear	
54 Ethyl Methacrylate	50.00000	45.64003	0.29181	0.100	-8.71994	0.000e+000	Linear	
55 1,1,2-Trichloroethane	0.18385	0.18999	0.18999	0.100	3.33720	20.00000	Averaged	
56 Tetrachloroethene	0.29682	0.31780	0.31780	0.100	7.06769	20.00000	Averaged	
57 1,3-Dichloropropane	0.38974	0.39112	0.39112	0.100	0.35507	20.00000	Averaged	
58 2-Hexanone	0.16127	0.14558	0.14558	0.100	-9.73056	20.00000	Averaged	
59 Dibromochloromethane	0.22572	0.26384	0.26384	0.100	16.88859	20.00000	Averaged	
60 1,2-Dibromoethane	0.21821	0.23448	0.23448	0.100	7.45873	20.00000	Averaged	
62 Chlorobenzene	0.74915	0.78082	0.78082	0.100	4.22752	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	0.22319	0.27969	0.27969	0.100	25.31751	20.00000	Averaged	<-
64 Ethylbenzene	0.40262	0.41121	0.41121	0.100	2.13298	20.00000	Averaged	
65 m&p-Xylene	0.50294	0.50394	0.50394	0.100	0.19875	20.00000	Averaged	
67 o-Xylene	0.47552	0.49379	0.49379	0.100	3.84213	20.00000	Averaged	
68 Styrene	0.80436	0.86315	0.86315	0.100	7.31007	20.00000	Averaged	
69 Bromoform	50.00000	47.46507	0.27335	0.100	-5.06987	0.000e+000	Linear	
70 Isopropylbenzene	50.00000	53.48593	1.25041	0.100	6.97186	0.000e+000	Linear	
$ 72 4-Bromofluorobenzene	0.51304	0.50194	0.50194	0.100	-2.16373	20.00000	Averaged	
74 Bromobenzene	0.51418	0.48916	0.48916	0.100	-4.86514	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	0.51256	0.44132	0.44132	0.100	-13.89963	20.00000	Averaged	
75 1,2,3-Trichloropropane	50.00000	40.57705	0.47456	0.100	-18.84590	0.000e+000	Linear	
71 trans-1,4-Dichloro-2-butene	50.00000	42.01016	0.07005	0.100	-15.97968	0.000e+000	Linear	
76 n-Propylbenzene	50.00000	45.96316	2.35772	0.100	-8.07369	0.000e+000	Linear	
77 2-Chlorotoluene	50.00000	47.94123	1.44511	0.100	-4.11755	0.000e+000	Linear	
78 1,3,5-Trimethylbenzene	50.00000	46.75121	1.59011	0.100	-6.49758	0.000e+000	Linear	
79 4-Chlorotoluene	50.00000	48.57861	0.51063	0.100	-2.84278	0.000e+000	Linear	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert-Butylbenzene	50.00000	48.31963	1.75327	0.100	-3.36073	0.000e+000	Linear	
81 1,2,4-Trimethylbenzene	50.00000	46.51450	1.61373	0.100	-6.97100	0.000e+000	Linear	
82 sec-Butylbenzene	50.00000	51.61880	2.17098	0.100	3.23760	0.000e+000	Linear	

Pace Analytical Services, Inc.

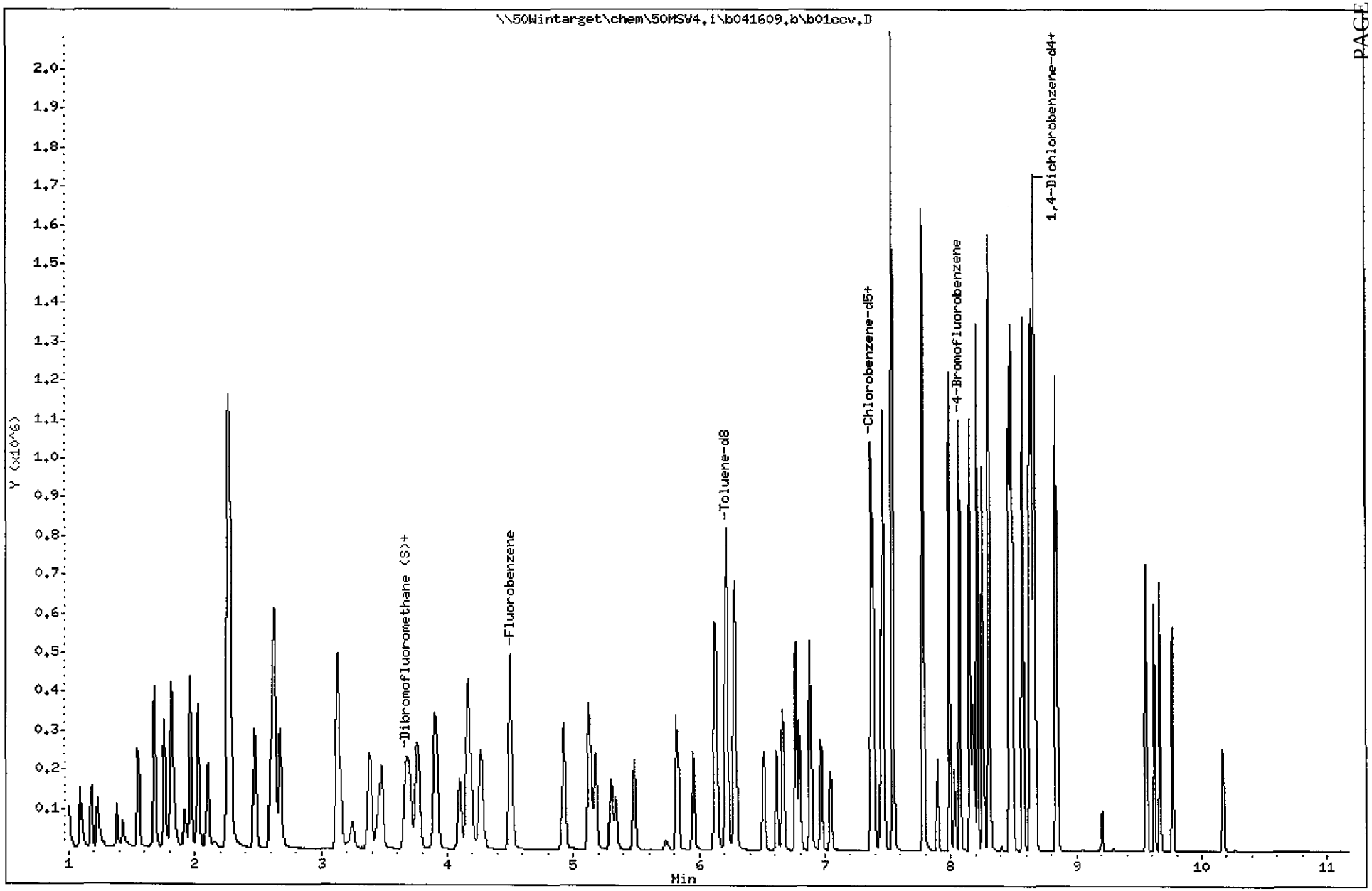
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 16-APR-2009 08:12
Lab File ID: b01ccv.D Init. Cal. Date(s): 19-MAR-2009 19-MAR-2009
Analysis Type: WATER Init. Cal. Times: 07:52 11:24
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
83 1,3-Dichlorobenzene	50.00000	52.09906	1.00197	0.100	4.19812	0.000e+000	Linear
84 p-Isopropyltoluene	50.00000	52.04852	1.84076	0.100	4.09703	0.000e+000	Linear
86 1,4-Dichlorobenzene	50.00000	51.34485	1.03428	0.100	2.68970	0.000e+000	Linear
87 n-Butylbenzene	50.00000	45.42784	1.46392	0.100	-9.14432	0.000e+000	Linear
88 1,2-Dichlorobenzene	50.00000	47.11141	0.84370	0.100	-5.77718	0.000e+000	Linear
89 1,2-Dibromo-3-chloropropane	50.00000	41.02501	0.06367	0.100	-17.94998	0.000e+000	Linear
90 1,2,4-Trichlorobenzene	50.00000	46.81810	0.54266	0.100	-6.36381	0.000e+000	Linear
91 Hexachlorobutadiene	50.00000	50.47220	0.26965	0.100	0.94440	0.000e+000	Linear
92 Naphthalene	50.00000	39.54781	1.11047	0.100	-20.90437	0.000e+000	Linear
93 1,2,3-Trichlorobenzene	50.00000	44.15312	0.44612	0.100	-11.69376	0.000e+000	Linear
94 2,methyl-naphthalene	50.00000	29.78982	0.34039	0.100	-40.42036	0.000e+000	Linear

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b01ccv.D
Date : 16-APR-2009 08:12
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Lab File ID: B00BFB BFB Injection Date: 04/16/09

Instrument ID: 50MSV4 BFB Injection Time: 0742

GC Column: ID: 2.00 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100.0
95	100.0 - 100.0% of mass 95	100.0
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8)1
174	50.0 - 100.0% of mass 95	86.3
175	5.0 - 9.0% of mass 174	6.5 (7.5)1
176	95.0 - 101.0% of mass 174	82.7 (95.9)1
177	5.0 - 9.0% of mass 176	5.2 (6.3)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV	CCV	B01CCV	04/16/09	0812
02	LCS	287770	B02LCS	04/16/09	0842
03	MB	287769	B03MB	04/16/09	0911
04	00001	5025200001	B04	04/16/09	0941
05	00002	5025200002	B05	04/16/09	1011
06	00003	5025200003	B06	04/16/09	1040
07	00004	5025200004	B07	04/16/09	1110
08	00005	5025200005	B08	04/16/09	1140
09	00006	5025200006	B09	04/16/09	1210
10	MS000006	287771	B10	04/16/09	1240
11	26001	5025226001	B11	04/16/09	1310
12	26002	5025226002	B12	04/16/09	1340
13	26003	5025226003	B13	04/16/09	1411
14	21001	5025121001	B14	04/16/09	1440
15	21002	5025121002	B15	04/16/09	1510
16	95001	5025195001	B16	04/16/09	1540
17	95002	5025195002	B17	04/16/09	1609
18	95003	5025195003	B18	04/16/09	1639
19	41001	5025241001	B19	04/16/09	1709
20	53001	5025253001	B20	04/16/09	1739
21	53002	5025253002	B21	04/16/09	1808
22					

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Instrument ID: 50MSV4 Calibration Date: 04/16/09 Time: 0812

Lab File ID: B01CCV Init. Calib. Date(s): 03/19/09 03/19/09

Heated Purge: (Y/N) N Init. Calib. Times: 0752 1124

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Bromochloromethane	52.3	50.0	AVRG	-4.6	20.0	
Chloromethane	42.9	50.0	AVRG	14.2	20.0	
Bromomethane	85.5	50.0	2ORDR	-71.0	20.0	<-
Vinyl Chloride	50.1	50.0	AVRG	-0.2	20.0	
Chloroethane	50.4	50.0	AVRG	-0.8	20.0	
Methylene Chloride	48.3	50.0	LINR	3.4	20.0	
1,1-Dichloroethene	54.5	50.0	AVRG	-9.0	20.0	
1,1-Dichloroethane	55.1	50.0	AVRG	-10.2	20.0	
1,2-Dichloroethene (trans)	59.7	50.0	AVRG	-19.4	20.0	
Chloroform	57.0	50.0	AVRG	-14.0	20.0	
1,2-Dichloroethane	50.7	50.0	AVRG	-1.4	20.0	
1,1,1-Trichloroethane	62.2	50.0	AVRG	-24.4	20.0	<-
Carbon Tetrachloride	65.8	50.0	AVRG	-31.6	20.0	<-
Bromodichloromethane	57.7	50.0	AVRG	-15.4	20.0	
1,2-Dichloropropane	49.2	50.0	AVRG	1.6	20.0	
trans-1,3-Dichloropropene	49.4	50.0	LINR	1.2	20.0	
Trichloroethene	53.6	50.0	AVRG	-7.2	20.0	
Dibromochloromethane	58.4	50.0	AVRG	-16.8	20.0	
1,1,2-Trichloroethane	51.7	50.0	AVRG	-3.4	20.0	
Benzene	55.1	50.0	AVRG	-10.2	20.0	
cis-1,3-Dichloropropene	55.4	50.0	AVRG	-10.8	20.0	
Bromoform	47.5	50.0	LINR	5.0	20.0	
Tetrachloroethene	53.5	50.0	AVRG	-7.0	20.0	
1,1,2,2-Tetrachloroethane	43.0	50.0	AVRG	14.0	20.0	
Toluene	50.6	50.0	AVRG	-1.2	20.0	
Chlorobenzene	52.1	50.0	AVRG	-4.2	20.0	
Ethylbenzene	51.1	50.0	AVRG	-2.2	20.0	
Styrene	53.6	50.0	AVRG	-7.2	20.0	
Trichlorofluoromethane	57.0	50.0	AVRG	-14.0	20.0	
m&p-Xylene	100	100	AVRG	0.0	20.0	
1,2-Dichloroethene (cis)	59.6	50.0	AVRG	-19.2	20.0	
o-Xylene	51.9	50.0	AVRG	-3.8	20.0	
1,2,3-Trichloropropane	40.6	50.0	LINR	18.8	20.0	
1,3-Dichlorobenzene	52.1	50.0	LINR	-4.2	20.0	
1,4-Dichlorobenzene	51.3	50.0	LINR	-2.6	20.0	
Dibromomethane	54.2	50.0	AVRG	-8.4	20.0	
1,2-Dichlorobenzene	47.1	50.0	LINR	5.8	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Instrument ID: 50MSV4 Calibration Date: 04/16/09 Time: 0812

Lab File ID: B01CCV Init. Calib. Date(s): 03/19/09 03/19/09

Heated Purge: (Y/N) N Init. Calib. Times: 0752 1124

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
Dichlorodifluoromethane	58.6	50.0	AVRG	-17.2	20.0	
2,2-Dichloropropane	67.3	50.0	AVRG	-34.6	20.0	<-
1,1-Dichloropropene	57.4	50.0	AVRG	-14.8	20.0	
1,3-Dichloropropane	50.2	50.0	AVRG	-0.4	20.0	
1,2-Dibromoethane	53.7	50.0	AVRG	-7.4	20.0	
1,1,1,2-Tetrachloroethane	62.6	50.0	AVRG	-25.2	20.0	<-
Isopropylbenzene	53.5	50.0	LINR	-7.0	20.0	
Bromobenzene	47.6	50.0	AVRG	4.8	20.0	
n-Propylbenzene	46.0	50.0	LINR	8.0	20.0	
2-Chlorotoluene	47.9	50.0	LINR	4.2	20.0	
4-Chlorotoluene	48.6	50.0	LINR	2.8	20.0	
1,3,5-Trimethylbenzene	46.8	50.0	LINR	6.4	20.0	
tert-Butylbenzene	48.3	50.0	LINR	3.4	20.0	
1,2,4-Trimethylbenzene	46.5	50.0	LINR	7.0	20.0	
sec-Butylbenzene	51.6	50.0	LINR	-3.2	20.0	
p-Isopropyltoluene	52.0	50.0	LINR	-4.0	20.0	
n-Butylbenzene	45.4	50.0	LINR	9.2	20.0	
1,2-Dibromo-3-chloropropane	41.0	50.0	LINR	18.0	20.0	
1,2,4-Trichlorobenzene	46.8	50.0	LINR	6.4	20.0	
Hexachlorobutadiene	50.5	50.0	LINR	-1.0	20.0	
Naphthalene	39.5	50.0	LINR	21.0	20.0	<-
1,2,3-Trichlorobenzene	44.2	50.0	LINR	11.6	20.0	
Acrolein	1050	1000	AVRG	-5.0	20.0	
Carbon Disulfide	114	100	LINR	-14.0	20.0	
Acetone	219	250	LINR	12.4	20.0	
Acrylonitrile	994	1000	AVRG	0.6	20.0	
Vinyl Acetate	224	200	AVRG	-12.0	20.0	
2-Butanone	229	250	AVRG	8.4	20.0	
2-Chloroethyl vinyl ether	97.9	100	AVRG	2.1	20.0	
4-Methyl-2-Pentanone	222	250	AVRG	11.2	20.0	
2-Hexanone	226	250	AVRG	9.6	20.0	
Methyl-tert-butyl ether	110	100	AVRG	-10.0	20.0	
Iodomethane	84.9	100	2ORDR	15.1	20.0	
trans-1,4-Dichloro-2-butene	42.0	50.0	LINR	16.0	20.0	
Ethyl Methacrylate	45.6	50.0	LINR	8.8	20.0	
2,methyl-naphthalene	29.8	50.0	LINR	40.4	20.0	<-
n-Hexane	56.1	50.0	AVRG	-12.2	20.0	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: B041609.B

Instrument ID: 50MSV4 Calibration Date: 04/16/09 Time: 0812

Lab File ID: B01CCV Init. Calib. Date(s): 03/19/09 03/19/09

Heated Purge: (Y/N) N Init. Calib. Times: 0752 1124

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

COMPOUND	SAMPLE AMOUNT	CAL50 AMOUNT	CURVE	%D	MAX %d	
1,1,2trichlorotrifluoroethan	55.0	50.0	AVRG	-10.0	20.0	
1,2-dichlorotrifluoroethane	51.7	50.0	AVRG	-3.4	20.0	
Tetrahydrofuran	30.4	50.0	LINR	39.2	20.0	<-
allyl chloride	89.4	100	AVRG	10.6	20.0	
Diethyl ether	102	100	AVRG	-2.0	20.0	
Isobutyl alcohol	267	250	LINR	-6.8	20.0	
Methyl methacrylate	46.6	50.0	LINR	6.8	20.0	
2-methyl-2-propanol	103	100	AVRG	-3.0	20.0	
Methyl Acetate	43.2	50.0	LINR	13.6	20.0	
Cyclohexane	56.1	50.0	AVRG	-12.2	20.0	
Methylcyclohexane	51.8	50.0	LINR	-3.6	20.0	
2,2,4-Trimethylpentane	56.5	50.0	LINR	-13.0	20.0	
1,4-Dioxane	0.000	1000	AVRG	100.0	20.0	<-
Acetonitrile	0.000	1000	AVRG	100.0	20.0	<-
Methacrylonitrile	0.000	250	AVRG	100.0	20.0	<-
isopropyl acetate	121	125	AVRG	3.2	20.0	
n-amyl acetate	0.000	125	AVRG	100.0	20.0	<-
chloroprene	0.000	50.0	AVRG	100.0	20.0	<-
Toluene-d8	48.2	50.0	AVRG	3.6	20.0	
4-Bromofluorobenzene	48.9	50.0	AVRG	2.2	20.0	
Dibromofluoromethane (S)	53.5	50.0	AVRG	-7.0	20.0	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d00bfb.D

Date : 16-APR-2009 18:38

Client ID: bfb050

Instrument: 50MSV4.i

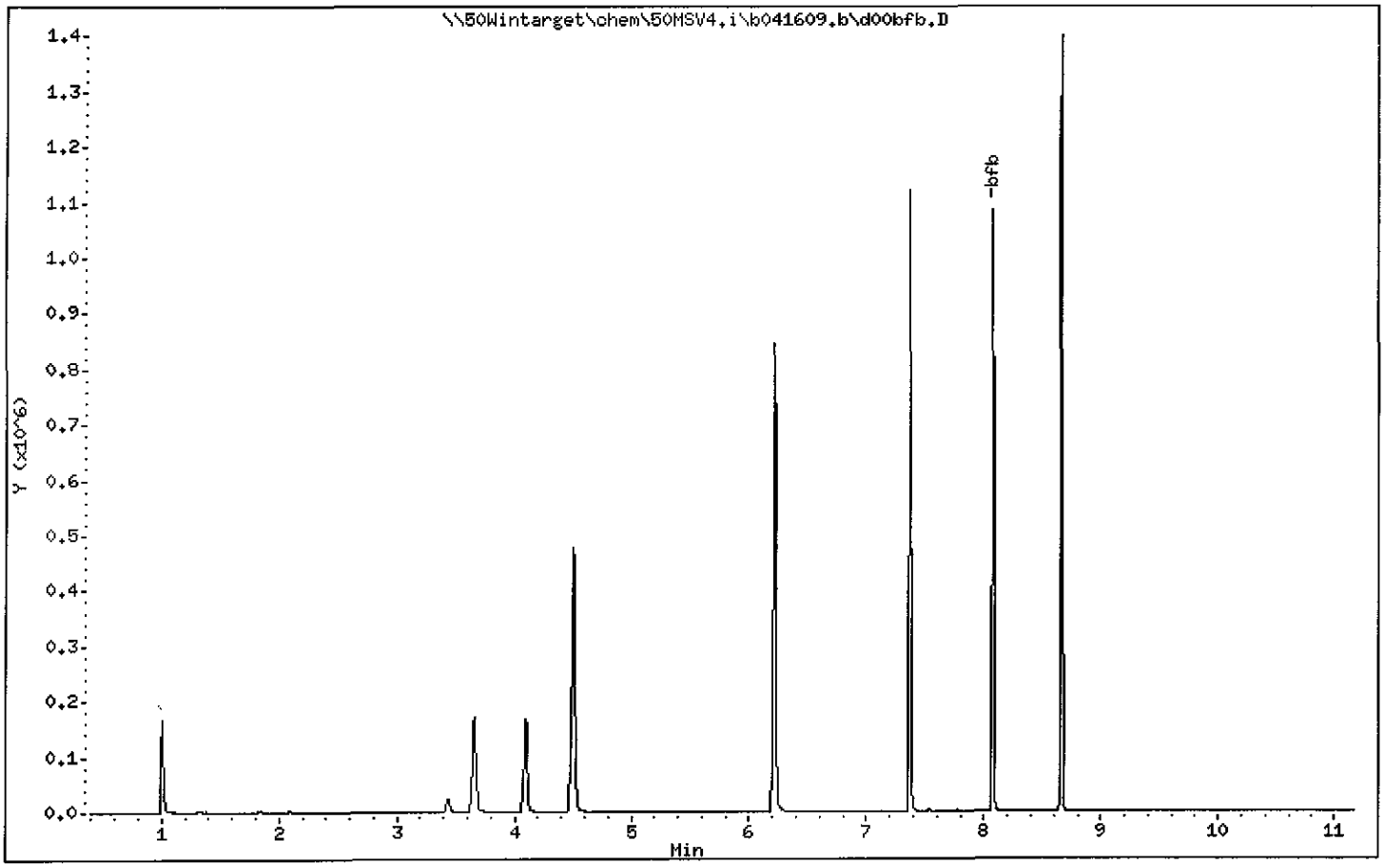
Sample Info: bfb

Volume Injected (uL): 1.0

Operator: slb

Column phase:

Column diameter: 2.00



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d00bfb.D

Date : 16-APR-2009 18:38

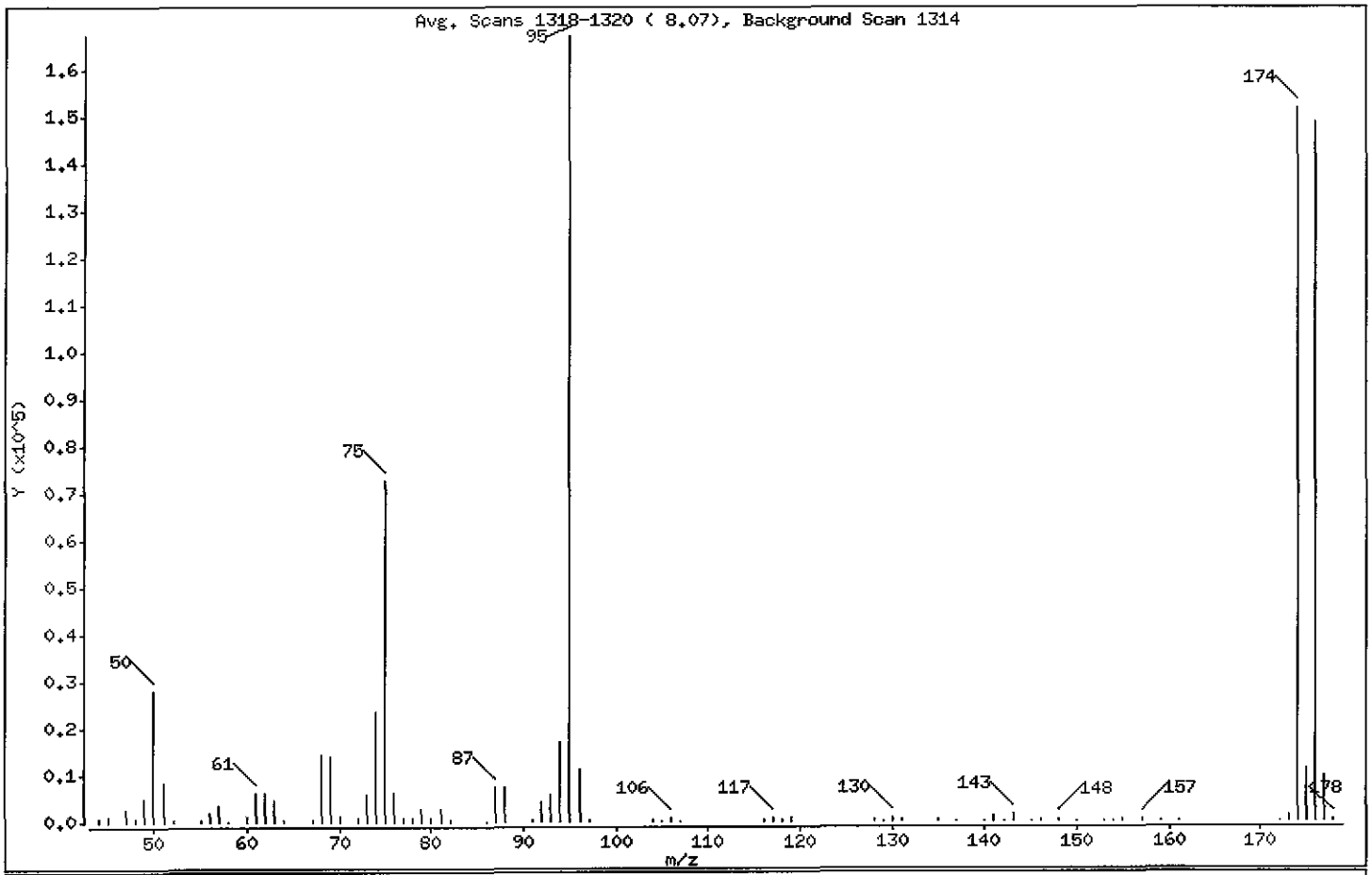
Client ID: bfb050 Instrument: 50MSV4.i

Sample Info: bfb

Volume Injected (uL): 1.0 Operator: slb

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	16.75
75	30.00 - 60.00% of mass 95	43.50
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.74 (0.81)
174	50.00 - 100.00% of mass 95	90.79
175	5.00 - 9.00% of mass 174	6.62 (7.30)
176	95.00 - 101.00% of mass 174	88.91 (97.94)
177	5.00 - 9.00% of mass 176	5.72 (6.43)
95	100.00 - 100.00% of mass 95	100.00

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d00bfb.D

Date : 16-APR-2009 18:38

Client ID: bfb050 Instrument: 50MSV4.i

Sample Info: bfb

Volume Injected (uL): 1.0 Operator: slb

Column phase: Column diameter: 2.00

Data File: d00bfb.D

Spectrum: Avg. Scans 1318-1320 (8.07), Background Scan 1314

Location of Maximum: 95.00

Number of points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
44.00	772	70.00	997	96.00	11036	145.00	57
45.00	1114	72.00	831	97.00	309	146.00	242
47.00	2586	73.00	5731	104.00	511	148.00	329
48.00	810	74.00	23416	105.00	142	150.00	70
49.00	5154	75.00	72832	106.00	643	153.00	65
50.00	28048	76.00	6092	107.00	55	154.00	73
51.00	8606	77.00	931	116.00	409	155.00	328
52.00	386	78.00	716	117.00	651	157.00	199
55.00	327	79.00	2780	118.00	394	159.00	152
56.00	1862	80.00	723	119.00	635	161.00	180
57.00	3341	81.00	2672	128.00	544	172.00	83
58.00	124	82.00	511	129.00	182	173.00	1233
60.00	1200	86.00	52	130.00	589	174.00	152000
61.00	6308	87.00	7251	131.00	253	175.00	11091
62.00	6139	88.00	7205	135.00	290	176.00	148864
63.00	4618	91.00	435	137.00	169	177.00	9573
64.00	475	92.00	4147	140.00	52	178.00	261
67.00	293	93.00	5931	141.00	1276		
68.00	14163	94.00	16792	142.00	58		
69.00	13890	95.00	167424	143.00	1365		

Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\d01ccv.D
Lab Smp Id: ccv Client Smp ID: ccv
Inj Date : 16-APR-2009 19:07
Operator : slb Inst ID: 50MSV4.i
Smp Info : ccv
Misc Info :
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 48 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50VOA-ADR2

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	1.086	1.086	(0.241)	136759	50.0000	58.5
2 Chloromethane	50	1.173	1.173	(0.260)	122488	50.0000	45.3
3 Vinyl Chloride	62	1.226	1.226	(0.272)	124157	50.0000	53.7
4 Bromomethane	94	1.377	1.377	(0.306)	49299	50.0000	68.6
5 Chloroethane	64	1.424	1.424	(0.316)	57858	50.0000	50.8
6 Trichlorofluoromethane	101	1.546	1.546	(0.343)	150166	50.0000	56.9
7 1,2-dichlorotrifluoroethane	67	1.675	1.675	(0.372)	97841	50.0000	52.8
8 Diethyl ether	74	1.680	1.680	(0.373)	46468	100.000	102
18 2-methyl-2-propanol	59	1.680	1.680	(0.373)	63645	100.000	97.1
9 Acrolein	56	1.756	1.756	(0.390)	203443	1000.00	860
10 1,1,2trichlorotrifluoroethane	101	1.809	1.809	(0.401)	77718	50.0000	54.6
11 1,1-Dichloroethene	96	1.820	1.820	(0.404)	77154	50.0000	55.0
12 Acetone	43	1.838	1.838	(0.408)	89486	250.000	199
13 Iodomethane	142	1.919	1.919	(0.426)	133180	100.000	103
14 Carbon Disulfide	76	1.960	1.960	(0.435)	468792	100.000	115
16 Methyl Acetate	43	2.024	2.024	(0.449)	50739	50.0000	42.5
15 allyl chloride	41	2.024	2.024	(0.449)	251148	100.000	89.8
17 Methylene Chloride	84	2.100	2.100	(0.466)	91123	50.0000	51.1
19 Acrylonitrile	53	2.257	2.257	(0.501)	646311	1000.00	894
20 Methyl-tert-butyl ether	73	2.275	2.275	(0.505)	479050	100.000	102
21 1,2-Dichloroethene (trans)	96	2.281	2.281	(0.506)	104645	50.0000	58.4
22 n-Hexane	57	2.479	2.479	(0.550)	124617	50.0000	48.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	23 1,1-Dichloroethane	63	2.601	2.601	(0.577)	209327	50.0000	54.3
	24 Vinyl Acetate	43	2.630	2.630	(0.584)	592591	200.000	153
	26 1,2-Dichloroethene (cis)	96	3.126	3.126	(0.694)	121359	50.0000	57.5
	27 2,2-Dichloropropane	77	3.132	3.132	(0.695)	108936	50.0000	53.6
	28 2-Butanone	43	3.143	3.143	(0.697)	187736	250.000	197
	30 Bromochloromethane	49	3.382	3.382	(0.750)	96545	50.0000	49.4
	31 Tetrahydrofuran	42	3.446	3.446	(0.765)	47630	50.0000	20.7
	32 Chloroform	83	3.476	3.476	(0.771)	196261	50.0000	56.0
$	33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	133072	50.0000	52.3
	34 1,1,1-Trichloroethane	97	3.697	3.697	(0.820)	154213	50.0000	60.9
	35 Cyclohexane	56	3.767	3.767	(0.836)	181167	50.0000	56.0
	145 isopropyl acetate	61	1.226	1.226	(0.272)	10011	125.000	128
	36 Carbon Tetrachloride	117	3.907	3.907	(0.867)	127722	50.0000	63.4
	37 1,1-Dichloropropene	75	3.907	3.907	(0.867)	151850	50.0000	56.8
	39 Benzene	78	4.169	4.169	(0.925)	455841	50.0000	54.2
	141 2,2,4-Trimethylpentane	57	4.268	4.268	(0.947)	288962	50.0000	49.5
	40 1,2-Dichloroethane	62	4.198	4.198	(0.931)	135084	50.0000	49.2
	38 Isobutyl alcohol	43	4.268	4.268	(0.947)	51002	250.000	232
*	41 Fluorobenzene	96	4.507	4.507	(1.000)	532886	50.0000	
	42 Trichloroethene	95	4.927	4.927	(1.093)	120803	50.0000	58.6
	43 Methylcyclohexane	55	5.131	5.131	(1.138)	137840	50.0000	53.8
	44 1,2-Dichloropropane	63	5.178	5.178	(1.149)	119377	50.0000	52.8
	45 Dibromomethane	93	5.300	5.300	(1.176)	61865	50.0000	54.1
	46 Methyl methacrylate	69	5.341	5.341	(1.185)	58469	50.0000	44.3
	47 Bromodichloromethane	83	5.487	5.487	(1.217)	146817	50.0000	58.0
	48 2-Chloroethyl vinyl ether	63	5.825	5.825	(0.790)	132238	100.000	90.5
	49 cis-1,3-Dichloropropene	75	5.953	5.953	(0.808)	164713	50.0000	50.5
	50 4-Methyl-2-Pentanone	43	6.133	6.133	(0.832)	384335	250.000	188
$	51 Toluene-d8	98	6.215	6.215	(0.843)	548301	50.0000	48.2
	52 Toluene	91	6.285	6.285	(0.853)	490432	50.0000	50.1
	53 trans-1,3-Dichloropropene	75	6.512	6.512	(0.884)	132072	50.0000	42.9
	54 Ethyl Methacrylate	69	6.617	6.617	(0.898)	115916	50.0000	42.6
	55 1,1,2-Trichloroethane	83	6.670	6.670	(0.905)	75866	50.0000	48.3
	56 Tetrachloroethene	166	6.769	6.769	(0.919)	211782	50.0000	83.6
	57 1,3-Dichloropropane	76	6.798	6.798	(0.922)	159778	50.0000	48.0
	58 2-Hexanone	43	6.885	6.885	(0.934)	266136	250.000	193
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	100195	50.0000	52.0
	60 1,2-Dibromoethane	107	7.049	7.049	(0.956)	92882	50.0000	49.9
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	426752	50.0000	
	62 Chlorobenzene	112	7.392	7.392	(1.003)	334189	50.0000	52.3
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	109802	50.0000	57.6
	64 Ethylbenzene	106	7.468	7.468	(1.013)	173349	50.0000	50.4
	65 m&p-Xylene	106	7.544	7.544	(1.024)	433928	100.000	101
	67 o-Xylene	106	7.777	7.777	(1.055)	211523	50.0000	52.1
	68 Styrene	104	7.789	7.789	(1.057)	359550	50.0000	52.4
	69 Bromoform	173	7.894	7.894	(0.911)	60634	50.0000	43.5
	70 Isopropylbenzene	105	7.993	7.993	(1.085)	533592	50.0000	53.5
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	210776	50.0000	48.1
	74 Bromobenzene	77	8.156	8.156	(1.107)	197215	50.0000	44.9
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	101140	50.0000	40.5
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	106819	50.0000	37.8
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	22222	50.0000	32.2
	76 n-Propylbenzene	91	8.214	8.214	(0.948)	606434	50.0000	48.6
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	364070	50.0000	49.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	402573	50.0000	48.6
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	128417	50.0000	50.2
80 tert-Butylbenzene	119	8.465	8.465	(0.977)	413085	50.0000	46.7
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	419658	50.0000	49.9
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	515773	50.0000	50.3
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	237373	50.0000	50.6
84 p-Isopropyltoluene	119	8.640	8.640	(0.997)	429687	50.0000	49.8
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	243697	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	244300	50.0000	49.7
87 n-Butylbenzene	91	8.832	8.832	(1.020)	365463	50.0000	46.6
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	217853	50.0000	50.0
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	14735	50.0000	39.2
90 1,2,4-Trichlorobenzene	180	9.555	9.555	(1.103)	128644	50.0000	45.5
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	67827	50.0000	52.1
92 Naphthalene	128	9.666	9.666	(1.116)	260874	50.0000	38.2
93 1,2,3-Trichlorobenzene	180	9.765	9.765	(1.127)	105678	50.0000	43.0
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	61335	50.0000	24.0

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: d01ccv.D
Lab Smp Id: ccv
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info:

Calibration Date: 16-APR-2009
Calibration Time: 08:12
Client Smp ID: ccv
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	532886	-21.24
61 Chlorobenzene-d5	494899	247450	989798	426752	-13.77
85 1,4-Dichlorobenze	266439	133220	532878	243697	-8.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.13
61 Chlorobenzene-d5	7.38	6.88	7.88	7.37	-0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 16-APR-2009 19:07
Lab File ID: d01ccv.D Init. Cal. Date(s): 19-MAR-2009 19-MAR-2009
Analysis Type: WATER Init. Cal. Times: 07:52 11:24
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.21945	0.25664	0.25664	0.100	16.94544	20.00000	Averaged	
2 Chloromethane	0.25349	0.22986	0.22986	0.100	-9.32373	20.00000	Averaged	
3 Vinyl Chloride	0.21687	0.23299	0.23299	0.100	7.43472	20.00000	Averaged	
4 Bromomethane	50.00000	68.60876	0.09251	0.100	37.21751	0.000e+000	Quadratic	
5 Chloroethane	0.10683	0.10857	0.10857	0.100	1.63746	20.00000	Averaged	
6 Trichlorofluoromethane	0.24763	0.28180	0.28180	0.100	13.79752	20.00000	Averaged	
7 1,2-dichlorotrifluoroethane	0.17392	0.18361	0.18361	0.100	5.56640	20.00000	Averaged	
8 Diethyl ether	0.04278	0.04360	0.04360	0.100	1.91075	20.00000	Averaged	
18 2-methyl-2-propanol	0.06148	0.05972	0.05972	0.100	-2.87298	20.00000	Averaged	
9 Acrolein	0.02218	0.01909	0.01909	0.100	-13.95624	20.00000	Averaged	
10 1,1,2trichlorotrifluoroetha	0.13342	0.14584	0.14584	0.100	9.31248	20.00000	Averaged	
11 1,1-Dichloroethene	0.13149	0.14479	0.14479	0.100	10.11203	20.00000	Averaged	
12 Acetone	250	199	0.03359	0.100	-20.26120	0.000e+000	Linear	
143 Acetonitrile	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
13 Iodomethane	100	103	0.12496	0.100	2.78912	0.000e+000	Quadratic	
14 Carbon Disulfide	100	115	0.43986	0.100	15.07553	0.000e+000	Linear	
16 Methyl Acetate	50.00000	42.49273	0.09522	0.100	-15.01453	0.000e+000	Linear	
15 allyl chloride	0.26252	0.23565	0.23565	0.100	-10.23423	20.00000	Averaged	
17 Methylene Chloride	50.00000	51.11768	0.17100	0.100	2.23536	0.000e+000	Linear	
19 Acrylonitrile	0.06779	0.06064	0.06064	0.100	-10.54121	20.00000	Averaged	
20 Methyl-tert-butyl ether	0.44201	0.44949	0.44949	0.100	1.69094	20.00000	Averaged	
21 1,2-Dichloroethene (trans)	0.16808	0.19637	0.19637	0.100	16.83607	20.00000	Averaged	
22 n-Hexane	0.24066	0.23385	0.23385	0.100	-2.82721	20.00000	Averaged	
147 chloroprene	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
23 1,1-Dichloroethane	0.36193	0.39282	0.39282	0.100	8.53351	20.00000	Averaged	
24 Vinyl Acetate	0.36415	0.27801	0.27801	0.100	-23.65507	20.00000	Averaged	<-
26 1,2-Dichloroethene (cis)	0.19789	0.22774	0.22774	0.100	15.08655	20.00000	Averaged	
27 2,2-Dichloropropane	0.19086	0.20443	0.20443	0.100	7.10790	20.00000	Averaged	
28 2-Butanone	0.08925	0.07046	0.07046	0.100	-21.05690	20.00000	Averaged	<-
144 Methacrylonitrile	0.03519	++++	++++	0.100	++++	20.00000	Averaged	<-
30 Bromochloromethane	0.18352	0.18117	0.18117	0.100	-1.27705	20.00000	Averaged	
31 Tetrahydrofuran	50.00000	20.67564	0.08938	0.100	-58.64872	0.000e+000	Linear	
32 Chloroform	0.32857	0.36830	0.36830	0.100	12.09239	20.00000	Averaged	
$ 33 Dibromofluoromethane (S)	0.23874	0.24972	0.24972	0.100	4.59974	20.00000	Averaged	
34 1,1,1-Trichloroethane	0.23754	0.28939	0.28939	0.100	21.82865	20.00000	Averaged	<-
35 Cyclohexane	0.30372	0.33997	0.33997	0.100	11.93640	20.00000	Averaged	
145 isopropyl acetate	0.00736	0.00751	0.00751	0.100	2.04218	20.00000	Averaged	
36 Carbon Tetrachloride	0.18916	0.23968	0.23968	0.100	26.70420	20.00000	Averaged	<-
37 1,1-Dichloropropene	0.25096	0.28496	0.28496	0.100	13.54756	20.00000	Averaged	
39 Benzene	0.78978	0.85542	0.85542	0.100	8.31161	20.00000	Averaged	
141 2,2,4-Trimethylpentane	50.00000	49.47042	0.54226	0.100	-1.05915	0.000e+000	Linear	
40 1,2-Dichloroethane	0.25770	0.25350	0.25350	0.100	-1.63075	20.00000	Averaged	

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 16-APR-2009 19:07
Lab File ID: d01ccv.D Init. Cal. Date(s): 19-MAR-2009 19-MAR-2009
Analysis Type: WATER Init. Cal. Times: 07:52 11:24
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 Isobutyl alcohol	250	232	0.01914	0.100	-7.09292	0.000e+000	Linear	
42 Trichloroethene	0.19336	0.22670	0.22670	0.100	17.24131	20.00000	Averaged	
43 Methylcyclohexane	50.00000	53.75174	0.25867	0.100	7.50348	0.000e+000	Linear	
142 1,4-Dioxane	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
44 1,2-Dichloropropane	0.21196	0.22402	0.22402	0.100	5.68740	20.00000	Averaged	
45 Dibromomethane	0.10721	0.11609	0.11609	0.100	8.29041	20.00000	Averaged	
46 Methyl methacrylate	50.00000	44.27573	0.10972	0.100	-11.44854	0.000e+000	Linear	
47 Bromodichloromethane	0.23729	0.27551	0.27551	0.100	16.10814	20.00000	Averaged	
48 2-Chloroethyl vinyl ether	0.17119	0.15494	0.15494	0.100	-9.49299	20.00000	Averaged	
49 cis-1,3-Dichloropropene	0.38209	0.38597	0.38597	0.100	1.01505	20.00000	Averaged	
50 4-Methyl-2-Pentanone	0.23986	0.18012	0.18012	0.100	-24.90704	20.00000	Averaged	<-
$ 51 Toluene-d8	1.33209	1.28482	1.28482	0.100	-3.54849	20.00000	Averaged	
52 Toluene	1.14637	1.14922	1.14922	0.100	0.24862	20.00000	Averaged	
53 trans-1,3-Dichloropropene	50.00000	42.89273	0.30948	0.100	-14.21455	0.000e+000	Linear	
54 Ethyl Methacrylate	50.00000	42.64514	0.27162	0.100	-14.70971	0.000e+000	Linear	
55 1,1,2-Trichloroethane	0.18385	0.17778	0.17778	0.100	-3.30539	20.00000	Averaged	
56 Tetrachloroethene	0.29682	0.49626	0.49626	0.100	67.19154	20.00000	Averaged	<-
57 1,3-Dichloropropane	0.38974	0.37440	0.37440	0.100	-3.93462	20.00000	Averaged	
58 2-Hexanone	0.16127	0.12473	0.12473	0.100	-22.66040	20.00000	Averaged	<-
59 Dibromochloromethane	0.22572	0.23479	0.23479	0.100	4.01593	20.00000	Averaged	
60 1,2-Dibromoethane	0.21821	0.21765	0.21765	0.100	-0.25524	20.00000	Averaged	
62 Chlorobenzene	0.74915	0.78310	0.78310	0.100	4.53141	20.00000	Averaged	
63 1,1,1,2-Tetrachloroethane	0.22319	0.25730	0.25730	0.100	15.28403	20.00000	Averaged	
64 Ethylbenzene	0.40262	0.40621	0.40621	0.100	0.89014	20.00000	Averaged	
65 m&p-Xylene	0.50294	0.50841	0.50841	0.100	1.08669	20.00000	Averaged	
67 o-Xylene	0.47552	0.49566	0.49566	0.100	4.23576	20.00000	Averaged	
68 Styrene	0.80436	0.84253	0.84253	0.100	4.74551	20.00000	Averaged	
69 Bromoform	50.00000	43.48302	0.24881	0.100	-13.03397	0.000e+000	Linear	
70 Isopropylbenzene	50.00000	53.48338	1.25036	0.100	6.96677	0.000e+000	Linear	
$ 72 4-Bromofluorobenzene	0.51304	0.49391	0.49391	0.100	-3.72993	20.00000	Averaged	
74 Bromobenzene	0.51418	0.46213	0.46213	0.100	-10.12268	20.00000	Averaged	
73 1,1,2,2-Tetrachloroethane	0.51256	0.41502	0.41502	0.100	-19.02977	20.00000	Averaged	
75 1,2,3-Trichloropropane	50.00000	37.80439	0.43833	0.100	-24.39122	0.000e+000	Linear	
71 trans-1,4-Dichloro-2-butene	50.00000	32.16452	0.05207	0.100	-35.67095	0.000e+000	Linear	
76 n-Propylbenzene	50.00000	48.60167	2.48848	0.100	-2.79667	0.000e+000	Linear	
77 2-Chlorotoluene	50.00000	49.59352	1.49395	0.100	-0.81297	0.000e+000	Linear	
78 1,3,5-Trimethylbenzene	50.00000	48.63285	1.65194	0.100	-2.73431	0.000e+000	Linear	
79 4-Chlorotoluene	50.00000	50.19688	0.52695	0.100	0.39376	0.000e+000	Linear	
146 n-amyl acetate	++++	++++	++++	0.100	++++	20.00000	Averaged	<-
80 tert-Butylbenzene	50.00000	46.66144	1.69508	0.100	-6.67712	0.000e+000	Linear	
81 1,2,4-Trimethylbenzene	50.00000	49.87870	1.72205	0.100	-0.24261	0.000e+000	Linear	
82 sec-Butylbenzene	50.00000	50.27329	2.11645	0.100	0.54658	0.000e+000	Linear	

Pace Analytical Services, Inc.

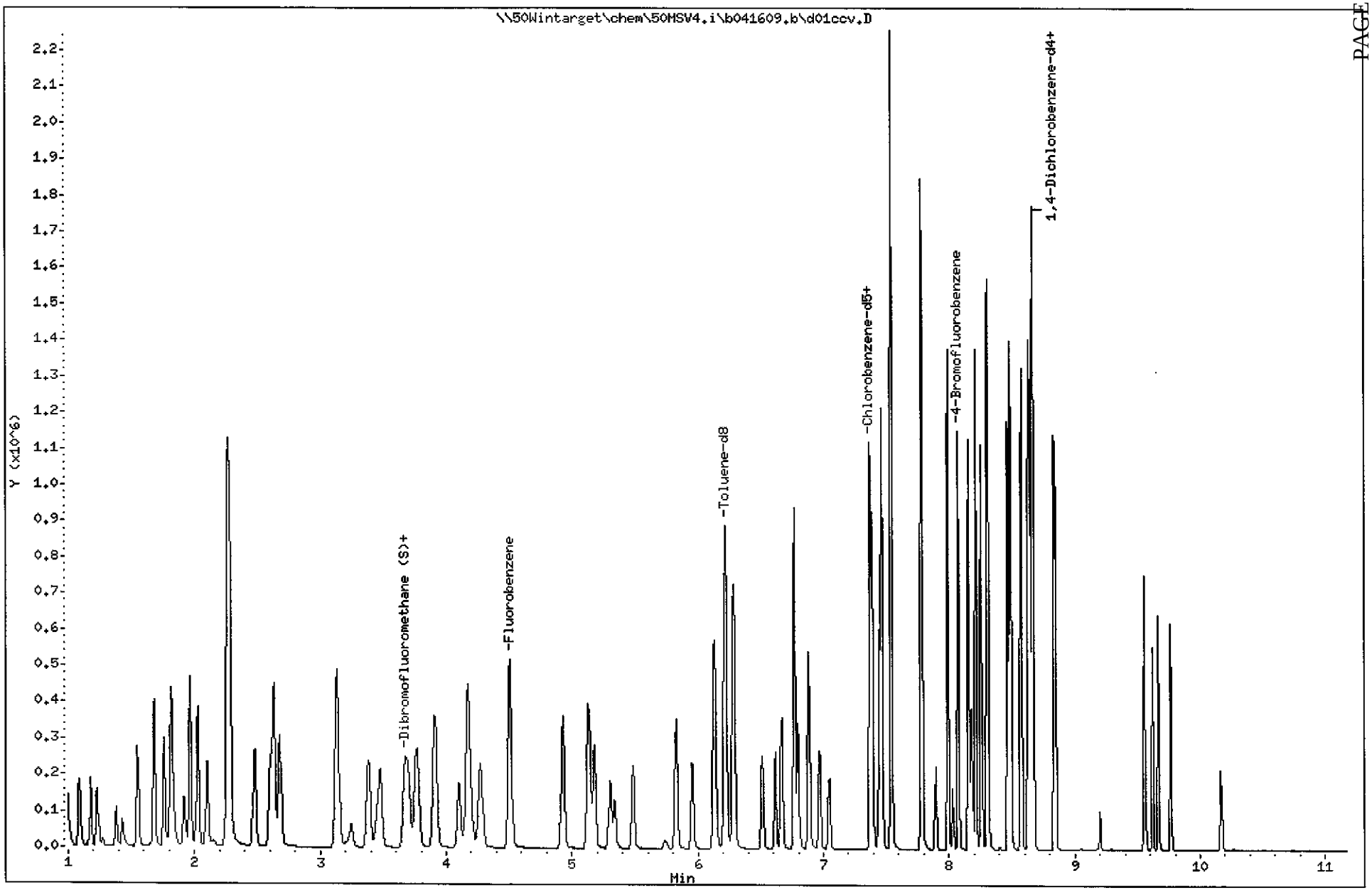
CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSV4.i Injection Date: 16-APR-2009 19:07
Lab File ID: d01ccv.D Init. Cal. Date(s): 19-MAR-2009 19-MAR-2009
Analysis Type: WATER Init. Cal. Times: 07:52 11:24
Lab Sample ID: ccv Quant Type: ISTD
Method: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
83 1,3-Dichlorobenzene	50.00000	50.63030	0.97405	0.100	1.26059	0.000e+000	Linear
84 p-Isopropyltoluene	50.00000	49.77927	1.76320	0.100	-0.44146	0.000e+000	Linear
86 1,4-Dichlorobenzene	50.00000	49.73458	1.00247	0.100	-0.53084	0.000e+000	Linear
87 n-Butylbenzene	50.00000	46.56760	1.49966	0.100	-6.86480	0.000e+000	Linear
88 1,2-Dichlorobenzene	50.00000	49.96060	0.89395	0.100	-0.07881	0.000e+000	Linear
89 1,2-Dibromo-3-chloropropane	50.00000	39.20617	0.06046	0.100	-21.58766	0.000e+000	Linear
90 1,2,4-Trichlorobenzene	50.00000	45.54593	0.52789	0.100	-8.90814	0.000e+000	Linear
91 Hexachlorobutadiene	50.00000	52.12428	0.27833	0.100	4.24856	0.000e+000	Linear
92 Naphthalene	50.00000	38.19147	1.07049	0.100	-23.61706	0.000e+000	Linear
93 1,2,3-Trichlorobenzene	50.00000	42.95874	0.43365	0.100	-14.08252	0.000e+000	Linear
94 2,methyl-naphthalene	50.00000	24.05679	0.25169	0.100	-51.88642	0.000e+000	Linear

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d01ccv.D
Date : 16-APR-2009 19:07
Client ID: ccv
Sample Info: ccv
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



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GC/MS Volatiles

Section 4: Quality Control Data

**** Laboratory Control Samples (LCS)***
**** Matrix Spike and Spike Duplicate Samples (MS/MSD)***

Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b02lcs.D
Lab Smp Id: 287770 Client Smp ID: lcs
Inj Date : 16-APR-2009 08:42
Operator : slb Inst ID: 50MSV4.i
Smp Info : lcs
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.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	1.086	1.086	(0.241)	138575	55.5183	55.5
2 Chloromethane	50	1.179	1.173	(0.262)	116257	40.3221	40.3
3 Vinyl Chloride	62	1.226	1.226	(0.272)	112160	45.4711	45.5
4 Bromomethane	94	1.377	1.377	(0.306)	50407	64.4466	64.4
5 Chloroethane	64	1.424	1.424	(0.316)	54268	44.6641	44.7
6 Trichlorofluoromethane	101	1.552	1.546	(0.344)	134217	47.6533	47.6
7 1,2-dichlorotrifluoroethane	67	1.680	1.675	(0.373)	98925	50.0075	50.0
8 Diethyl ether	74	1.686	1.680	(0.374)	45440	93.3810	93.4
18 2-methyl-2-propanol	59	1.686	1.680	(0.374)	65277	93.3448	93.3
9 Acrolein	56	1.762	1.756	(0.391)	59410	235.445	235(R)
10 1,1,2trichlorotrifluoroethane	101	1.808	1.809	(0.401)	87990	57.9837	58.0
11 1,1-Dichloroethene	96	1.820	1.820	(0.404)	75948	50.7828	50.8
12 Acetone	43	1.843	1.838	(0.409)	146936	304.777	305
13 Iodomethane	142	1.919	1.919	(0.426)	147714	106.937	107
14 Carbon Disulfide	76	1.966	1.960	(0.436)	511512	117.790	118
16 Methyl Acetate	43	2.024	2.024	(0.449)	71224	56.1012	56.1
15 allyl chloride	41	2.024	2.024	(0.449)	238827	79.9869	80.0
17 Methylene Chloride	84	2.100	2.100	(0.466)	86494	45.3564	45.4
19 Acrylonitrile	53	2.263	2.257	(0.502)	687532	891.720	892
20 Methyl-tert-butyl ether	73	2.280	2.275	(0.506)	535162	106.449	106
21 1,2-Dichloroethene (trans)	96	2.286	2.281	(0.507)	107259	56.1069	56.1
22 n-Hexane	57	2.479	2.479	(0.550)	154069	56.2868	56.3
23 1,1-Dichloroethane	63	2.607	2.601	(0.578)	185989	45.1804	45.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	24 Vinyl Acetate	43	2.630	2.630	(0.584)	744982	179.868	180
	26 1,2-Dichloroethene (cis)	96	3.131	3.126	(0.695)	122399	54.3819	54.4
	27 2,2-Dichloropropane	77	3.131	3.132	(0.695)	126594	58.3159	58.3
	28 2-Butanone	43	3.143	3.143	(0.697)	257858	254.004	254
	30 Bromochloromethane	49	3.388	3.382	(0.752)	98035	46.9671	47.0
	31 Tetrahydrofuran	42	3.446	3.446	(0.765)	52725	23.2409	23.2
	32 Chloroform	83	3.475	3.476	(0.771)	189901	50.8152	50.8
$	33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	136008	50.0879	50.1
	34 1,1,1-Trichloroethane	97	3.697	3.697	(0.820)	149067	55.1740	55.2
	35 Cyclohexane	56	3.767	3.767	(0.836)	165047	47.7776	47.8
	145 isopropyl acetate	61	1.226	1.226	(0.272)	9155	109.301	109
	36 Carbon Tetrachloride	117	3.913	3.907	(0.868)	129712	60.2878	60.3
	37 1,1-Dichloropropene	75	3.913	3.907	(0.868)	147971	51.8399	51.8
	39 Benzene	78	4.175	4.169	(0.926)	443164	49.3344	49.3
	141 2,2,4-Trimethylpentane	57	4.274	4.268	(0.948)	293472	47.0196	47.0
	40 1,2-Dichloroethane	62	4.198	4.198	(0.931)	132228	45.1131	45.1
	38 Isobutyl alcohol	43	4.291	4.268	(0.952)	909646	4044.57	4040(Q)
*	41 Fluorobenzene	96	4.507	4.507	(1.000)	568696	50.0000	
	42 Trichloroethene	95	4.933	4.927	(1.094)	116864	53.1383	53.1
	43 Methylcyclohexane	55	5.131	5.131	(1.138)	124951	45.4481	45.4
	44 1,2-Dichloropropane	63	5.177	5.178	(1.149)	117568	48.7659	48.8
	45 Dibromomethane	93	5.300	5.300	(1.176)	63848	52.3620	52.4
	46 Methyl methacrylate	69	5.341	5.341	(1.185)	66179	46.7169	46.7
	47 Bromodichloromethane	83	5.486	5.487	(1.217)	146300	54.2069	54.2
	48 2-Chloroethyl vinyl ether	63	5.824	5.825	(0.790)	63013	45.8218	45.8
	49 cis-1,3-Dichloropropene	75	5.958	5.953	(0.808)	165948	54.0650	54.1
	50 4-Methyl-2-Pentanone	43	6.133	6.133	(0.832)	438504	227.572	228
$	51 Toluene-d8	98	6.221	6.215	(0.844)	528773	49.4134	49.4
	52 Toluene	91	6.285	6.285	(0.852)	460273	49.9805	50.0
	53 trans-1,3-Dichloropropene	75	6.512	6.512	(0.883)	137877	47.3164	47.3
	54 Ethyl Methacrylate	69	6.617	6.617	(0.897)	125307	48.6310	48.6
	55 1,1,2-Trichloroethane	83	6.664	6.670	(0.904)	77211	52.2781	52.3
	56 Tetrachloroethene	166	6.769	6.769	(0.918)	119948	50.3042	50.3
	57 1,3-Dichloropropane	76	6.798	6.798	(0.922)	161632	51.6254	51.6
	58 2-Hexanone	43	6.885	6.885	(0.934)	360327	278.132	278
	59 Dibromochloromethane	129	6.973	6.967	(0.945)	106780	58.8884	58.9
	60 1,2-Dibromoethane	107	7.048	7.049	(0.956)	91124	51.9849	52.0
*	61 Chlorobenzene-d5	117	7.375	7.369	(1.000)	401661	50.0000	
	62 Chlorobenzene	112	7.392	7.392	(1.002)	308397	51.2449	51.2
	63 1,1,1,2-Tetrachloroethane	131	7.451	7.445	(1.010)	107305	59.8501	59.8
	64 Ethylbenzene	106	7.468	7.468	(1.013)	162485	50.2373	50.2
	65 m&p-Xylene	106	7.544	7.544	(1.023)	395730	97.9470	97.9
	67 o-Xylene	106	7.783	7.777	(1.055)	197641	51.7395	51.7
	68 Styrene	104	7.789	7.789	(1.056)	331296	51.2718	51.3
	69 Bromoform	173	7.893	7.894	(0.911)	65251	49.3726	49.4
	70 Isopropylbenzene	105	7.993	7.993	(1.084)	486210	51.7233	51.7
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.095)	202249	49.0730	49.1
	74 Bromobenzene	77	8.156	8.156	(1.106)	190374	46.0897	46.1
	73 1,1,2,2-Tetrachloroethane	83	8.162	8.156	(0.942)	109119	46.5099	46.5
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	117792	43.6475	43.6
	71 trans-1,4-Dichloro-2-butene	53	8.191	8.185	(1.111)	27335	40.9179	40.9
	76 n-Propylbenzene	91	8.214	8.214	(0.948)	572895	48.8990	48.9
	77 2-Chlorotoluene	91	8.261	8.255	(0.954)	351490	51.0098	51.0
	78 1,3,5-Trimethylbenzene	105	8.301	8.302	(0.958)	387754	49.9206	49.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	122591	51.0592	51.0
80 tert-Butylbenzene	119	8.471	8.465	(0.978)	337595	40.3928	40.4
81 1,2,4-Trimethylbenzene	105	8.494	8.488	(0.980)	386331	48.8224	48.8
82 sec-Butylbenzene	105	8.575	8.576	(0.990)	487375	50.5962	50.6
83 1,3-Dichlorobenzene	146	8.634	8.628	(0.997)	232849	52.9116	52.9
84 p-Isopropyltoluene	119	8.645	8.640	(0.998)	406221	50.1229	50.1
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	228864	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	235782	51.1397	51.1
87 n-Butylbenzene	91	8.838	8.832	(1.020)	364793	49.5737	49.6
88 1,2-Dichlorobenzene	146	8.849	8.850	(1.022)	214422	52.3958	52.4
89 1,2-Dibromo-3-chloropropane	155	9.205	9.199	(1.063)	15907	44.3419	44.3
90 1,2,4-Trichlorobenzene	180	9.560	9.555	(1.104)	133202	50.2054	50.2
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	65931	53.9817	54.0
92 Naphthalene	128	9.665	9.666	(1.116)	283816	43.9450	43.9
93 1,2,3-Trichlorobenzene	180	9.770	9.765	(1.128)	116907	50.3445	50.3
94 2,methyl-naphthalene	142	10.172	10.167	(1.174)	107810	38.2353	38.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b02lcs.D
Lab Smp Id: 287770
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	568696	-15.95
61 Chlorobenzene-d5	494899	247450	989798	401661	-18.84
85 1,4-Dichlorobenze	266439	133220	532878	228864	-14.10

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.01
61 Chlorobenzene-d5	7.37	6.87	7.87	7.38	0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287770
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: lcs
Operator: slb
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	55.5	111.04	30-170
2 Chloromethane	50.0	40.3	80.64	35-147
3 Vinyl Chloride	50.0	45.5	90.94	55-141
4 Bromomethane	50.0	64.4	128.89	30-170
5 Chloroethane	50.0	44.7	89.33	56-153
6 Trichlorofluoromet	50.0	47.6	95.31	62-150
8 Diethyl ether	100	93.4	93.38	70-130
9 Acrolein	1000	235	23.54*	30-170
11 1,1-Dichloroethene	50.0	50.8	101.57	63-128
10 1,1,2trichlorotrif	50.0	58.0	115.97	74-153
12 Acetone	250	305	121.91	30-170
13 Iodomethane	100	107	106.94	41-170
14 Carbon Disulfide	100	118	117.79	58-152
15 allyl chloride	100	80.0	79.99	70-130
17 Methylene Chloride	50.0	45.4	90.71	32-164
19 Acrylonitrile	1000	892	89.17	67-136
21 1,2-Dichloroethene	50.0	56.1	112.21	71-126
20 Methyl-tert-butyl	100	106	106.45	66-147
22 n-Hexane	50.0	56.3	112.57	69-157
23 1,1-Dichloroethane	50.0	45.2	90.36	67-133
24 Vinyl Acetate	200	180	89.93	41-145
27 2,2-Dichloropropan	50.0	58.3	116.63	52-144
26 1,2-Dichloroethene	50.0	54.4	108.76	74-128
28 2-Butanone	250	254	101.60	47-189
7 1,2-dichlorotriflu	50.0	50.0	100.01	54-162
30 Bromochloromethane	50.0	47.0	93.93	54-162
32 Chloroform	50.0	50.8	101.63	74-131
34 1,1,1-Trichloroeth	50.0	55.2	110.35	69-136
36 Carbon Tetrachlori	50.0	60.3	120.58	62-143
37 1,1-Dichloropropen	50.0	51.8	103.68	75-134
39 Benzene	50.0	49.3	98.67	78-127
40 1,2-Dichloroethane	50.0	45.1	90.23	69-139
42 Trichloroethene	50.0	53.1	106.28	74-130
44 1,2-Dichloropropan	50.0	48.8	97.53	76-129
45 Dibromomethane	50.0	52.4	104.72	73-133
46 Methyl methacrylat	50.0	46.7	93.43	70-130
47 Bromodichlorometha	50.0	54.2	108.41	69-133
49 cis-1,3-Dichloropr	50.0	54.1	108.13	54-123
50 4-Methyl-2-Pentano	250	228	91.03	61-135
52 Toluene	50.0	50.0	99.96	75-129

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
53 trans-1,3-Dichloro	50.0	47.3	94.63	54-123
54 Ethyl Methacrylate	50.0	48.6	97.26	59-138
55 1,1,2-Trichloroeth	50.0	52.3	104.56	77-132
56 Tetrachloroethene	50.0	50.3	100.61	60-119
57 1,3-Dichloropropan	50.0	51.6	103.25	74-126
58 2-Hexanone	250	278	111.25	57-167
59 Dibromochlorometha	50.0	58.9	117.78	66-131
60 1,2-Dibromoethane	50.0	52.0	103.97	75-126
62 Chlorobenzene	50.0	51.2	102.49	75-123
63 1,1,1,2-Tetrachlor	50.0	59.8	119.70	69-130
64 Ethylbenzene	50.0	50.2	100.47	81-126
65 m&p-Xylene	100	97.9	97.95	71-131
67 o-Xylene	50.0	51.7	103.48	72-127
68 Styrene	50.0	51.3	102.54	74-128
69 Bromoform	50.0	49.4	98.75	60-127
70 Isopropylbenzene	50.0	51.7	103.45	80-130
71 trans-1,4-Dichloro	50.0	40.9	81.84	50-150
74 Bromobenzene	50.0	46.1	92.18	62-139
73 1,1,2,2-Tetrachlor	50.0	46.5	93.02	69-130
75 1,2,3-Trichloropro	50.0	43.6	87.29	60-131
76 n-Propylbenzene	50.0	48.9	97.80	71-132
77 2-Chlorotoluene	50.0	51.0	102.02	72-128
79 4-Chlorotoluene	50.0	51.0	102.12	73-124
78 1,3,5-Trimethylben	50.0	49.9	99.84	74-130
80 tert-Butylbenzene	50.0	40.4	80.79	63-117
81 1,2,4-Trimethylben	50.0	48.8	97.64	73-130
82 sec-Butylbenzene	50.0	50.6	101.19	73-130
83 1,3-Dichlorobenzen	50.0	52.9	105.82	76-125
84 p-Isopropyltoluene	50.0	50.1	100.25	66-131
86 1,4-Dichlorobenzen	50.0	51.1	102.28	75-122
88 1,2-Dichlorobenzen	50.0	52.4	104.79	76-124
87 n-Butylbenzene	50.0	49.6	99.15	68-135
89 1,2-Dibromo-3-chlo	50.0	44.3	88.68	61-125
90 1,2,4-Trichloroben	50.0	50.2	100.41	60-130
91 Hexachlorobutadien	50.0	54.0	107.96	70-130
92 Naphthalene	50.0	43.9	87.89	61-135
93 1,2,3-Trichloroben	50.0	50.3	100.69	58-131
16 Methyl Acetate	50.0	56.1	112.20	30-170
35 Cyclohexane	50.0	47.8	95.56	63-134
43 Methylcyclohexane	50.0	45.4	90.90	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.1	100.18	80-123
$ 51 Toluene-d8	50.0	49.4	98.83	80-116
$ 72 4-Bromofluorobenze	50.0	49.1	98.15	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287770
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	55.5	
74-87-3	Chloromethane	40.3	
75-01-4	Vinyl Chloride	45.5	
74-83-9	Bromomethane	64.4	
75-00-3	Chloroethane	44.7	
75-69-4	Trichlorofluoromethane	47.6	
354-23-4	1,2-dichlorotrifluoroethane	50.0	
60-29-7	Diethyl ether	93.4	
75-65-0	2-methyl-2-propanol	93.3	
107-02-8	Acrolein	235	
76-13-1	1,1,2trichlorotrifluoroethan	58.0	
75-35-4	1,1-Dichloroethene	50.8	
67-64-1	Acetone	305	
	Iodomethane	107	
75-15-0	Carbon Disulfide	118	
79-20-9	Methyl Acetate	56.1	
107-05-1	allyl chloride	80.0	
75-09-2	Methylene Chloride	45.4	
107-13-1	Acrylonitrile	892	
1634-04-4	Methyl-tert-butyl ether	106	
156-60-5	1,2-Dichloroethene (trans)	56.1	
	n-Hexane	56.3	
75-34-3	1,1-Dichloroethane	45.2	
108-05-4	Vinyl Acetate	180	
156-59-2	1,2-Dichloroethene (cis)	54.4	
594-20-7	2,2-Dichloropropane	58.3	
78-93-3	2-Butanone	254	
74-97-5	Bromochloromethane	47.0	
	Tetrahydrofuran	23.2	
67-66-3	Chloroform	50.8	
71-55-6	1,1,1-Trichloroethane	55.2	
110-82-7	Cyclohexane	47.8	
108-21-4	isopropyl acetate	109	
56-23-5	Carbon Tetrachloride	60.3	
563-58-6	1,1-Dichloropropene	51.8	
71-43-2	Benzene	49.3	
540-84-1	2,2,4-Trimethylpentane	47.0	
107-06-2	1,2-Dichloroethane	45.1	
78-83-1	Isobutyl alcohol	4040	
79-01-6	Trichloroethene	53.1	
108-87-2	Methylcyclohexane	45.4	
78-87-5	1,2-Dichloropropane	48.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287770
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	52.4	
80-62-6	Methyl methacrylate	46.7	
75-27-4	Bromodichloromethane	54.2	
110-75-8	2-Chloroethyl vinyl ether	45.8	
10061-01-5	cis-1,3-Dichloropropene	54.1	
108-10-1	4-Methyl-2-Pentanone	228	
108-88-3	Toluene	50.0	
10061-02-6	trans-1,3-Dichloropropene	47.3	
	Ethyl Methacrylate	48.6	
79-00-5	1,1,2-Trichloroethane	52.3	
127-18-4	Tetrachloroethene	50.3	
142-28-9	1,3-Dichloropropane	51.6	
591-78-6	2-Hexanone	278	
124-48-1	Dibromochloromethane	58.9	
106-93-4	1,2-Dibromoethane	52.0	
108-90-7	Chlorobenzene	51.2	
630-20-6	1,1,1,2-Tetrachloroethane	59.8	
100-41-4	Ethylbenzene	50.2	
7816-60-0	m&p-Xylene	97.9	
95-47-6	o-Xylene	51.7	
100-42-5	Styrene	51.3	
75-25-2	Bromoform	49.4	
98-82-8	Isopropylbenzene	51.7	
108-86-1	Bromobenzene	46.1	
79-34-5	1,1,2,2-Tetrachloroethane	46.5	
96-18-4	1,2,3-Trichloropropane	43.6	
	trans-1,4-Dichloro-2-butene	40.9	
103-65-1	n-Propylbenzene	48.9	
95-49-8	2-Chlorotoluene	51.0	
108-67-8	1,3,5-Trimethylbenzene	49.9	
106-43-4	4-Chlorotoluene	51.0	
98-06-6	tert-Butylbenzene	40.4	
95-63-6	1,2,4-Trimethylbenzene	48.8	
135-98-8	sec-Butylbenzene	50.6	
541-73-1	1,3-Dichlorobenzene	52.9	
99-87-6	p-Isopropyltoluene	50.1	
106-46-7	1,4-Dichlorobenzene	51.1	
104-51-8	n-Butylbenzene	49.6	
95-50-1	1,2-Dichlorobenzene	52.4	
96-12-8	1,2-Dibromo-3-chloropropane	44.3	
120-82-1	1,2,4-Trichlorobenzene	50.2	
87-68-3	Hexachlorobutadiene	54.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

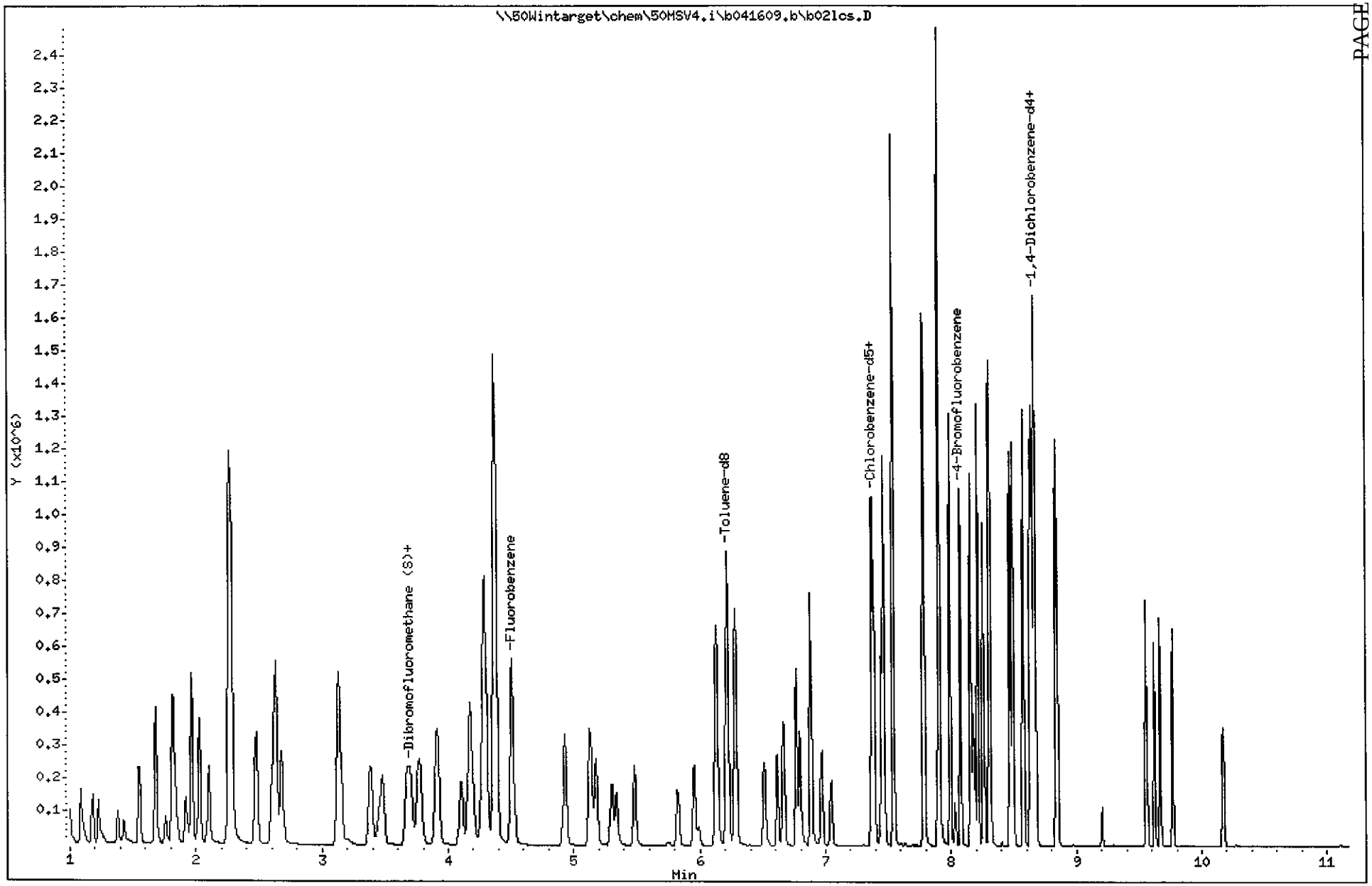
Client Name:
Lab Smp Id: 287770
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	43.9	
87-61-6	1,2,3-Trichlorobenzene	50.3	
	2,methyl-naphthalene	38.2	
1868-53-7	Dibromofluoromethane (S)	50.1	
2037-26-5	Toluene-d8	49.4	
460-00-4	4-Bromofluorobenzene	49.1	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b02lcs.D
Date : 16-APR-2009 08:42
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b02lcs.D

Date : 16-APR-2009 08:42

Client ID: lcs

Instrument: 50MSV4.i

Sample Info: lcs

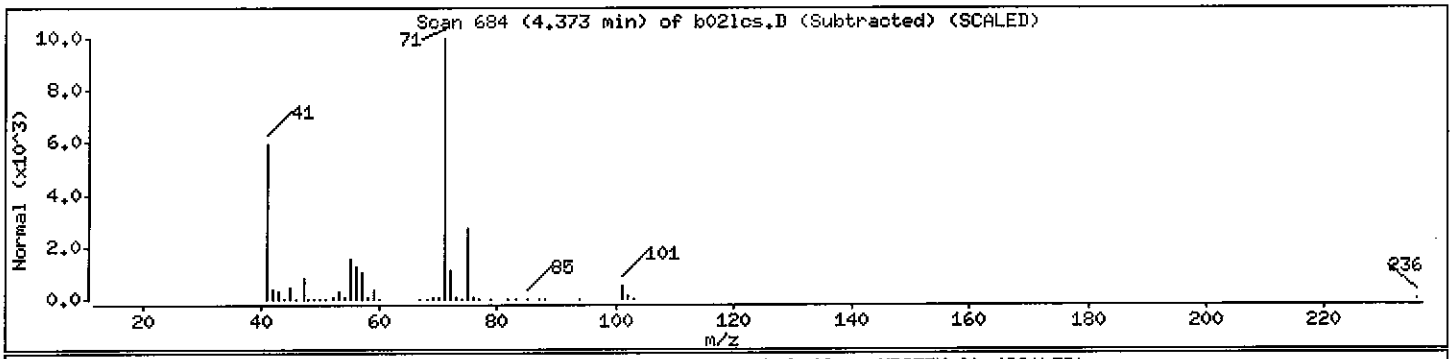
Purge Volume: 5.0

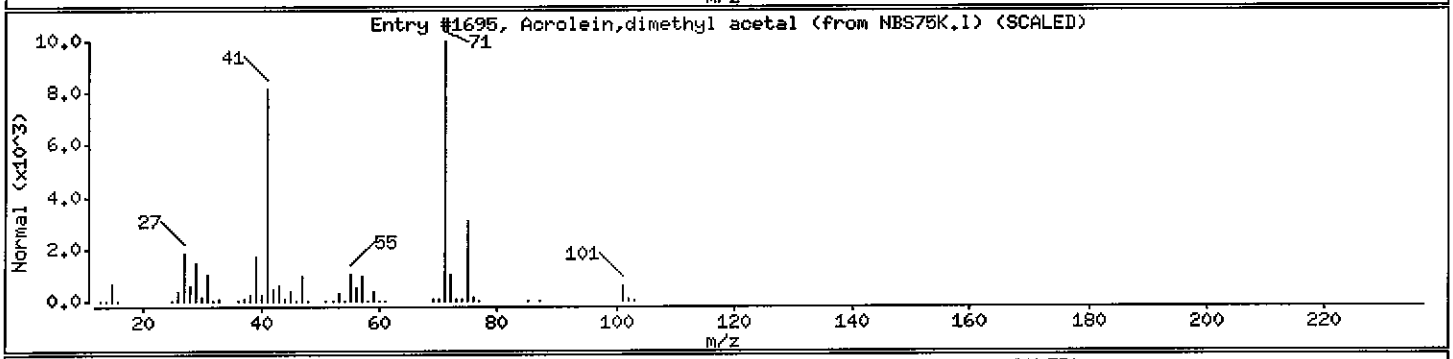
Operator: slb

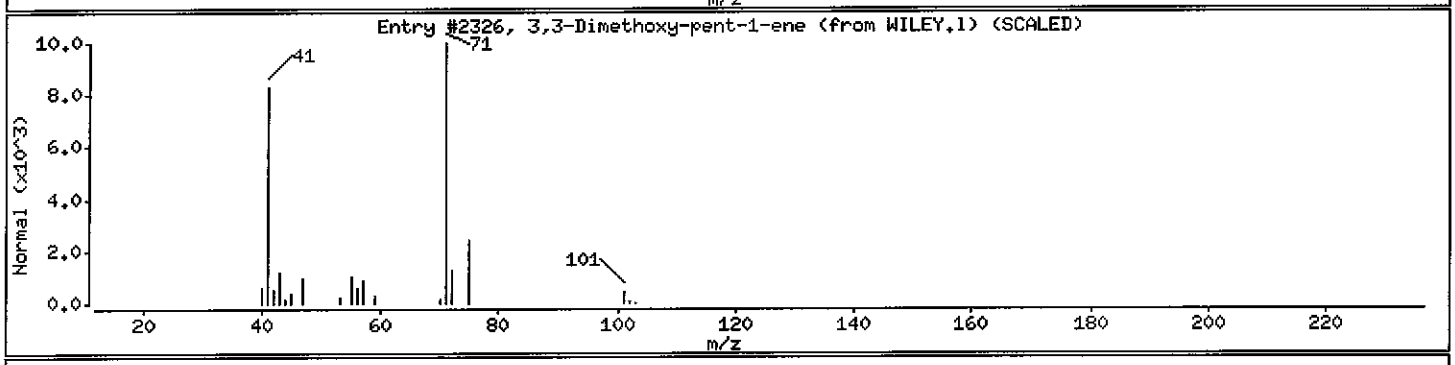
Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acrolein,dimethyl acetal	6044-68-4	NBS75K.l	1695	78	C5H10O2	102
3,3-Dimethoxy-pent-1-ene	0-00-0	WILEY.l	2326	49	C5H10O2	102







Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b10.D
Lab Smp Id: 287771 Client Smp ID: ms000006
Inj Date : 16-APR-2009 12:40
Operator : slb Inst ID: 50MSV4.i
Smp Info : ms5025200006
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 22 QC Sample: MS
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	1.086	1.086	(0.242)	154724	62.2192	62.2
2 Chloromethane	50	1.173	1.173	(0.261)	122121	42.5138	42.5
3 Vinyl Chloride	62	1.226	1.226	(0.273)	124464	50.6473	50.6
4 Bromomethane	94	1.377	1.377	(0.307)	48199	60.7191	60.7
5 Chloroethane	64	1.424	1.424	(0.317)	60902	50.3108	50.3
6 Trichlorofluoromethane	101	1.546	1.546	(0.344)	151247	53.8998	53.9
7 1,2-dichlorotrifluoroethane	67	1.669	1.675	(0.372)	103507	52.5187	52.5
8 Diethyl ether	74	1.680	1.680	(0.374)	40706	83.9641	84.0
18 2-methyl-2-propanol	59	1.680	1.680	(0.374)	57779	82.9306	82.9
9 Acrolein	56	1.750	1.756	(0.390)	200588	797.904	798
10 1,1,2trichlorotrifluoroethane	101	1.803	1.809	(0.402)	94720	62.6512	62.6
11 1,1-Dichloroethene	96	1.814	1.820	(0.404)	80523	54.0425	54.0
12 Acetone	43	1.832	1.838	(0.408)	80076	168.345	168
13 Iodomethane	142	1.908	1.919	(0.425)	159152	116.010	116
14 Carbon Disulfide	76	1.954	1.960	(0.435)	535398	124.052	124
16 Methyl Acetate	43	2.013	2.024	(0.448)	41971	32.9122	32.9
15 allyl chloride	41	2.013	2.024	(0.448)	234326	78.7718	78.8
17 Methylene Chloride	84	2.088	2.100	(0.465)	82628	43.4499	43.4
19 Acrylonitrile	53	2.246	2.257	(0.500)	618519	805.200	805
20 Methyl-tert-butyl ether	73	2.263	2.275	(0.504)	472930	94.4208	94.4
21 1,2-Dichloroethene (trans)	96	2.269	2.281	(0.505)	108902	57.1786	57.2
22 n-Hexane	57	2.461	2.479	(0.548)	134270	49.2363	49.2
23 1,1-Dichloroethane	63	2.584	2.601	(0.576)	185612	45.2568	45.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	24 Vinyl Acetate	43	2.613	2.630	(0.582)	409260	99.1799	99.2
	26 1,2-Dichloroethene (cis)	96	3.108	3.126	(0.692)	118982	53.0607	53.1
	27 2,2-Dichloropropane	77	3.108	3.132	(0.692)	69198	31.9951	32.0
	28 2-Butanone	43	3.120	3.143	(0.695)	172482	170.537	170
	30 Bromochloromethane	49	3.365	3.382	(0.749)	94274	45.3335	45.3
	32 Chloroform	83	3.452	3.476	(0.769)	316938	85.1247	85.1(R)
$	33 Dibromofluoromethane (S)	113	3.645	3.668	(0.812)	132927	49.1356	49.1
	34 1,1,1-Trichloroethane	97	3.674	3.697	(0.818)	151187	56.1671	56.2
	35 Cyclohexane	56	3.744	3.767	(0.834)	181472	52.7280	52.7
	145 isopropyl acetate	61	1.226	1.226	(0.273)	10010	119.954	120(Q)
	36 Carbon Tetrachloride	117	3.889	3.907	(0.866)	132361	61.7482	61.7
	37 1,1-Dichloropropene	75	3.884	3.907	(0.865)	154586	54.3591	54.4
	39 Benzene	78	4.146	4.169	(0.923)	458915	51.2782	51.3
	141 2,2,4-Trimethylpentane	57	4.251	4.268	(0.947)	279419	44.8805	44.9
	40 1,2-Dichloroethane	62	4.175	4.198	(0.930)	126631	43.3645	43.4
	38 Isobutyl alcohol	43	4.268	4.268	(0.951)	649681	2896.51	2900(Q)
*	41 Fluorobenzene	96	4.490	4.507	(1.000)	566585	50.0000	
	42 Trichloroethene	95	4.909	4.927	(1.093)	121936	55.6511	55.6
	43 Methylcyclohexane	55	5.113	5.131	(1.139)	139349	51.0398	51.0
	44 1,2-Dichloropropane	63	5.160	5.178	(1.149)	122166	50.8618	50.9
	45 Dibromomethane	93	5.282	5.300	(1.177)	61999	51.0351	51.0
	46 Methyl methacrylate	69	5.323	5.341	(1.186)	58819	42.1063	42.1
	47 Bromodichloromethane	83	5.469	5.487	(1.218)	140686	52.3210	52.3
	49 cis-1,3-Dichloropropene	75	5.941	5.953	(0.806)	144182	45.6090	45.6
	50 4-Methyl-2-Pentanone	43	6.122	6.133	(0.831)	373006	187.956	188
$	51 Toluene-d8	98	6.209	6.215	(0.843)	533562	48.4123	48.4
	52 Toluene	91	6.273	6.285	(0.851)	477798	50.3762	50.4
	53 trans-1,3-Dichloropropene	75	6.501	6.512	(0.882)	112789	38.0699	38.1
	54 Ethyl Methacrylate	69	6.606	6.617	(0.896)	108500	41.2589	41.2
	55 1,1,2-Trichloroethane	83	6.658	6.670	(0.904)	73879	48.5688	48.6
	56 Tetrachloroethene	166	6.763	6.769	(0.918)	126990	51.7102	51.7
	57 1,3-Dichloropropane	76	6.792	6.798	(0.922)	152369	47.2528	47.2
	58 2-Hexanone	43	6.879	6.885	(0.934)	253775	190.195	190
	59 Dibromochloromethane	129	6.961	6.967	(0.945)	97776	52.3561	52.4
	60 1,2-Dibromoethane	107	7.037	7.049	(0.955)	84603	46.8625	46.9
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	413680	50.0000	
	62 Chlorobenzene	112	7.387	7.392	(1.002)	315069	50.8325	50.8
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	106951	57.9195	57.9
	64 Ethylbenzene	106	7.462	7.468	(1.013)	170419	51.1595	51.2
	65 m&p-Xylene	106	7.538	7.544	(1.023)	414590	99.6337	99.6
	67 o-Xylene	106	7.777	7.777	(1.055)	200409	50.9398	50.9
	68 Styrene	104	7.789	7.789	(1.057)	333887	50.1715	50.2
	69 Bromoform	173	7.894	7.894	(0.911)	57766	42.4068	42.4
	70 Isopropylbenzene	105	7.993	7.993	(1.085)	501897	51.8448	51.8
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	208315	49.0763	49.1
	74 Bromobenzene	77	8.150	8.156	(1.106)	191743	45.0724	45.1
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	102063	41.7397	41.7
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	97681	35.5994	35.6
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	19289	29.1826	29.2(Q)
	76 n-Propylbenzene	91	8.208	8.214	(0.948)	583376	47.7390	47.7
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	360214	50.1417	50.1
	78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	392582	48.4474	48.4
	79 4-Chlorotoluene	126	8.313	8.313	(0.960)	121301	48.3709	48.4
	80 tert-Butylbenzene	119	8.465	8.465	(0.977)	349452	40.1061	40.1

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	388921	47.0354	47.0
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	501203	49.8976	49.9
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	228513	49.7864	49.8
84 p-Isopropyltoluene	119	8.640	8.640	(0.997)	407832	48.2161	48.2
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	238529	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	232586	48.3479	48.3
87 n-Butylbenzene	91	8.832	8.832	(1.020)	345693	44.9607	45.0
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	209416	49.0532	49.0
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	13555	37.1399	37.1
90 1,2,4-Trichlorobenzene	180	9.555	9.555	(1.103)	111161	40.2211	40.2
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	57293	44.8631	44.9
92 Naphthalene	128	9.666	9.666	(1.116)	228998	34.4453	34.4
93 1,2,3-Trichlorobenzene	180	9.765	9.765	(1.127)	93163	38.8364	38.8
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	52512	22.0186	22.0

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b10.D
Lab Smp Id: 287771
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: ms000006
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	566585	-16.26
61 Chlorobenzene-d5	494899	247450	989798	413680	-16.41
85 1,4-Dichlorobenze	266439	133220	532878	238529	-10.48

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.49	-0.39
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287771
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: ms000006
Operator: slb
SampleType: MS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	62.2	124.44	30-170
2 Chloromethane	50.0	42.5	85.03	35-147
3 Vinyl Chloride	50.0	50.6	101.29	55-141
4 Bromomethane	50.0	60.7	121.44	30-170
5 Chloroethane	50.0	50.3	100.62	56-153
6 Trichlorofluoromet	50.0	53.9	107.80	62-150
8 Diethyl ether	100	84.0	83.96	70-130
9 Acrolein	1000	798	79.79	30-170
11 1,1-Dichloroethene	50.0	54.0	108.09	63-128
10 1,1,2trichlorotrif	50.0	62.6	125.30	74-153
12 Acetone	250	168	67.34	30-170
13 Iodomethane	100	116	116.01	41-170
14 Carbon Disulfide	100	124	124.05	58-152
15 allyl chloride	100	78.8	78.77	70-130
17 Methylene Chloride	50.0	43.4	86.90	32-164
19 Acrylonitrile	1000	805	80.52	67-136
21 1,2-Dichloroethene	50.0	57.2	114.36	71-126
20 Methyl-tert-butyl	100	94.4	94.42	66-147
22 n-Hexane	50.0	49.2	98.47	69-157
23 1,1-Dichloroethane	50.0	45.2	90.51	67-133
24 Vinyl Acetate	200	99.2	49.59	41-145
27 2,2-Dichloropropan	50.0	32.0	63.99	52-144
26 1,2-Dichloroethene	50.0	53.1	106.12	74-128
28 2-Butanone	250	170	68.21	47-189
7 1,2-dichlorotriflu	50.0	52.5	105.04	54-162
30 Bromochloromethane	50.0	45.3	90.67	54-162
32 Chloroform	50.0	85.1	170.25*	74-131
34 1,1,1-Trichloroeth	50.0	56.2	112.33	69-136
36 Carbon Tetrachlori	50.0	61.7	123.50	62-143
37 1,1-Dichloropropen	50.0	54.4	108.72	75-134
39 Benzene	50.0	51.3	102.56	78-127
40 1,2-Dichloroethane	50.0	43.4	86.73	69-139
42 Trichloroethene	50.0	55.6	111.30	74-130
44 1,2-Dichloropropan	50.0	50.9	101.72	76-129
45 Dibromomethane	50.0	51.0	102.07	73-133
46 Methyl methacrylat	50.0	42.1	84.21	70-130
47 Bromodichlorometha	50.0	52.3	104.64	69-133
49 cis-1,3-Dichloropr	50.0	45.6	91.22	54-123
50 4-Methyl-2-Pentano	250	188	75.18	61-135
52 Toluene	50.0	50.4	100.75	75-129

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
53 trans-1,3-Dichloro	50.0	38.1	76.14	54-123
54 Ethyl Methacrylate	50.0	41.2	82.52	59-138
55 1,1,2-Trichloroeth	50.0	48.6	97.14	77-132
56 Tetrachloroethene	50.0	51.7	103.42	60-119
57 1,3-Dichloropropan	50.0	47.2	94.51	74-126
58 2-Hexanone	250	190	76.08	57-167
59 Dibromochlorometha	50.0	52.4	104.71	66-131
60 1,2-Dibromoethane	50.0	46.9	93.72	75-126
62 Chlorobenzene	50.0	50.8	101.66	75-123
63 1,1,1,2-Tetrachlor	50.0	57.9	115.84	69-130
64 Ethylbenzene	50.0	51.2	102.32	81-126
65 m&p-Xylene	100	99.6	99.63	71-131
67 o-Xylene	50.0	50.9	101.88	72-127
68 Styrene	50.0	50.2	100.34	74-128
69 Bromoform	50.0	42.4	84.81	60-127
70 Isopropylbenzene	50.0	51.8	103.69	80-130
71 trans-1,4-Dichloro	50.0	29.2	58.37	50-150
74 Bromobenzene	50.0	45.1	90.14	62-139
73 1,1,2,2-Tetrachlor	50.0	41.7	83.48	69-130
75 1,2,3-Trichloropro	50.0	35.6	71.20	60-131
76 n-Propylbenzene	50.0	47.7	95.48	71-132
77 2-Chlorotoluene	50.0	50.1	100.28	72-128
79 4-Chlorotoluene	50.0	48.4	96.74	73-124
78 1,3,5-Trimethylben	50.0	48.4	96.89	74-130
80 tert-Butylbenzene	50.0	40.1	80.21	63-117
81 1,2,4-Trimethylben	50.0	47.0	94.07	73-130
82 sec-Butylbenzene	50.0	49.9	99.80	73-130
83 1,3-Dichlorobenzen	50.0	49.8	99.57	76-125
84 p-Isopropyltoluene	50.0	48.2	96.43	66-131
86 1,4-Dichlorobenzen	50.0	48.3	96.70	75-122
88 1,2-Dichlorobenzen	50.0	49.0	98.11	76-124
87 n-Butylbenzene	50.0	45.0	89.92	68-135
89 1,2-Dibromo-3-chlo	50.0	37.1	74.28	61-125
90 1,2,4-Trichloroben	50.0	40.2	80.44	60-130
91 Hexachlorobutadien	50.0	44.9	89.73	70-130
92 Naphthalene	50.0	34.4	68.89	61-135
93 1,2,3-Trichloroben	50.0	38.8	77.67	58-131
16 Methyl Acetate	50.0	32.9	65.82	30-170
35 Cyclohexane	50.0	52.7	105.46	63-134
43 Methylcyclohexane	50.0	51.0	102.08	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.1	98.27	80-123
$ 51 Toluene-d8	50.0	48.4	96.82	80-116
$ 72 4-Bromofluorobenze	50.0	49.1	98.15	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287771
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: ms000006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	62.2	
74-87-3	Chloromethane	42.5	
75-01-4	Vinyl Chloride	50.6	
74-83-9	Bromomethane	60.7	
75-00-3	Chloroethane	50.3	
75-69-4	Trichlorofluoromethane	53.9	
354-23-4	1,2-dichlorotrifluoroethane	52.5	
60-29-7	Diethyl ether	84.0	
75-65-0	2-methyl-2-propanol	82.9	
107-02-8	Acrolein	798	
76-13-1	1,1,2trichlorotrifluoroethan	62.6	
75-35-4	1,1-Dichloroethene	54.0	
67-64-1	Acetone	168	
	Iodomethane	116	
75-15-0	Carbon Disulfide	124	
79-20-9	Methyl Acetate	32.9	
107-05-1	allyl chloride	78.8	
75-09-2	Methylene Chloride	43.4	
107-13-1	Acrylonitrile	805	
1634-04-4	Methyl-tert-butyl ether	94.4	
156-60-5	1,2-Dichloroethene (trans)	57.2	
	n-Hexane	49.2	
75-34-3	1,1-Dichloroethane	45.2	
108-05-4	Vinyl Acetate	99.2	
156-59-2	1,2-Dichloroethene (cis)	53.1	
594-20-7	2,2-Dichloropropane	32.0	
78-93-3	2-Butanone	170	
74-97-5	Bromochloromethane	45.3	
67-66-3	Chloroform	85.1	
71-55-6	1,1,1-Trichloroethane	56.2	
110-82-7	Cyclohexane	52.7	
108-21-4	isopropyl acetate	120	
56-23-5	Carbon Tetrachloride	61.7	
563-58-6	1,1-Dichloropropene	54.4	
71-43-2	Benzene	51.3	
540-84-1	2,2,4-Trimethylpentane	44.9	
107-06-2	1,2-Dichloroethane	43.4	
78-83-1	Isobutyl alcohol	2900	
79-01-6	Trichloroethene	55.6	
108-87-2	Methylcyclohexane	51.0	
78-87-5	1,2-Dichloropropane	50.9	
74-95-3	Dibromomethane	51.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287771
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: ms000006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
80-62-6	Methyl methacrylate	42.1	
75-27-4	Bromodichloromethane	52.3	
10061-01-5	cis-1,3-Dichloropropene	45.6	
108-10-1	4-Methyl-2-Pentanone	188	
108-88-3	Toluene	50.4	
10061-02-6	trans-1,3-Dichloropropene	38.1	
	Ethyl Methacrylate	41.2	
79-00-5	1,1,2-Trichloroethane	48.6	
127-18-4	Tetrachloroethene	51.7	
142-28-9	1,3-Dichloropropane	47.2	
591-78-6	2-Hexanone	190	
124-48-1	Dibromochloromethane	52.4	
106-93-4	1,2-Dibromoethane	46.9	
108-90-7	Chlorobenzene	50.8	
630-20-6	1,1,1,2-Tetrachloroethane	57.9	
100-41-4	Ethylbenzene	51.2	
7816-60-0	m&p-Xylene	99.6	
95-47-6	o-Xylene	50.9	
100-42-5	Styrene	50.2	
75-25-2	Bromoform	42.4	
98-82-8	Isopropylbenzene	51.8	
108-86-1	Bromobenzene	45.1	
79-34-5	1,1,2,2-Tetrachloroethane	41.7	
96-18-4	1,2,3-Trichloropropane	35.6	
	trans-1,4-Dichloro-2-butene	29.2	
103-65-1	n-Propylbenzene	47.7	
95-49-8	2-Chlorotoluene	50.1	
108-67-8	1,3,5-Trimethylbenzene	48.4	
106-43-4	4-Chlorotoluene	48.4	
98-06-6	tert-Butylbenzene	40.1	
95-63-6	1,2,4-Trimethylbenzene	47.0	
135-98-8	sec-Butylbenzene	49.9	
541-73-1	1,3-Dichlorobenzene	49.8	
99-87-6	p-Isopropyltoluene	48.2	
106-46-7	1,4-Dichlorobenzene	48.3	
104-51-8	n-Butylbenzene	45.0	
95-50-1	1,2-Dichlorobenzene	49.0	
96-12-8	1,2-Dibromo-3-chloropropane	37.1	
120-82-1	1,2,4-Trichlorobenzene	40.2	
87-68-3	Hexachlorobutadiene	44.9	
91-20-3	Naphthalene	34.4	
87-61-6	1,2,3-Trichlorobenzene	38.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

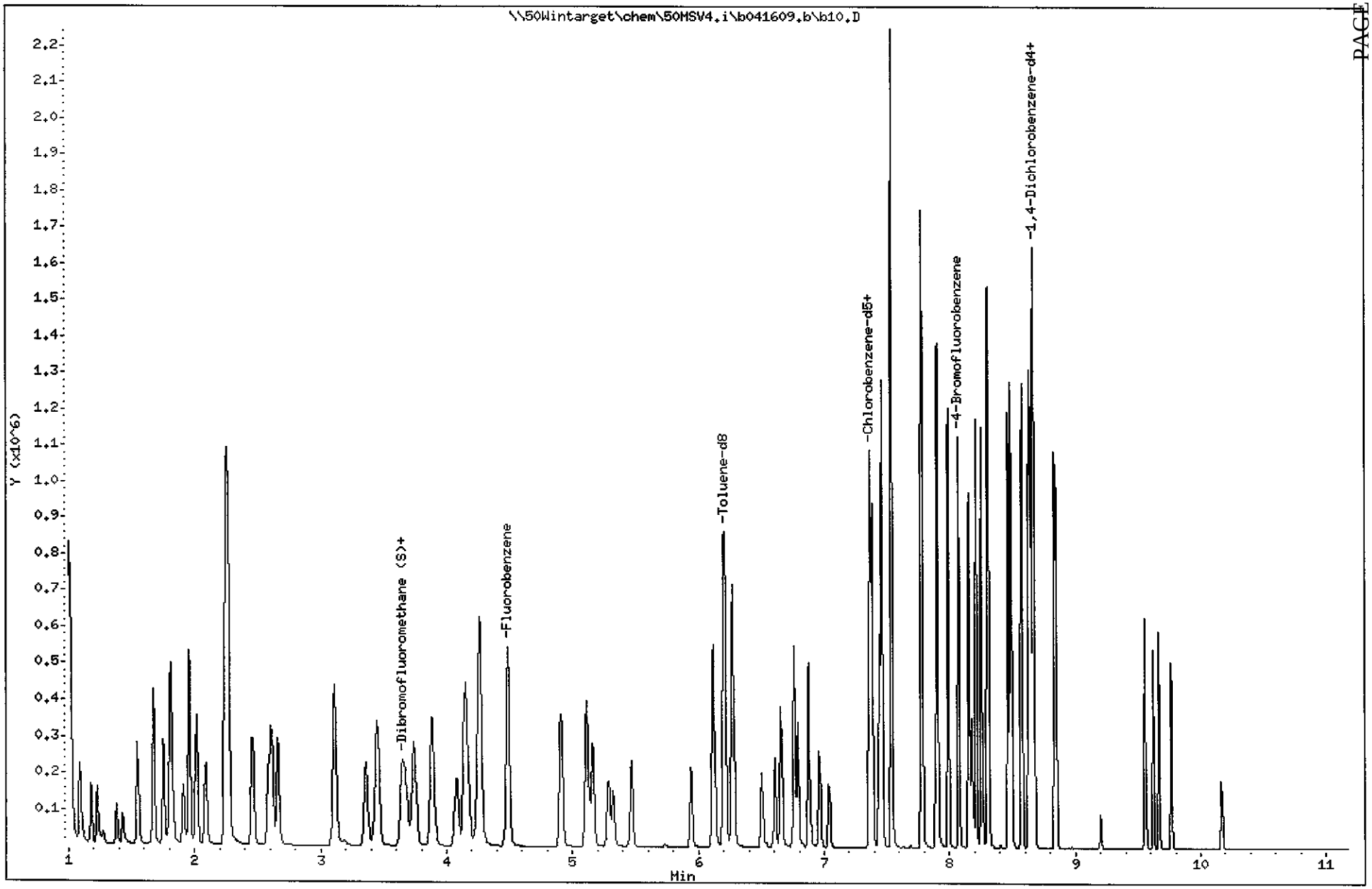
Client Name:
Lab Smp Id: 287771
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: ms000006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
----------	2,methyl-naphthalene	22.0	
1868-53-7	Dibromofluoromethane (S)	49.1	
2037-26-5	Toluene-d8	48.4	
460-00-4	4-Bromofluorobenzene	49.1	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b10.D
Date : 16-APR-2009 12:40
Client ID: ms000006
Sample Info: ms5025200006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b10.D

Date : 16-APR-2009 12:40

Client ID: ms000006

Instrument: 50MSV4.i

Sample Info: ms5025200006

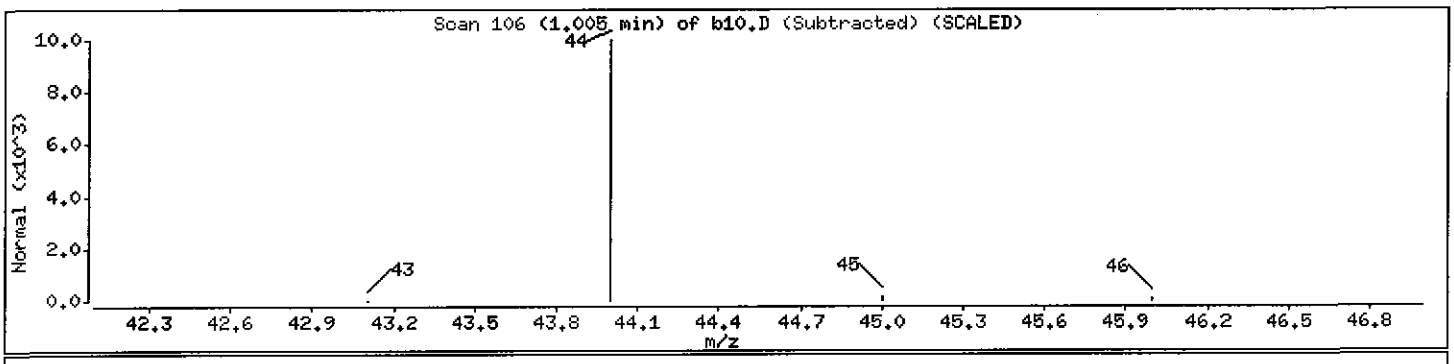
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\d02lcs.D
Lab Smp Id: 287774 Client Smp ID: lcs
Inj Date : 16-APR-2009 19:37
Operator : slb Inst ID: 50MSV4.i
Smp Info : lcs
Misc Info : 15689
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 50 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	1.086	1.086	(0.242)	133461	54.8838	54.9
2 Chloromethane	50	1.173	1.173	(0.261)	112656	40.1067	40.1
3 Vinyl Chloride	62	1.226	1.226	(0.273)	109643	45.6265	45.6
4 Bromomethane	94	1.377	1.377	(0.306)	51201	68.5005	68.5
5 Chloroethane	64	1.424	1.424	(0.317)	57146	48.2768	48.3
6 Trichlorofluoromethane	101	1.546	1.546	(0.344)	129661	47.2534	47.2
7 1,2-dichlorotrifluoroethane	67	1.669	1.675	(0.371)	96090	49.8592	49.8
8 Diethyl ether	74	1.675	1.680	(0.373)	42421	89.4828	89.5
18 2-methyl-2-propanol	59	1.680	1.680	(0.374)	59452	87.2639	87.3
9 Acrolein	56	1.750	1.756	(0.389)	42093	171.230	171(R)
10 1,1,2trichlorotrifluoroethane	101	1.803	1.809	(0.401)	87034	58.8707	58.9
11 1,1-Dichloroethene	96	1.814	1.820	(0.404)	76009	52.1679	52.2
12 Acetone	43	1.832	1.838	(0.408)	128851	274.694	275
13 Iodomethane	142	1.914	1.919	(0.426)	195204	148.034	148
14 Carbon Disulfide	76	1.954	1.960	(0.435)	497525	117.590	118
16 Methyl Acetate	43	2.018	2.024	(0.449)	63463	51.2538	51.2
15 allyl chloride	41	2.013	2.024	(0.448)	230207	79.1393	79.1
17 Methylene Chloride	84	2.088	2.100	(0.465)	82795	44.5479	44.5
19 Acrylonitrile	53	2.252	2.257	(0.501)	622122	828.227	828
20 Methyl-tert-butyl ether	73	2.269	2.275	(0.505)	483788	98.7754	98.8
21 1,2-Dichloroethene (trans)	96	2.275	2.281	(0.506)	106413	57.1368	57.1
22 n-Hexane	57	2.467	2.479	(0.549)	136414	51.1551	51.2
23 1,1-Dichloroethane	63	2.590	2.601	(0.576)	187094	46.6510	46.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
	24 Vinyl Acetate	43	2.619	2.630	(0.583)	453200	112.315	112
	26 1,2-Dichloroethene (cis)	96	3.114	3.126	(0.693)	115345	52.6034	52.6
	27 2,2-Dichloropropane	77	3.120	3.132	(0.694)	101212	47.8569	47.8
	28 2-Butanone	43	3.126	3.143	(0.695)	210837	213.180	213
	30 Bromochloromethane	49	3.371	3.382	(0.750)	91584	45.0371	45.0
	31 Tetrahydrofuran	42	3.429	3.446	(0.763)	43081	11.7239	11.7
	32 Chloroform	83	3.464	3.476	(0.771)	179241	49.2314	49.2
$	33 Dibromofluoromethane (S)	113	3.656	3.668	(0.813)	128217	48.4676	48.5
	34 1,1,1-Trichloroethane	97	3.685	3.697	(0.820)	143203	54.4055	54.4
	35 Cyclohexane	56	3.750	3.767	(0.834)	157401	46.7694	46.8
	145 isopropyl acetate	61	1.226	1.226	(0.273)	8961	109.815	110(Q)
	36 Carbon Tetrachloride	117	3.895	3.907	(0.866)	120895	57.6761	57.7
	37 1,1-Dichloropropene	75	3.895	3.907	(0.866)	140767	50.6205	50.6
	39 Benzene	78	4.158	4.169	(0.925)	430383	49.1789	49.2
	141 2,2,4-Trimethylpentane	57	4.262	4.268	(0.948)	252484	41.3793	41.4
	40 1,2-Dichloroethane	62	4.181	4.198	(0.930)	123480	43.2429	43.2
	38 Isobutyl alcohol	43	4.274	4.268	(0.951)	750105	3421.83	3420(Q)
*	41 Fluorobenzene	96	4.496	4.507	(1.000)	554041	50.0000	
	42 Trichloroethene	95	4.915	4.927	(1.093)	121564	56.7375	56.7
	43 Methylcyclohexane	55	5.125	5.131	(1.140)	127260	47.5754	47.6
	44 1,2-Dichloropropane	63	5.166	5.178	(1.149)	123300	52.4962	52.5
	45 Dibromomethane	93	5.294	5.300	(1.178)	63022	53.0517	53.0
	46 Methyl methacrylate	69	5.329	5.341	(1.185)	58235	42.5823	42.6
	47 Bromodichloromethane	83	5.475	5.487	(1.218)	140600	53.4729	53.5
	48 2-Chloroethyl vinyl ether	63	5.819	5.825	(0.790)	60823	42.9335	42.9
	49 cis-1,3-Dichloropropene	75	5.947	5.953	(0.807)	158758	50.2073	50.2
	50 4-Methyl-2-Pentanone	43	6.122	6.133	(0.831)	382097	192.489	192
$	51 Toluene-d8	98	6.215	6.215	(0.843)	535974	48.6191	48.6
	52 Toluene	91	6.279	6.285	(0.852)	473667	49.9282	49.9
	53 trans-1,3-Dichloropropene	75	6.506	6.512	(0.883)	123603	41.4829	41.5
	54 Ethyl Methacrylate	69	6.611	6.617	(0.897)	111783	42.4263	42.4
	55 1,1,2-Trichloroethane	83	6.664	6.670	(0.904)	74014	48.6454	48.6
	56 Tetrachloroethene	166	6.763	6.769	(0.918)	123120	50.1218	50.1
	57 1,3-Dichloropropane	76	6.792	6.798	(0.922)	154589	47.9293	47.9
	58 2-Hexanone	43	6.880	6.885	(0.934)	299993	224.777	225
	59 Dibromochloromethane	129	6.967	6.967	(0.945)	97967	52.4453	52.4
	60 1,2-Dibromoethane	107	7.043	7.049	(0.956)	85666	47.4395	47.4
*	61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	413783	50.0000	
	62 Chlorobenzene	112	7.387	7.392	(1.002)	321205	51.8096	51.8
	63 1,1,1,2-Tetrachloroethane	131	7.445	7.445	(1.010)	105169	56.9403	56.9
	64 Ethylbenzene	106	7.462	7.468	(1.013)	167049	50.1354	50.1
	65 m&p-Xylene	106	7.538	7.544	(1.023)	407167	97.8254	97.8
	67 o-Xylene	106	7.777	7.777	(1.055)	201028	51.0844	51.1
	68 Styrene	104	7.789	7.789	(1.057)	337388	50.6849	50.7
	69 Bromoform	173	7.894	7.894	(0.911)	57243	42.8262	42.8
	70 Isopropylbenzene	105	7.993	7.993	(1.085)	493003	50.8822	50.9
$	72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	206485	48.6331	48.6
	74 Bromobenzene	77	8.150	8.156	(1.106)	192878	45.3279	45.3
	73 1,1,2,2-Tetrachloroethane	83	8.156	8.156	(0.941)	95069	39.6535	39.6
	75 1,2,3-Trichloropropane	75	8.179	8.179	(0.944)	101920	37.6104	37.6
	71 trans-1,4-Dichloro-2-butene	53	8.185	8.185	(1.111)	21183	31.6832	31.7
	76 n-Propylbenzene	91	8.214	8.214	(0.948)	577695	48.2313	48.2
	77 2-Chlorotoluene	91	8.255	8.255	(0.953)	352253	50.0072	50.0
	78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	392451	49.4275	49.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
79 4-Chlorotoluene	126	8.313	8.313	(0.960)	126440	51.5535	51.6
80 tert-Butylbenzene	119	8.465	8.465	(0.977)	343578	40.2215	40.2
81 1,2,4-Trimethylbenzene	105	8.488	8.488	(0.980)	385593	47.6016	47.6
82 sec-Butylbenzene	105	8.576	8.576	(0.990)	502507	51.0673	51.1
83 1,3-Dichlorobenzene	146	8.628	8.628	(0.996)	231996	51.5733	51.6
84 p-Isopropyltoluene	119	8.640	8.640	(0.997)	413106	49.8719	49.9
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	233873	50.0000	
86 1,4-Dichlorobenzene	146	8.675	8.675	(1.001)	238119	50.5285	50.5
87 n-Butylbenzene	91	8.832	8.832	(1.020)	358174	47.5825	47.6
88 1,2-Dichlorobenzene	146	8.850	8.850	(1.022)	215454	51.5082	51.5
89 1,2-Dibromo-3-chloropropane	155	9.199	9.199	(1.062)	13645	38.0013	38.0
90 1,2,4-Trichlorobenzene	180	9.555	9.555	(1.103)	133691	49.3124	49.3
91 Hexachlorobutadiene	225	9.625	9.625	(1.111)	63487	50.8169	50.8
92 Naphthalene	128	9.666	9.666	(1.116)	255434	38.9277	38.9
93 1,2,3-Trichlorobenzene	180	9.765	9.765	(1.127)	112079	47.3216	47.3
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	89198	32.4399	32.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: d02lcs.D
Lab Smp Id: 287774
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15689

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: lcs
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	554041	-18.11
61 Chlorobenzene-d5	494899	247450	989798	413783	-16.39
85 1,4-Dichlorobenze	266439	133220	532878	233873	-12.22

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.50	-0.26
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287774
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15689

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: lcs
Operator: slb
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
1 Dichlorodifluorome	50.0	54.9	109.77	30-170
2 Chloromethane	50.0	40.1	80.21	35-147
3 Vinyl Chloride	50.0	45.6	91.25	55-141
4 Bromomethane	50.0	68.5	137.00	30-170
5 Chloroethane	50.0	48.3	96.55	56-153
6 Trichlorofluoromet	50.0	47.2	94.51	62-150
8 Diethyl ether	100	89.5	89.48	70-130
9 Acrolein	1000	171	17.12*	30-170
11 1,1-Dichloroethene	50.0	52.2	104.34	63-128
10 1,1,2trichlorotrif	50.0	58.9	117.74	74-153
12 Acetone	250	275	109.88	30-170
13 Iodomethane	100	148	148.03	41-170
14 Carbon Disulfide	100	118	117.59	58-152
15 allyl chloride	100	79.1	79.14	70-130
17 Methylene Chloride	50.0	44.5	89.10	32-164
19 Acrylonitrile	1000	828	82.82	67-136
21 1,2-Dichloroethene	50.0	57.1	114.27	71-126
20 Methyl-tert-butyl	100	98.8	98.78	66-147
22 n-Hexane	50.0	51.2	102.31	69-157
23 1,1-Dichloroethane	50.0	46.6	93.30	67-133
24 Vinyl Acetate	200	112	56.16	41-145
27 2,2-Dichloropropan	50.0	47.8	95.71	52-144
26 1,2-Dichloroethene	50.0	52.6	105.21	74-128
28 2-Butanone	250	213	85.27	47-189
7 1,2-dichlorotriflu	50.0	49.8	99.72	54-162
30 Bromochloromethane	50.0	45.0	90.07	54-162
32 Chloroform	50.0	49.2	98.46	74-131
34 1,1,1-Trichloroeth	50.0	54.4	108.81	69-136
36 Carbon Tetrachlori	50.0	57.7	115.35	62-143
37 1,1-Dichloropropen	50.0	50.6	101.24	75-134
39 Benzene	50.0	49.2	98.36	78-127
40 1,2-Dichloroethane	50.0	43.2	86.49	69-139
42 Trichloroethene	50.0	56.7	113.48	74-130
44 1,2-Dichloropropan	50.0	52.5	104.99	76-129
45 Dibromomethane	50.0	53.0	106.10	73-133
46 Methyl methacrylat	50.0	42.6	85.16	70-130
47 Bromodichlorometha	50.0	53.5	106.95	69-133
49 cis-1,3-Dichloropr	50.0	50.2	100.41	54-123
50 4-Methyl-2-Pentano	250	192	77.00	61-135
52 Toluene	50.0	49.9	99.86	75-129

SPIKE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
53 trans-1,3-Dichloro	50.0	41.5	82.97	54-123
54 Ethyl Methacrylate	50.0	42.4	84.85	59-138
55 1,1,2-Trichloroeth	50.0	48.6	97.29	77-132
56 Tetrachloroethene	50.0	50.1	100.24	60-119
57 1,3-Dichloropropan	50.0	47.9	95.86	74-126
58 2-Hexanone	250	225	89.91	57-167
59 Dibromochlorometha	50.0	52.4	104.89	66-131
60 1,2-Dibromoethane	50.0	47.4	94.88	75-126
62 Chlorobenzene	50.0	51.8	103.62	75-123
63 1,1,1,2-Tetrachlor	50.0	56.9	113.88	69-130
64 Ethylbenzene	50.0	50.1	100.27	81-126
65 m&p-Xylene	100	97.8	97.83	71-131
67 o-Xylene	50.0	51.1	102.17	72-127
68 Styrene	50.0	50.7	101.37	74-128
69 Bromoform	50.0	42.8	85.65	60-127
70 Isopropylbenzene	50.0	50.9	101.76	80-130
71 trans-1,4-Dichloro	50.0	31.7	63.37	50-150
74 Bromobenzene	50.0	45.3	90.66	62-139
73 1,1,2,2-Tetrachlor	50.0	39.6	79.31	69-130
75 1,2,3-Trichloropro	50.0	37.6	75.22	60-131
76 n-Propylbenzene	50.0	48.2	96.46	71-132
77 2-Chlorotoluene	50.0	50.0	100.01	72-128
79 4-Chlorotoluene	50.0	51.6	103.11	73-124
78 1,3,5-Trimethylben	50.0	49.4	98.85	74-130
80 tert-Butylbenzene	50.0	40.2	80.44	63-117
81 1,2,4-Trimethylben	50.0	47.6	95.20	73-130
82 sec-Butylbenzene	50.0	51.1	102.13	73-130
83 1,3-Dichlorobenzen	50.0	51.6	103.15	76-125
84 p-Isopropyltoluene	50.0	49.9	99.74	66-131
86 1,4-Dichlorobenzen	50.0	50.5	101.06	75-122
88 1,2-Dichlorobenzen	50.0	51.5	103.02	76-124
87 n-Butylbenzene	50.0	47.6	95.17	68-135
89 1,2-Dibromo-3-chlo	50.0	38.0	76.00	61-125
90 1,2,4-Trichloroben	50.0	49.3	98.62	60-130
91 Hexachlorobutadien	50.0	50.8	101.63	70-130
92 Naphthalene	50.0	38.9	77.86	61-135
93 1,2,3-Trichloroben	50.0	47.3	94.64	58-131
16 Methyl Acetate	50.0	51.2	102.51	30-170
35 Cyclohexane	50.0	46.8	93.54	63-134
43 Methylcyclohexane	50.0	47.6	95.15	65-135

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.5	96.94	80-123
$ 51 Toluene-d8	50.0	48.6	97.24	80-116
$ 72 4-Bromofluorobenze	50.0	48.6	97.27	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287774
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15689

Client SDG: b041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-71-8	Dichlorodifluoromethane	54.9	
74-87-3	Chloromethane	40.1	
75-01-4	Vinyl Chloride	45.6	
74-83-9	Bromomethane	68.5	
75-00-3	Chloroethane	48.3	
75-69-4	Trichlorofluoromethane	47.2	
354-23-4	1,2-dichlorotrifluoroethane	49.8	
60-29-7	Diethyl ether	89.5	
75-65-0	2-methyl-2-propanol	87.3	
107-02-8	Acrolein	171	
76-13-1	1,1,2trichlorotrifluoroethan	58.9	
75-35-4	1,1-Dichloroethene	52.2	
67-64-1	Acetone	275	
	Iodomethane	148	
75-15-0	Carbon Disulfide	118	
79-20-9	Methyl Acetate	51.2	
107-05-1	allyl chloride	79.1	
75-09-2	Methylene Chloride	44.5	
107-13-1	Acrylonitrile	828	
1634-04-4	Methyl-tert-butyl ether	98.8	
156-60-5	1,2-Dichloroethene (trans)	57.1	
	n-Hexane	51.2	
75-34-3	1,1-Dichloroethane	46.6	
108-05-4	Vinyl Acetate	112	
156-59-2	1,2-Dichloroethene (cis)	52.6	
594-20-7	2,2-Dichloropropane	47.8	
78-93-3	2-Butanone	213	
74-97-5	Bromochloromethane	45.0	
	Tetrahydrofuran	11.7	
67-66-3	Chloroform	49.2	
71-55-6	1,1,1-Trichloroethane	54.4	
110-82-7	Cyclohexane	46.8	
108-21-4	isopropyl acetate	110	
56-23-5	Carbon Tetrachloride	57.7	
563-58-6	1,1-Dichloropropene	50.6	
71-43-2	Benzene	49.2	
540-84-1	2,2,4-Trimethylpentane	41.4	
107-06-2	1,2-Dichloroethane	43.2	
78-83-1	Isobutyl alcohol	3420	
79-01-6	Trichloroethene	56.7	
108-87-2	Methylcyclohexane	47.6	
78-87-5	1,2-Dichloropropane	52.5	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 287774
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15689

Client SDG: b041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
74-95-3	Dibromomethane	53.0	
80-62-6	Methyl methacrylate	42.6	
75-27-4	Bromodichloromethane	53.5	
110-75-8	2-Chloroethyl vinyl ether	42.9	
10061-01-5	cis-1,3-Dichloropropene	50.2	
108-10-1	4-Methyl-2-Pentanone	192	
108-88-3	Toluene	49.9	
10061-02-6	trans-1,3-Dichloropropene	41.5	
	Ethyl Methacrylate	42.4	
79-00-5	1,1,2-Trichloroethane	48.6	
127-18-4	Tetrachloroethene	50.1	
142-28-9	1,3-Dichloropropane	47.9	
591-78-6	2-Hexanone	225	
124-48-1	Dibromochloromethane	52.4	
106-93-4	1,2-Dibromoethane	47.4	
108-90-7	Chlorobenzene	51.8	
630-20-6	1,1,1,2-Tetrachloroethane	56.9	
100-41-4	Ethylbenzene	50.1	
7816-60-0	m&p-Xylene	97.8	
95-47-6	o-Xylene	51.1	
100-42-5	Styrene	50.7	
75-25-2	Bromoform	42.8	
98-82-8	Isopropylbenzene	50.9	
108-86-1	Bromobenzene	45.3	
79-34-5	1,1,2,2-Tetrachloroethane	39.6	
96-18-4	1,2,3-Trichloropropane	37.6	
	trans-1,4-Dichloro-2-butene	31.7	
103-65-1	n-Propylbenzene	48.2	
95-49-8	2-Chlorotoluene	50.0	
108-67-8	1,3,5-Trimethylbenzene	49.4	
106-43-4	4-Chlorotoluene	51.6	
98-06-6	tert-Butylbenzene	40.2	
95-63-6	1,2,4-Trimethylbenzene	47.6	
135-98-8	sec-Butylbenzene	51.1	
541-73-1	1,3-Dichlorobenzene	51.6	
99-87-6	p-Isopropyltoluene	49.9	
106-46-7	1,4-Dichlorobenzene	50.5	
104-51-8	n-Butylbenzene	47.6	
95-50-1	1,2-Dichlorobenzene	51.5	
96-12-8	1,2-Dibromo-3-chloropropane	38.0	
120-82-1	1,2,4-Trichlorobenzene	49.3	
87-68-3	Hexachlorobutadiene	50.8	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

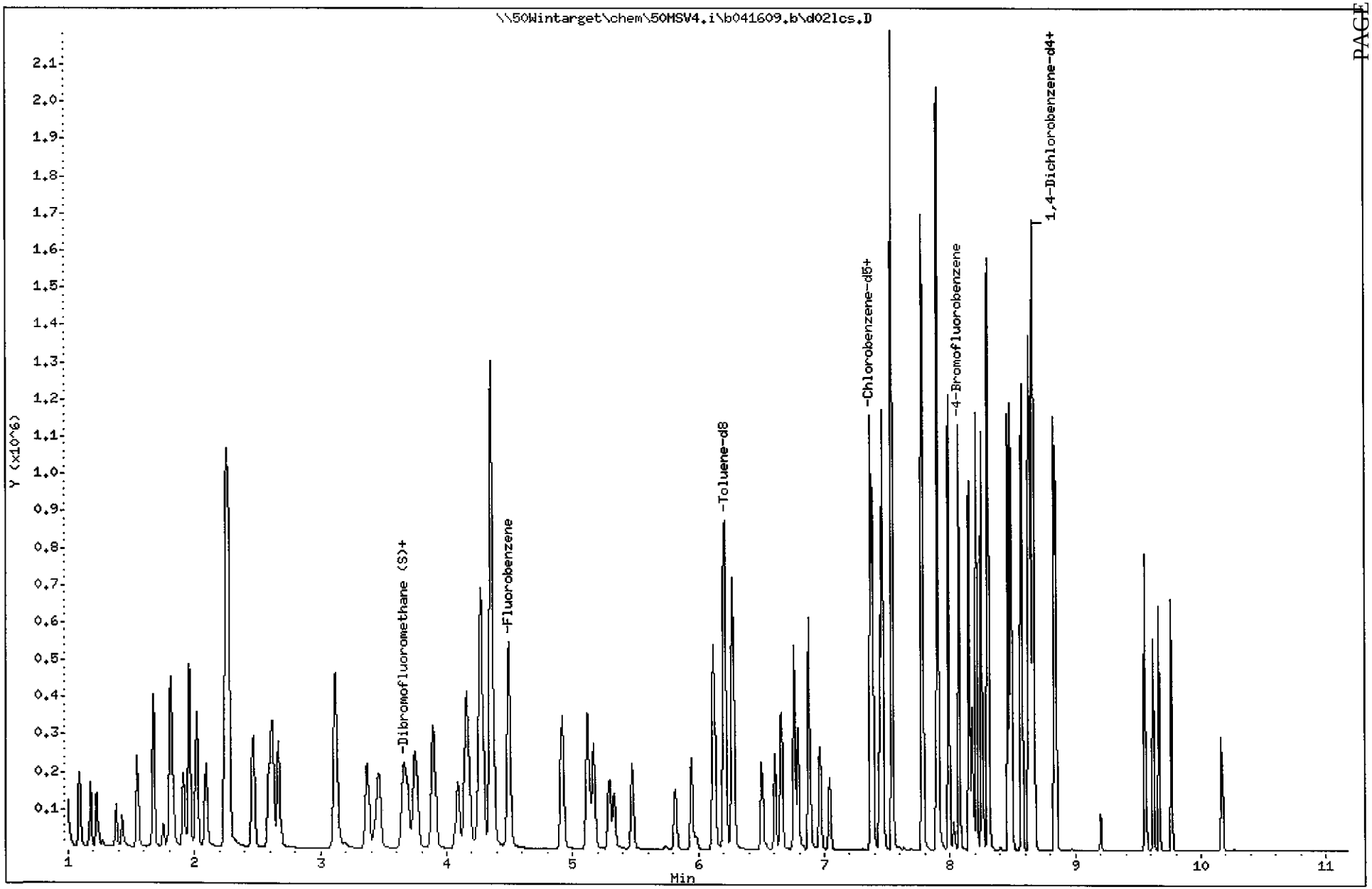
Client Name:
Lab Smp Id: 287774
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15689

Client SDG: b041609.b
Client Smp ID: lcs
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
91-20-3	Naphthalene	38.9	
87-61-6	1,2,3-Trichlorobenzene	47.3	
	2,methyl-naphthalene	32.4	
1868-53-7	Dibromofluoromethane (S)	48.5	
2037-26-5	Toluene-d8	48.6	
460-00-4	4-Bromofluorobenzene	48.6	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d02lcs.D
Date : 16-APR-2009 19:37
Client ID: lcs
Sample Info: lcs
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



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Date : 16-APR-2009 19:37

Client ID: lcs

Instrument: 50MSV4.i

Sample Info: lcs

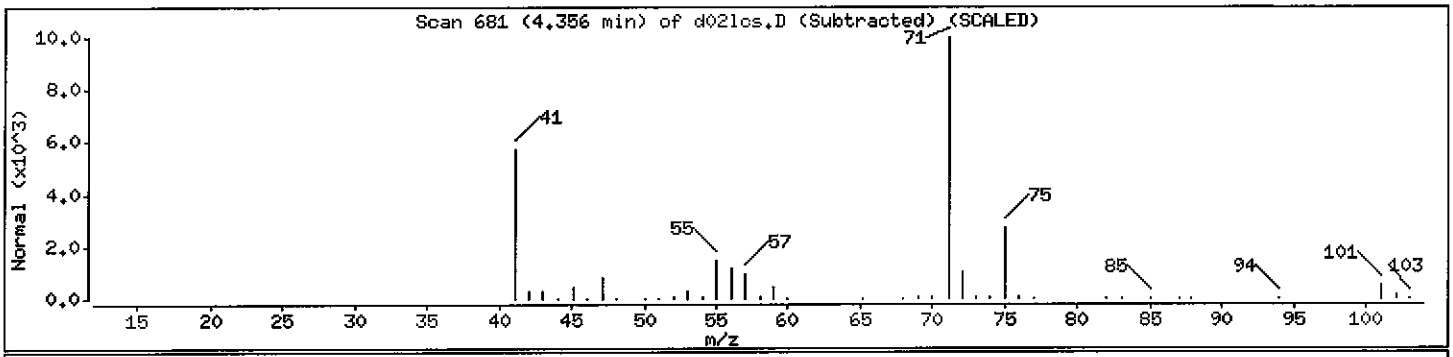
Purge Volume: 5.0

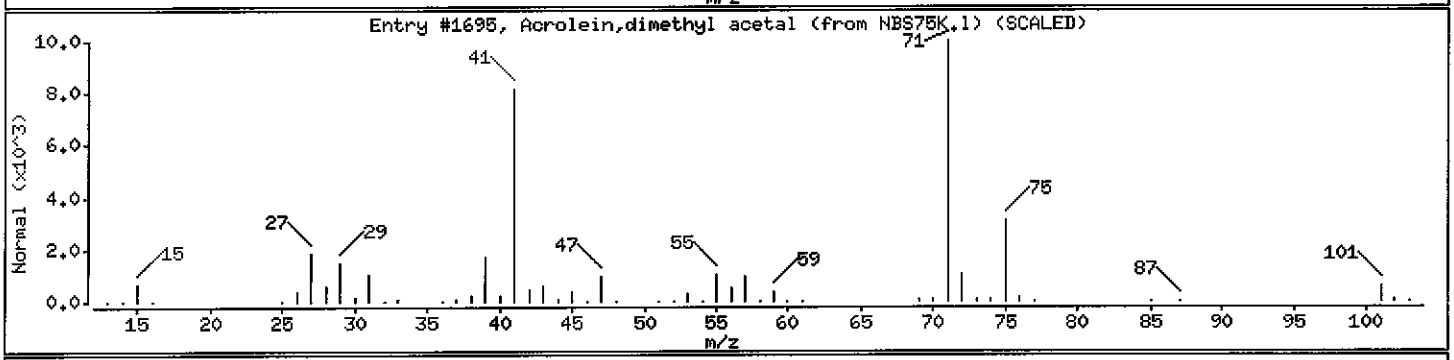
Operator: slb

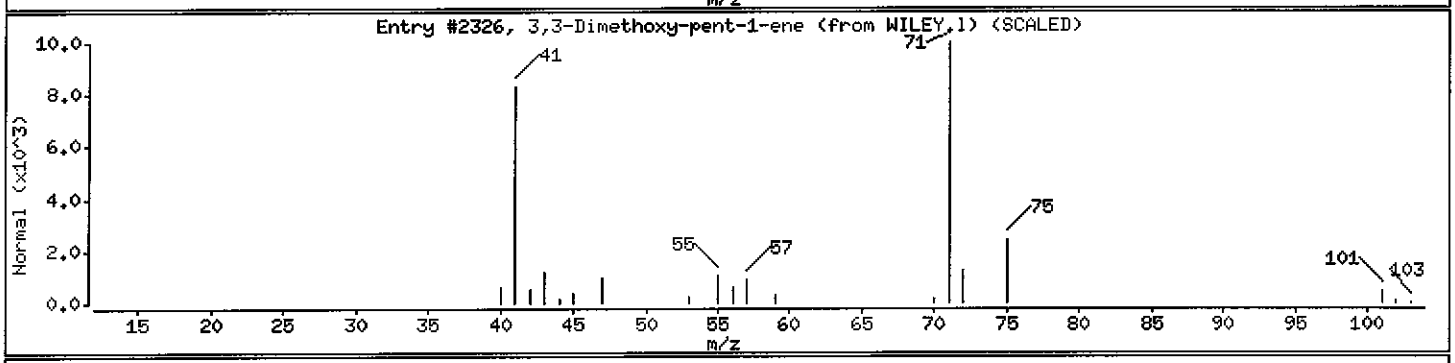
Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Acrolein,dimethyl acetal	6044-68-4	NBS75K.l	1695	78	C5H10O2	102
3,3-Dimethoxy-pent-1-ene	0-00-0	WILEY.l	2326	64	C5H10O2	102







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Section 5: Method Blank Data

** Method Blanks*

Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b03mb.D
Lab Smp Id: 287769 Client Smp ID: mb
Inj Date : 16-APR-2009 09:11
Operator : slb Inst ID: 50MSV4.i
Smp Info : mb
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 8 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)
19 Acrylonitrile	53	2.257	2.257	(0.502)	3431	5.04611	5.05
$ 33 Dibromofluoromethane (S)	113	3.662	3.668	(0.814)	124142	51.8427	51.8
* 41 Fluorobenzene	96	4.501	4.507	(1.000)	501510	50.0000	
$ 51 Toluene-d8	98	6.215	6.215	(0.843)	517294	50.1497	50.1
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	387173	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	194654	48.9975	49.0
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	218992	50.0000	
87 n-Butylbenzene	91	8.838	8.832	(1.020)	8679	0.00946	0.00946
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	8786	10.3833	10.4

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b03mb.D
Lab Smp Id: 287769
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	501510	-25.88
61 Chlorobenzene-d5	494899	247450	989798	387173	-21.77
85 1,4-Dichlorobenze	266439	133220	532878	218992	-17.81

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.50	-0.13
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287769
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: mb
Operator: slb
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	51.8	103.69	80-123
$ 51 Toluene-d8	50.0	50.1	100.30	80-116
$ 72 4-Bromofluorobenze	50.0	49.0	98.00	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

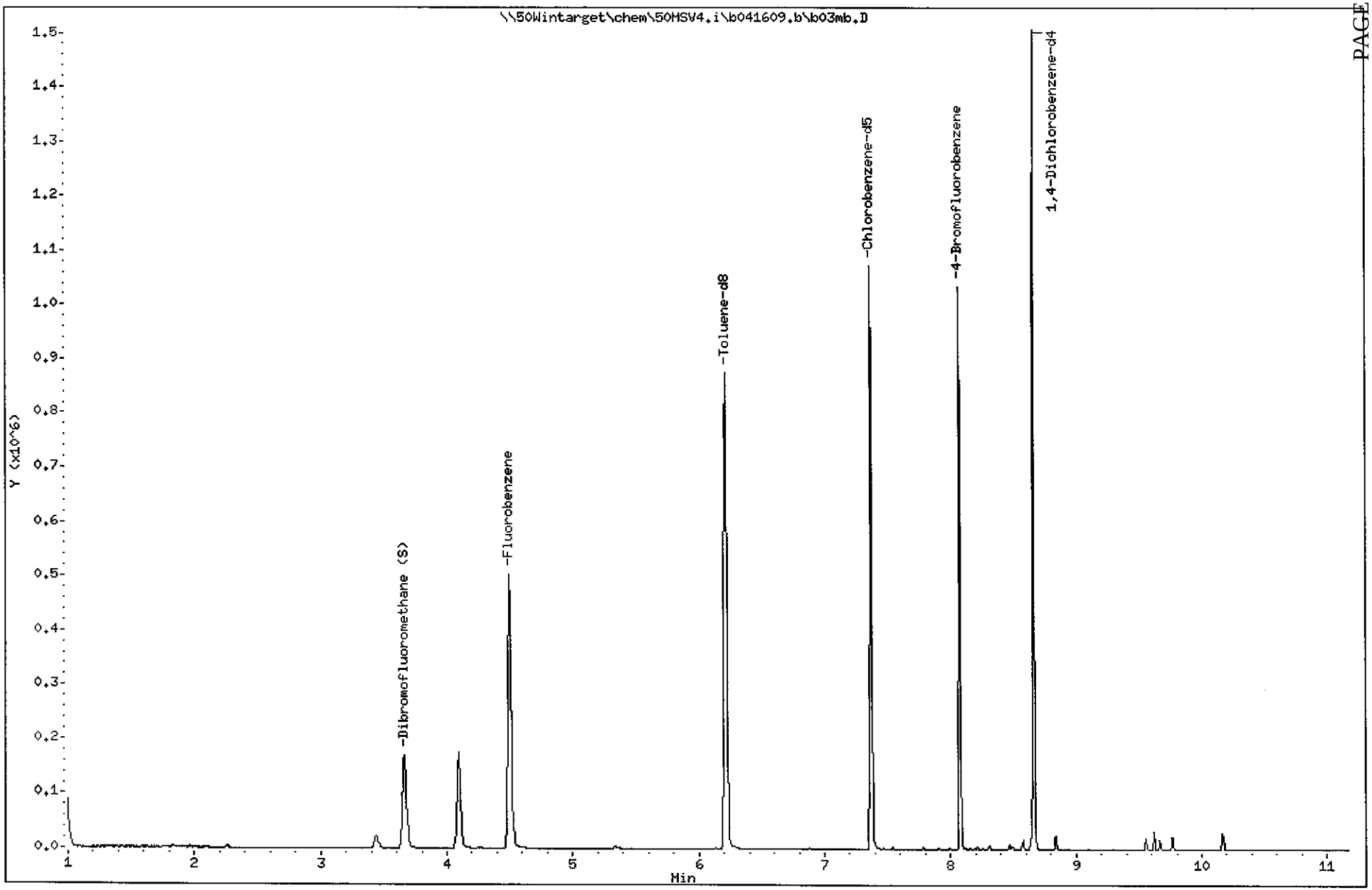
Client Name:
Lab Smp Id: 287769
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	5.05	
104-51-8	n-Butylbenzene	0.00946	
	2,methyl-naphthalene	10.4	
1868-53-7	Dibromofluoromethane (S)	51.8	
2037-26-5	Toluene-d8	50.1	
460-00-4	4-Bromofluorobenzene	49.0	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b03mb.D
Date : 16-APR-2009 09:11
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b03mb.D

Date : 16-APR-2009 09:11

Client ID: mb

Instrument: 50MSV4.i

Sample Info: mb

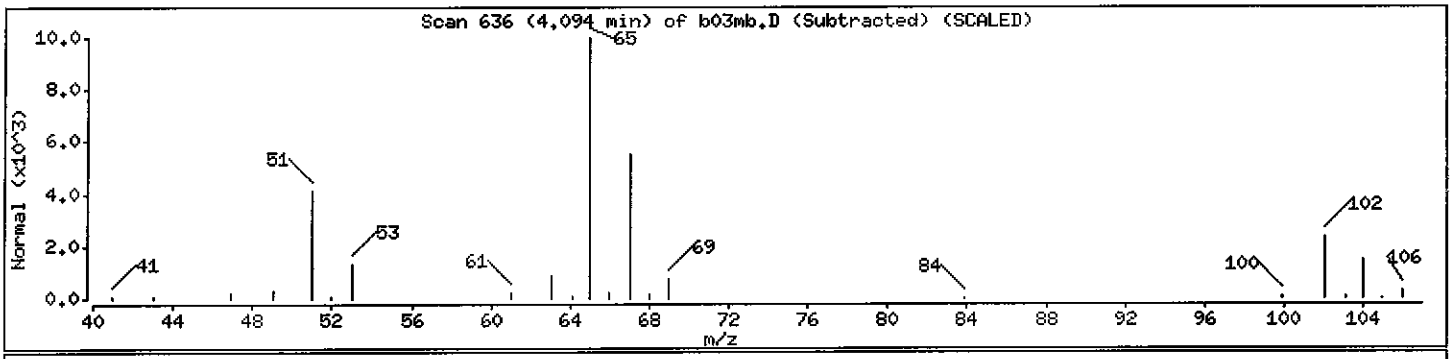
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\d03mb.D
Lab Smp Id: 287773 Client Smp ID: mb
Inj Date : 16-APR-2009 20:07
Operator : slb Inst ID: 50MSV4.i
Smp Info : mb
Misc Info : 15689
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 52 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)
19 Acrylonitrile	53	2.257	2.257	(0.501)	3201	4.26018	4.26
$ 33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	128057	48.3925	48.4
* 41 Fluorobenzene	96	4.507	4.507	(1.000)	554209	50.0000	
$ 51 Toluene-d8	98	6.215	6.215	(0.843)	517753	48.2158	48.2
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	403059	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	195745	47.3301	47.3
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	229491	50.0000	
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	11373	10.9933	11.0

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: d03mb.D
Lab Smp Id: 287773
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15689

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: mb
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	554209	-18.09
61 Chlorobenzene-d5	494899	247450	989798	403059	-18.56
85 1,4-Dichlorobenze	266439	133220	532878	229491	-13.87

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 287773
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15689

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: mb
Operator: slb
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.4	96.78	80-123
$ 51 Toluene-d8	50.0	48.2	96.43	80-116
$ 72 4-Bromofluorobenze	50.0	47.3	94.66	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

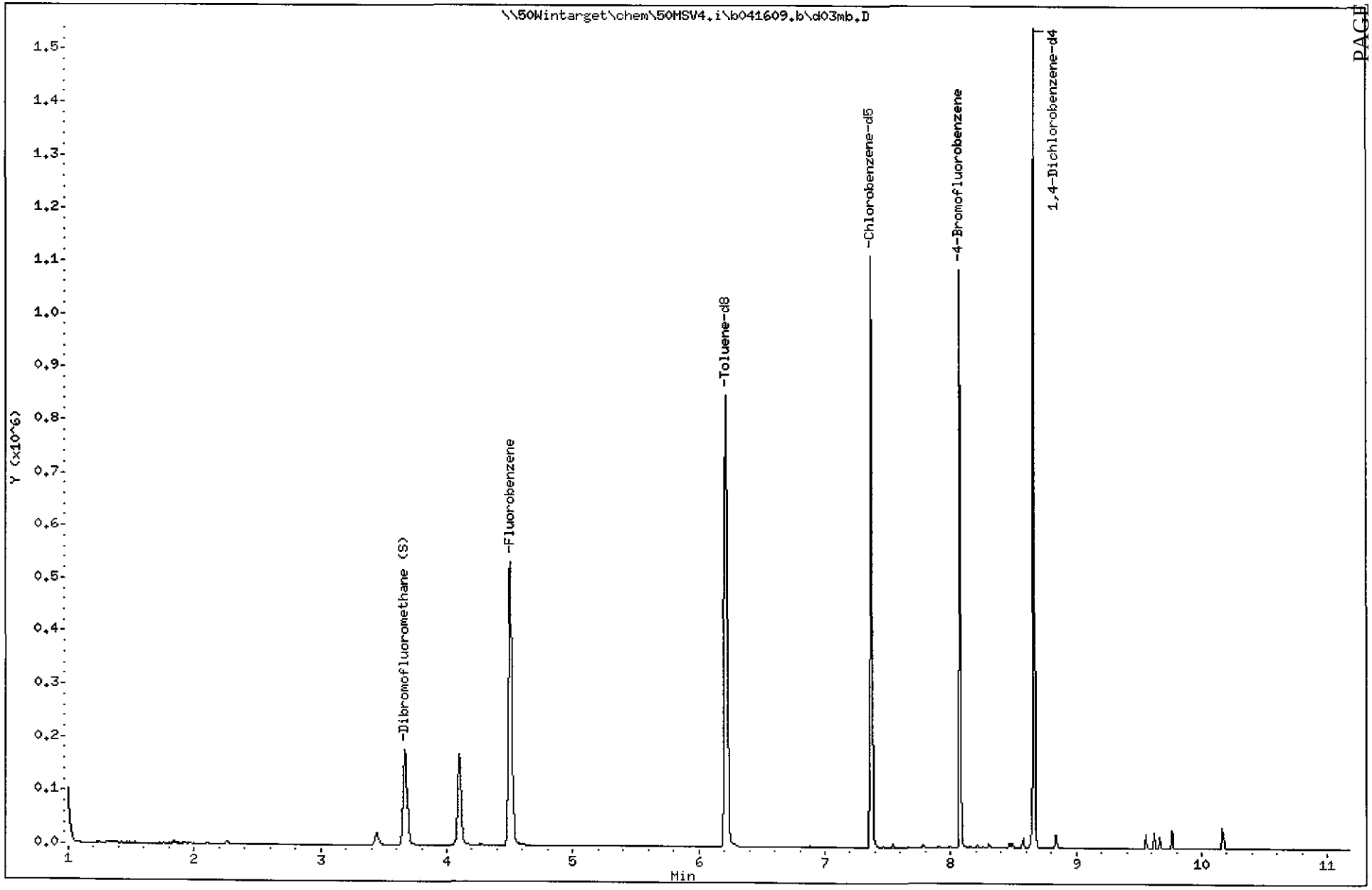
Client Name:
Lab Smp Id: 287773
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15689

Client SDG: b041609.b
Client Smp ID: mb
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
107-13-1	Acrylonitrile	4.26	
	2,methyl-naphthalene	11.0	
1868-53-7	Dibromofluoromethane (S)	48.4	
2037-26-5	Toluene-d8	48.2	
460-00-4	4-Bromofluorobenzene	47.3	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d03mb.D
Date : 16-APR-2009 20:07
Client ID: mb
Sample Info: mb
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d03mb.D

Date : 16-APR-2009 20:07

Client ID: mb

Instrument: 50MSV4.i

Sample Info: mb

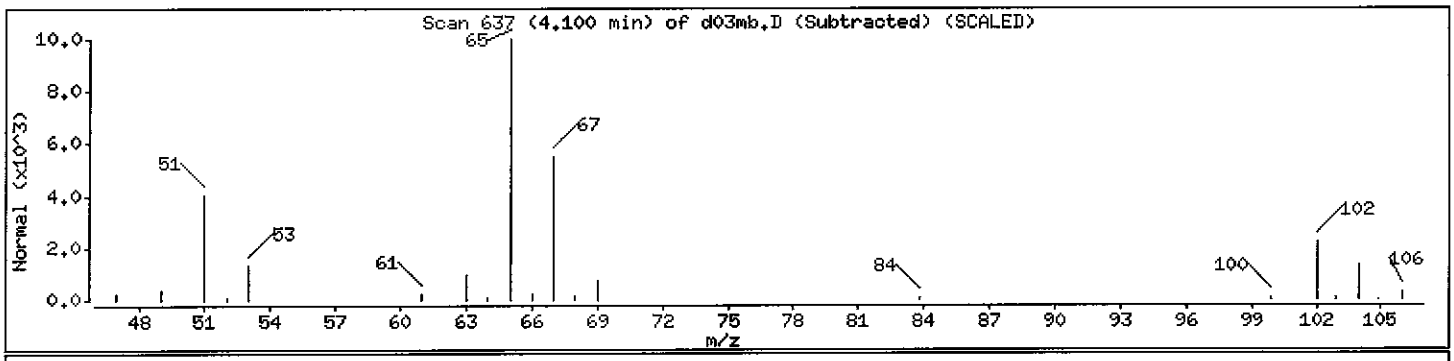
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



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Section 6: Client Sample Data

**** Client Sample Raw Data***
**** Dilutions or Reruns of Client Samples***
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b04.D
Lab Smp Id: 5025200001 Client Smp ID: 00001
Inj Date : 16-APR-2009 09:41
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5025200001
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 10
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)
$ 33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	124149	51.3991	51.4
* 41 Fluorobenzene	96	4.507	4.507	(1.000)	505867	50.0000	
$ 51 Toluene-d8	98	6.215	6.215	(0.843)	502700	47.9003	47.9
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	393918	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	197096	48.7627	48.8
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	216971	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b04.D
Lab Smp Id: 5025200001
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00001
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	505867	-25.23
61 Chlorobenzene-d5	494899	247450	989798	393918	-20.40
85 1,4-Dichlorobenze	266439	133220	532878	216971	-18.57

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025200001
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: 00001
Operator: slb
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	51.4	102.80	80-123
$ 51 Toluene-d8	50.0	47.9	95.80	80-116
$ 72 4-Bromofluorobenze	50.0	48.8	97.53	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

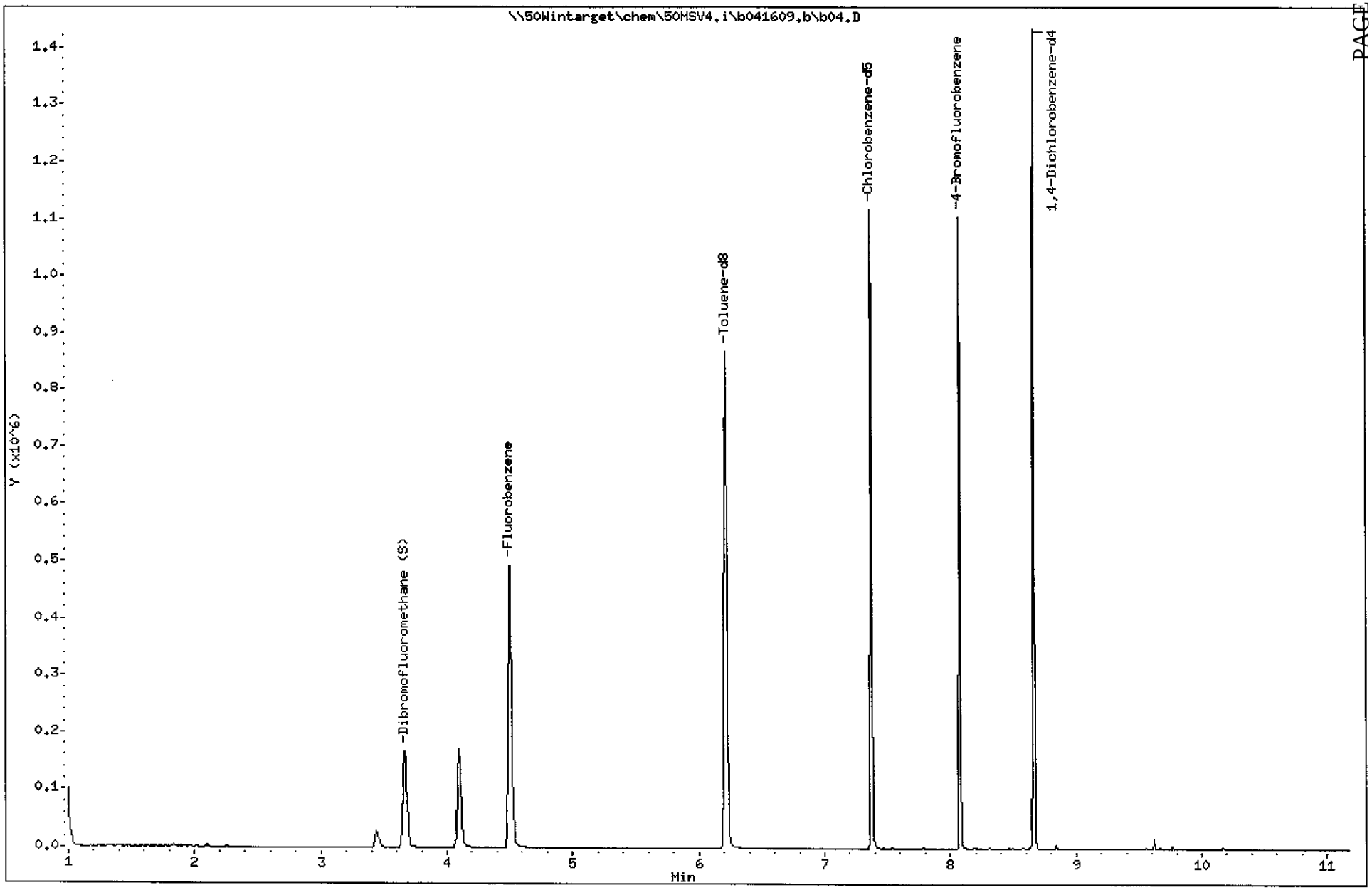
Client Name:
Lab Smp Id: 5025200001
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00001
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	51.4	
2037-26-5	Toluene-d8	47.9	
460-00-4	4-Bromofluorobenzene	48.8	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b04.D
Date : 16-APR-2009 09:41
Client ID: 00001
Sample Info: 5025200001
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



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Date : 16-APR-2009 09:41

Client ID: 00001

Instrument: 50MSV4.i

Sample Info: 5025200001

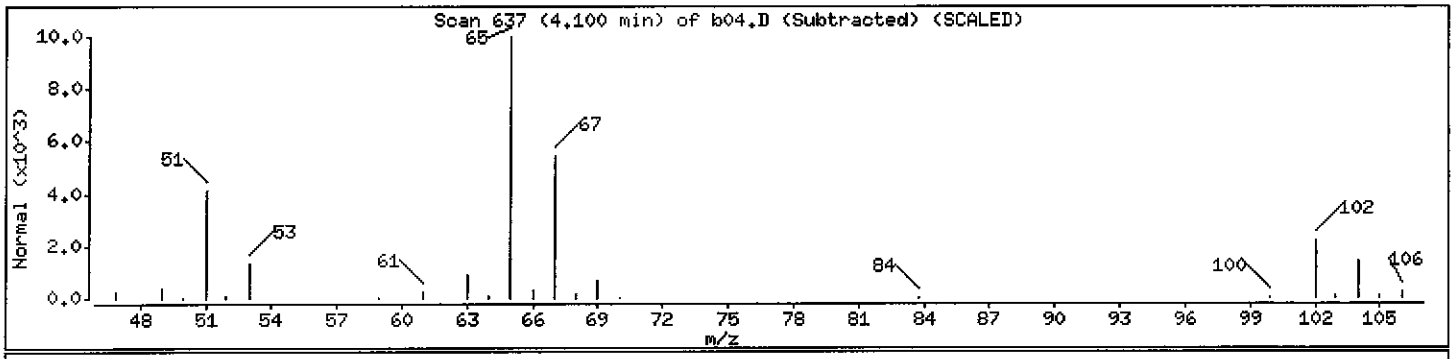
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b05.D
Lab Smp Id: 5025200002 Client Smp ID: 00002
Inj Date : 16-APR-2009 10:11
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5025200002
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 12
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)
3 Vinyl Chloride	62	1.226	1.226	(0.272)	1045103	415.810	416
7 1,2-dichlorotrifluoroethane	67	1.680	1.675	(0.373)	7398	3.67013	3.67
11 1,1-Dichloroethene	96	1.820	1.820	(0.404)	127780	83.8498	83.8
21 1,2-Dichloroethene (trans)	96	2.287	2.281	(0.507)	1828524	938.690	939
23 1,1-Dichloroethane	63	2.601	2.601	(0.577)	740182	176.457	176
26 1,2-Dichloroethene (cis)	96	3.132	3.126	(0.695)	3348636	1460.10	1460
$ 33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	135246	48.8800	48.9
* 41 Fluorobenzene	96	4.507	4.507	(1.000)	579484	50.0000	
42 Trichloroethene	95	4.927	4.927	(1.093)	399963	178.478	178
$ 51 Toluene-d8	98	6.221	6.215	(0.844)	533988	47.5167	47.5
52 Toluene	91	6.285	6.285	(0.853)	14555	1.50500	1.50
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	421814	50.0000	
64 Ethylbenzene	106	7.468	7.468	(1.013)	5669	1.66901	1.67
65 m&p-Xylene	106	7.538	7.544	(1.023)	46169	10.8813	10.9
67 o-Xylene	106	7.783	7.777	(1.056)	23445	5.84432	5.84
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	209335	48.3656	48.4
76 n-Propylbenzene	91	8.214	8.214	(0.948)	51116	2.70202	2.70
78 1,3,5-Trimethylbenzene	105	8.302	8.302	(0.958)	74068	7.78979	7.79
81 1,2,4-Trimethylbenzene	105	8.494	8.488	(0.980)	400065	48.3707	48.4
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	239060	50.0000	
92 Naphthalene	128	9.666	9.666	(1.116)	30537	6.21366	6.21
94 2,methyl-naphthalene	142	10.167	10.167	(1.174)	6784	9.62442	9.62

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b05.D
Lab Smp Id: 5025200002
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00002
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	579484	-14.35
61 Chlorobenzene-d5	494899	247450	989798	421814	-14.77
85 1,4-Dichlorobenze	266439	133220	532878	239060	-10.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025200002
Client Smp ID: 00002
Level: LOW
Operator: slb
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.9	97.76	80-123
$ 51 Toluene-d8	50.0	47.5	95.03	80-116
$ 72 4-Bromofluorobenze	50.0	48.4	96.73	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

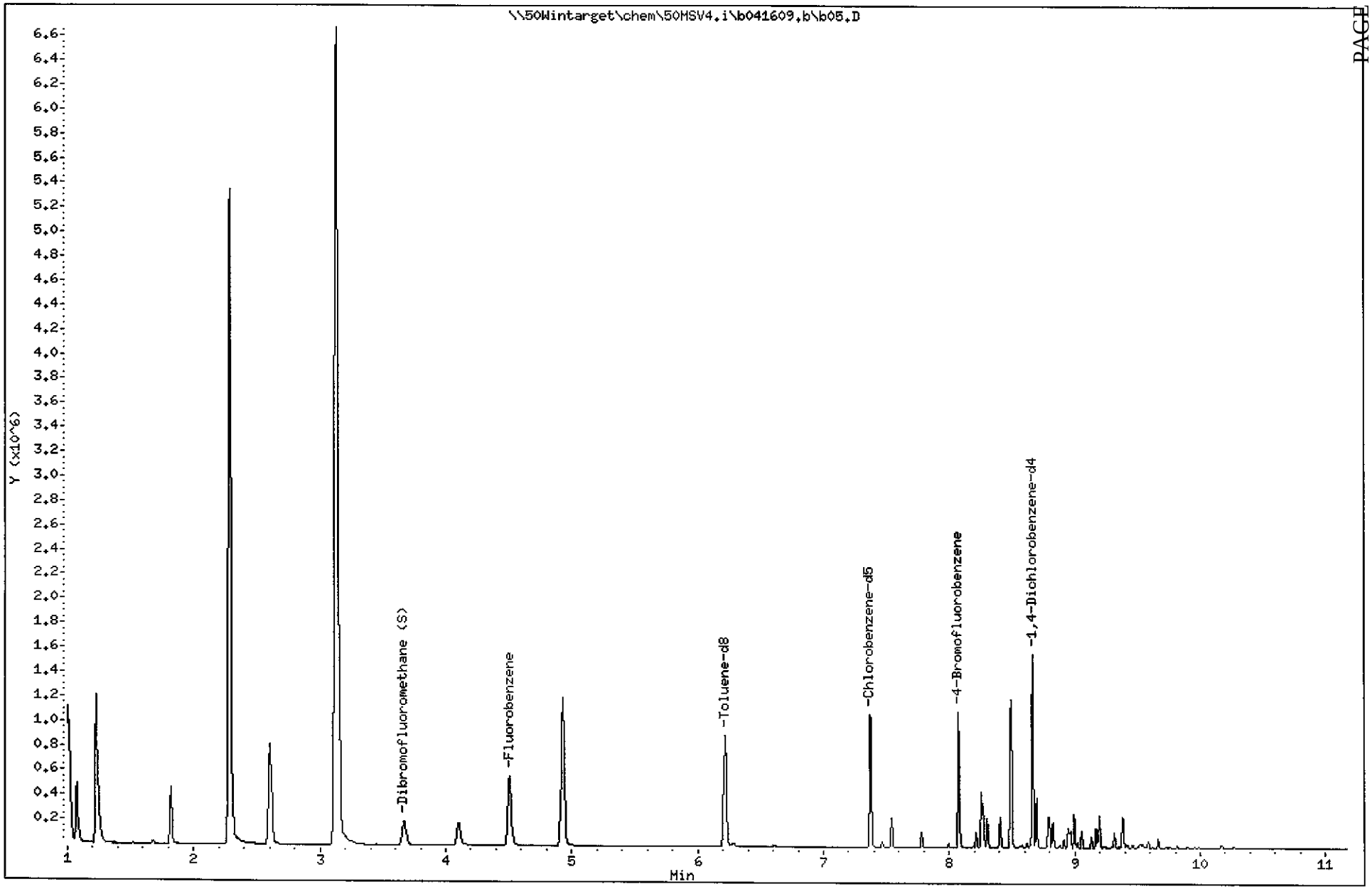
Client Name:
Lab Smp Id: 5025200002
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00002
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	416	
354-23-4	1,2-dichlorotrifluoroethane	3.67	
75-35-4	1,1-Dichloroethene	83.8	
156-60-5	1,2-Dichloroethene (trans)	939	
75-34-3	1,1-Dichloroethane	176	
156-59-2	1,2-Dichloroethene (cis)	1460	
79-01-6	Trichloroethene	178	
108-88-3	Toluene	1.50	
100-41-4	Ethylbenzene	1.67	
7816-60-0	m&p-Xylene	10.9	
95-47-6	o-Xylene	5.84	
103-65-1	n-Propylbenzene	2.70	
108-67-8	1,3,5-Trimethylbenzene	7.79	
95-63-6	1,2,4-Trimethylbenzene	48.4	
91-20-3	Naphthalene	6.21	
	2,methyl-naphthalene	9.62	
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	47.5	
460-00-4	4-Bromofluorobenzene	48.4	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b05.D
Date : 16-APR-2009 10:11
Client ID: 00002
Sample Info: 5025200002
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b05.D

Date : 16-APR-2009 10:11

Client ID: 00002

Instrument: 50MSV4.i

Sample Info: 5025200002

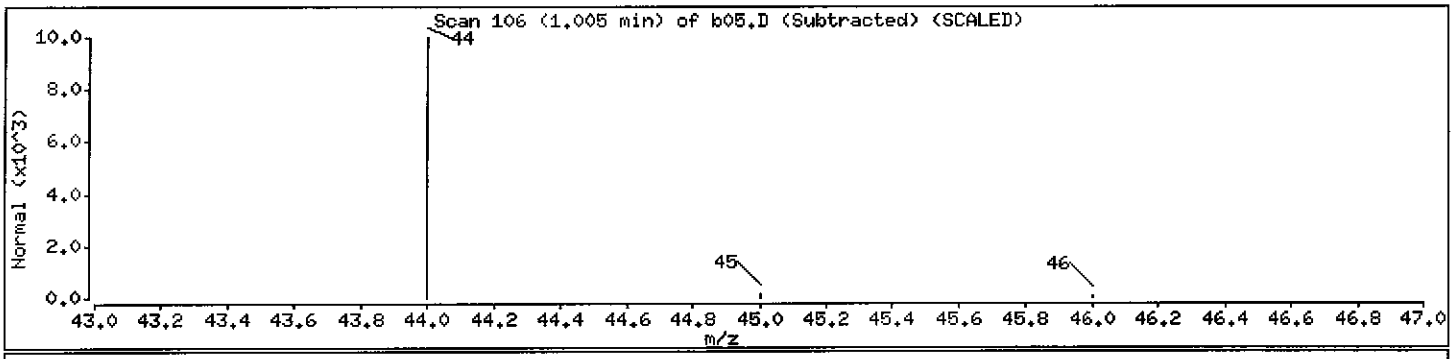
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\d16.D
Lab Smp Id: 5025200002 Client Smp ID: 00002
Inj Date : 17-APR-2009 02:41
Operator : slb Inst ID: 50MSV4.i
Smp Info : rr5025200002,10
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 78
Dil Factor: 10.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

Name	Value	Description
DF	10.000	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)
3 Vinyl Chloride	62	1.226	1.226	(0.272)	89278	38.7718	388
11 1,1-Dichloroethene	96	1.826	1.820	(0.405)	10335	7.40261	74.0
21 1,2-Dichloroethene (trans)	96	2.292	2.281	(0.508)	177851	99.6582	996
23 1,1-Dichloroethane	63	2.607	2.601	(0.578)	66595	17.3292	173
26 1,2-Dichloroethene (cis)	96	3.138	3.126	(0.695)	333095	158.533	1580
$ 33 Dibromofluoromethane (S)	113	3.680	3.668	(0.815)	127826	50.4268	50.4
* 41 Fluorobenzene	96	4.513	4.507	(1.000)	530892	50.0000	
42 Trichloroethene	95	4.933	4.927	(1.093)	32342	15.7532	158
$ 51 Toluene-d8	98	6.221	6.215	(0.844)	500969	48.2347	48.2
* 61 Chlorobenzene-d5	117	7.375	7.369	(1.000)	389840	50.0000	
64 Ethylbenzene	106	7.544	7.468	(1.023)	2398	0.76390	7.64(Q)
65 m&p-Xylene	106	7.544	7.544	(1.023)	2398	0.61153	6.12
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.095)	193368	48.3408	48.3
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	223756	50.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: d16.D
Lab Smp Id: 5025200002
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00002
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	530892	-21.54
61 Chlorobenzene-d5	494899	247450	989798	389840	-21.23
85 1,4-Dichlorobenze	266439	133220	532878	223756	-16.02

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	0.13
61 Chlorobenzene-d5	7.37	6.87	7.87	7.38	0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025200002
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: 00002
Operator: slb
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.4	100.85	80-123
$ 51 Toluene-d8	50.0	48.2	96.47	80-116
$ 72 4-Bromofluorobenze	50.0	48.3	96.68	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

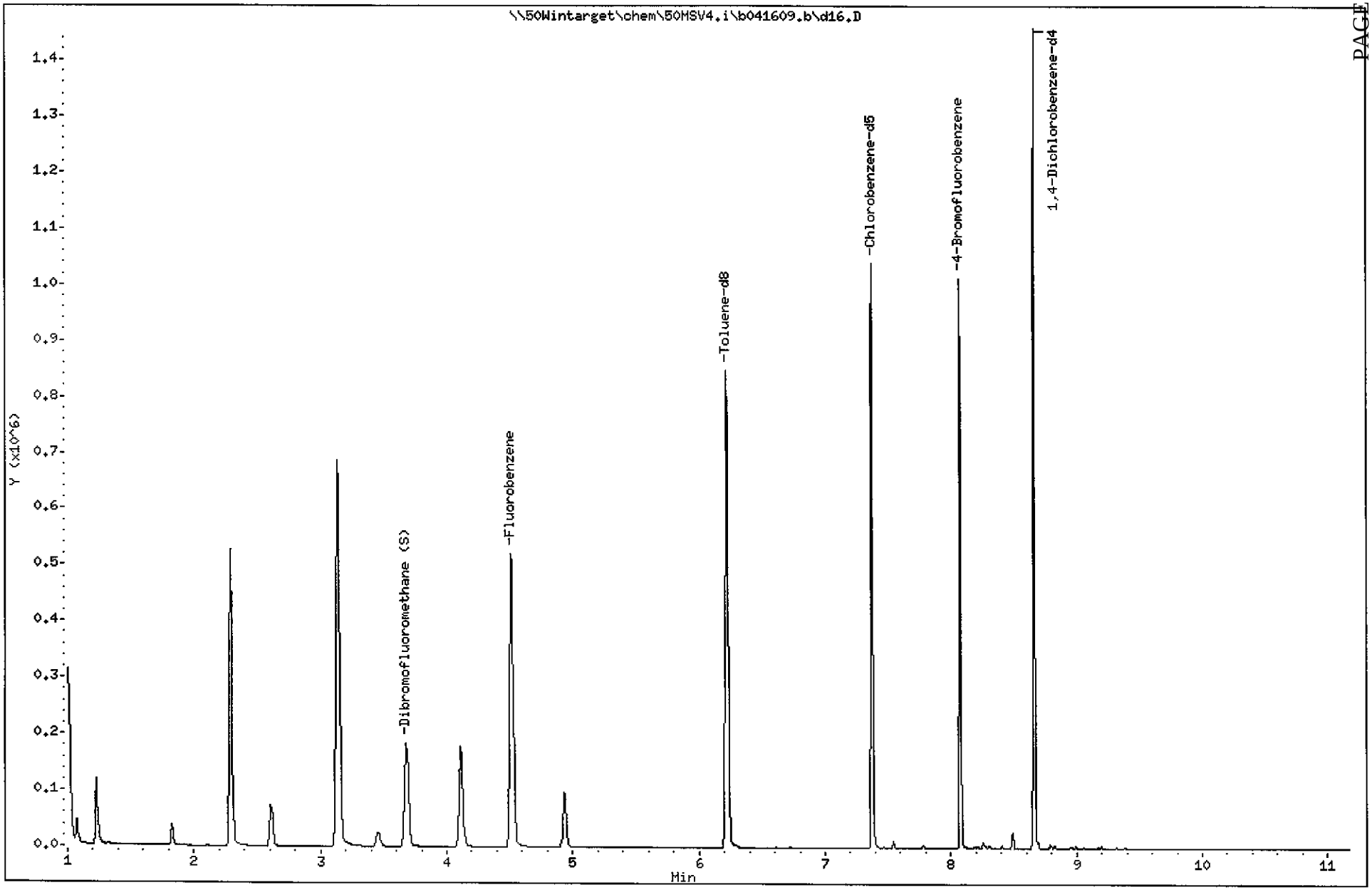
Client Name:
Lab Smp Id: 5025200002
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00002
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	388	
75-35-4	1,1-Dichloroethene	74.0	
156-60-5	1,2-Dichloroethene (trans)	996	
75-34-3	1,1-Dichloroethane	173	
156-59-2	1,2-Dichloroethene (cis)	1580	
79-01-6	Trichloroethene	158	
100-41-4	Ethylbenzene	7.64	
7816-60-0	m&p-Xylene	6.12	
1868-53-7	Dibromofluoromethane (S)	50.4	
2037-26-5	Toluene-d8	48.2	
460-00-4	4-Bromofluorobenzene	48.3	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d16.D
Date : 17-APR-2009 02:41
Client ID: 00002
Sample Info: rr5025200002,10
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\d16.D

Date : 17-APR-2009 02:41

Client ID: 00002

Instrument: 50MSV4.i

Sample Info: rr5025200002,10

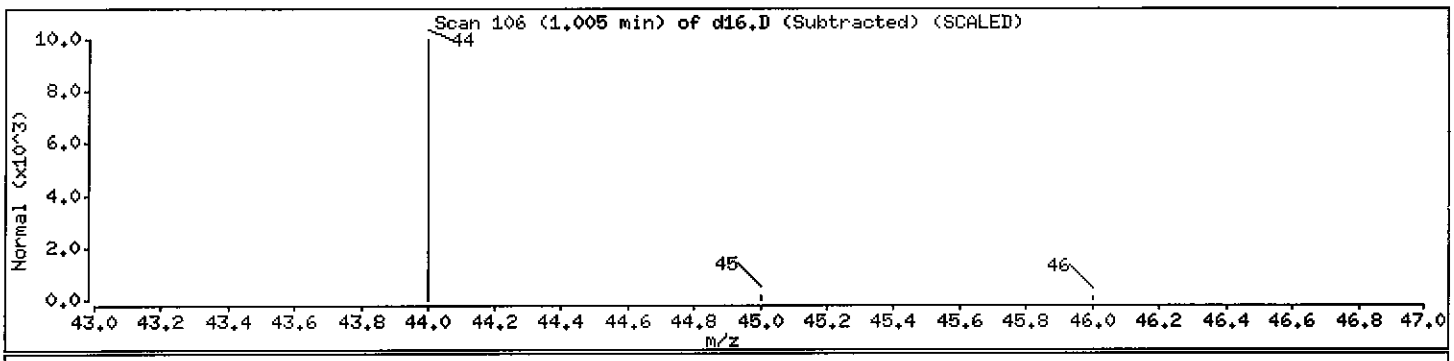
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b06.D
Lab Smp Id: 5025200003 Client Smp ID: 00003
Inj Date : 16-APR-2009 10:40
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5025200003
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 14
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)
3 Vinyl Chloride	62	1.226	1.226	(0.272)	473264	185.036	185
21 1,2-Dichloroethene (trans)	96	2.286	2.281	(0.508)	1940	0.97868	0.979
26 1,2-Dichloroethene (cis)	96	3.126	3.126	(0.694)	225429	96.5921	96.6
$ 33 Dibromofluoromethane (S)	113	3.662	3.668	(0.814)	138988	49.3629	49.4
39 Benzene	78	4.163	4.169	(0.925)	8066	0.86596	0.866
* 41 Fluorobenzene	96	4.501	4.507	(1.000)	589692	50.0000	
$ 51 Toluene-d8	98	6.215	6.215	(0.843)	543989	47.9627	48.0
52 Toluene	91	6.285	6.285	(0.853)	2109	0.21607	0.216
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	425718	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	215450	49.3219	49.3
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	240432	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b06.D
Lab Smp Id: 5025200003
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00003
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	589692	-12.85
61 Chlorobenzene-d5	494899	247450	989798	425718	-13.98
85 1,4-Dichlorobenze	266439	133220	532878	240432	-9.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.50	-0.13
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Client SDG: b041609.b
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: 5025200003
Client Smp ID: 00003
Level: LOW
Operator: slb
Data Type: MS DATA
SampleType: SAMPLE
SpikeList File: 8260LCSfulllist.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	49.4	98.73	80-123
$ 51 Toluene-d8	50.0	48.0	95.93	80-116
$ 72 4-Bromofluorobenze	50.0	49.3	98.64	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

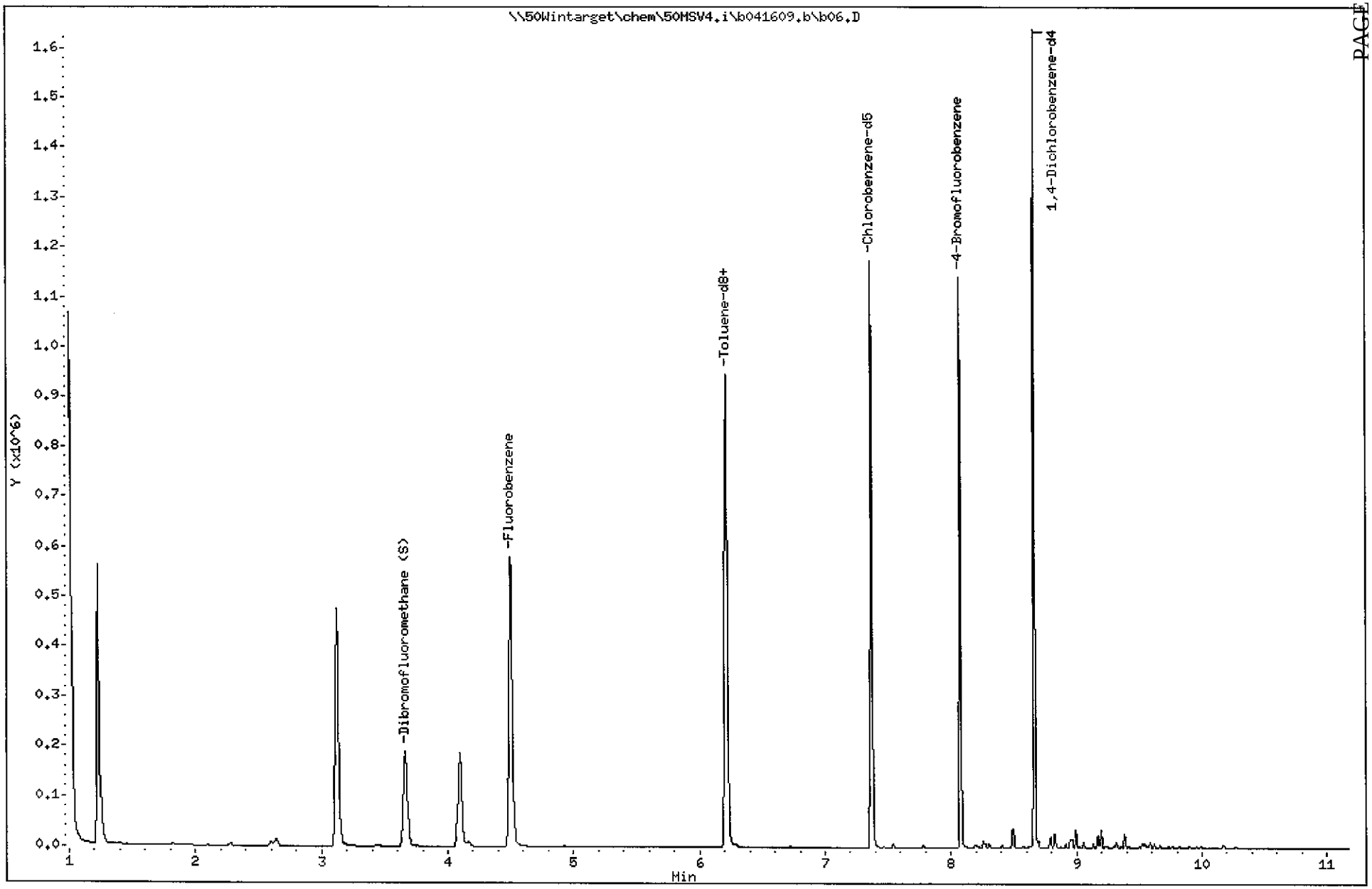
Client Name:
Lab Smp Id: 5025200003
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00003
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
75-01-4	Vinyl Chloride	185	
156-60-5	1,2-Dichloroethene (trans)	0.979	
156-59-2	1,2-Dichloroethene (cis)	96.6	
71-43-2	Benzene	0.866	
108-88-3	Toluene	0.216	
1868-53-7	Dibromofluoromethane (S)	49.4	
2037-26-5	Toluene-d8	48.0	
460-00-4	4-Bromofluorobenzene	49.3	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b06.D
Date : 16-APR-2009 10:40
Client ID: 00003
Sample Info: 5025200003
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b06.D

Date : 16-APR-2009 10:40

Client ID: 00003

Instrument: 50MSV4.i

Sample Info: 5025200003

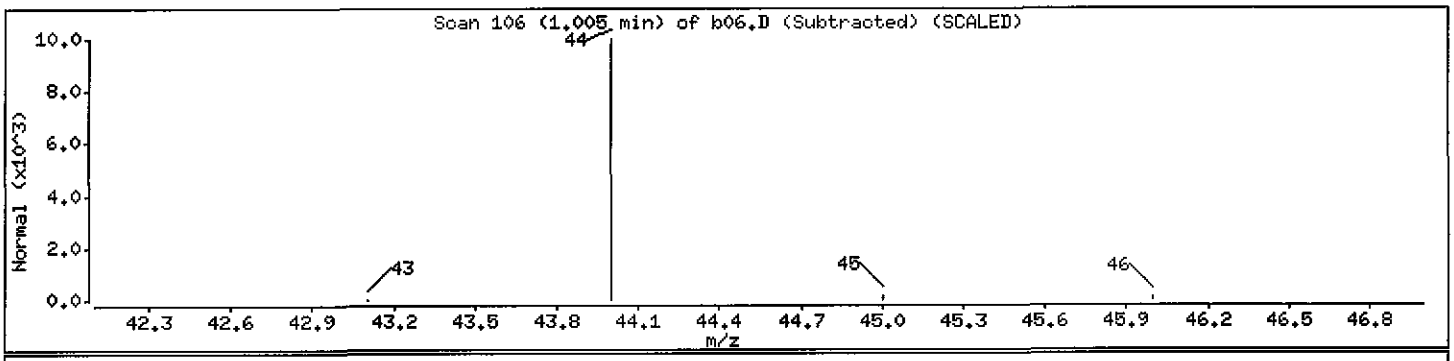
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b07.D
Lab Smp Id: 5025200004 Client Smp ID: 00004
Inj Date : 16-APR-2009 11:10
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5025200004
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 16
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)
10 1,1,2trichlorotrifluoroethane	101	1.809	1.809	(0.401)	1213	0.77982	0.780
21 1,2-Dichloroethene (trans)	96	2.281	2.281	(0.506)	4437	2.26431	2.26
23 1,1-Dichloroethane	63	2.601	2.601	(0.577)	37756	8.94772	8.95
26 1,2-Dichloroethene (cis)	96	3.126	3.126	(0.694)	79994	34.6735	34.7
$ 33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	141571	50.8635	50.9
34 1,1,1-Trichloroethane	97	3.691	3.697	(0.819)	22297	8.05124	8.05
* 41 Fluorobenzene	96	4.507	4.507	(1.000)	582930	50.0000	
42 Trichloroethene	95	4.927	4.927	(1.093)	209762	93.0503	93.0
$ 51 Toluene-d8	98	6.215	6.215	(0.843)	548721	47.8411	47.8
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	430513	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	207899	47.0632	47.1
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	242883	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b07.D
Lab Smp Id: 5025200004
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00004
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	582930	-13.84
61 Chlorobenzene-d5	494899	247450	989798	430513	-13.01
85 1,4-Dichlorobenze	266439	133220	532878	242883	-8.84

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025200004
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: 00004
Operator: slb
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	50.9	101.73	80-123
$ 51 Toluene-d8	50.0	47.8	95.68	80-116
$ 72 4-Bromofluorobenze	50.0	47.1	94.13	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

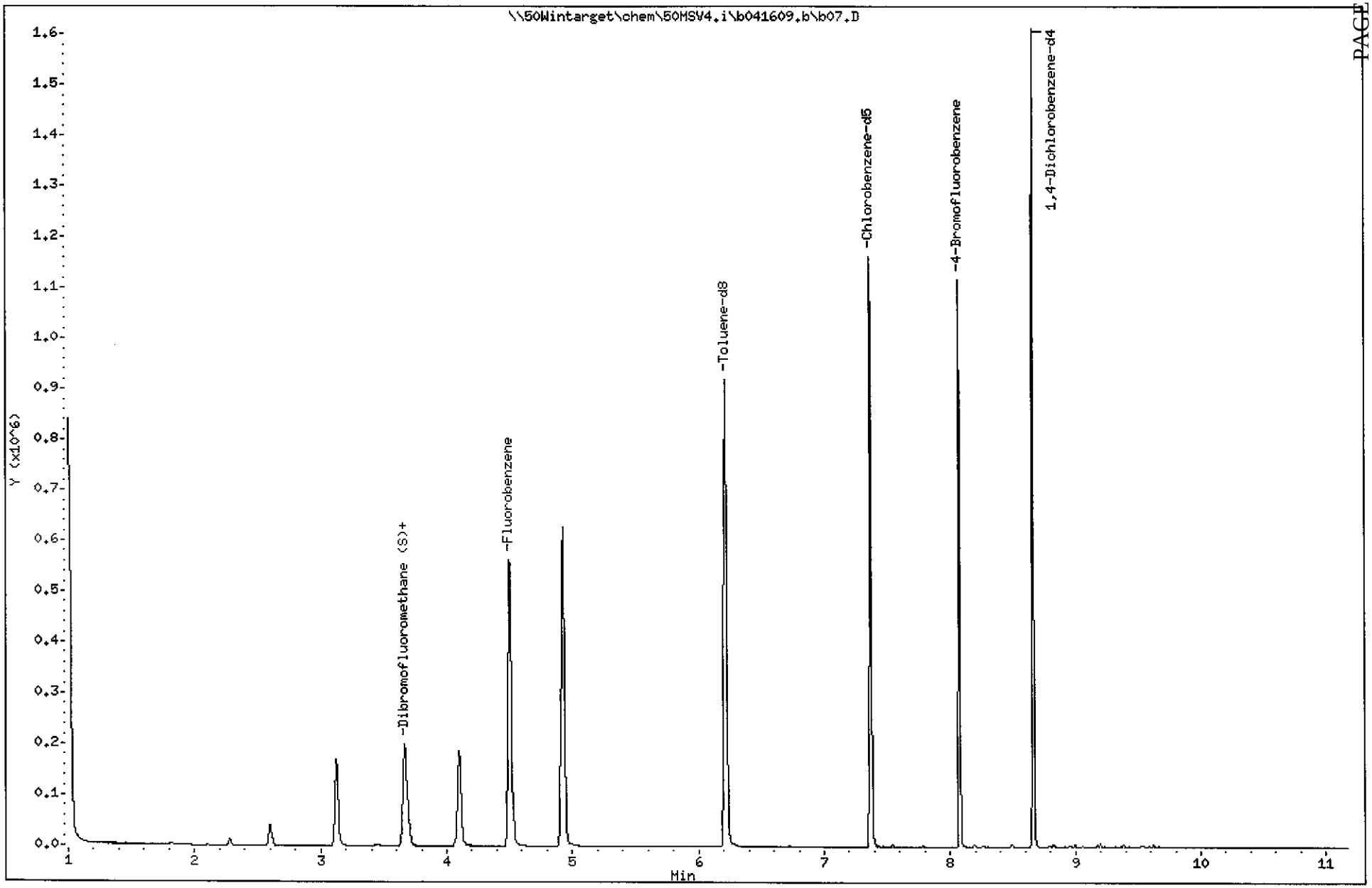
Client Name:
Lab Smp Id: 5025200004
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00004
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
76-13-1	1,1,2trichlorotrifluoroethan	0.780	
156-60-5	1,2-Dichloroethene (trans)	2.26	
75-34-3	1,1-Dichloroethane	8.95	
156-59-2	1,2-Dichloroethene (cis)	34.7	
71-55-6	1,1,1-Trichloroethane	8.05	
79-01-6	Trichloroethene	93.0	
1868-53-7	Dibromofluoromethane (S)	50.9	
2037-26-5	Toluene-d8	47.8	
460-00-4	4-Bromofluorobenzene	47.1	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b07.D
Date : 16-APR-2009 11:10
Client ID: 00004
Sample Info: 5025200004
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b07.D

Date : 16-APR-2009 11:10

Client ID: 00004

Instrument: 50MSV4.i

Sample Info: 5025200004

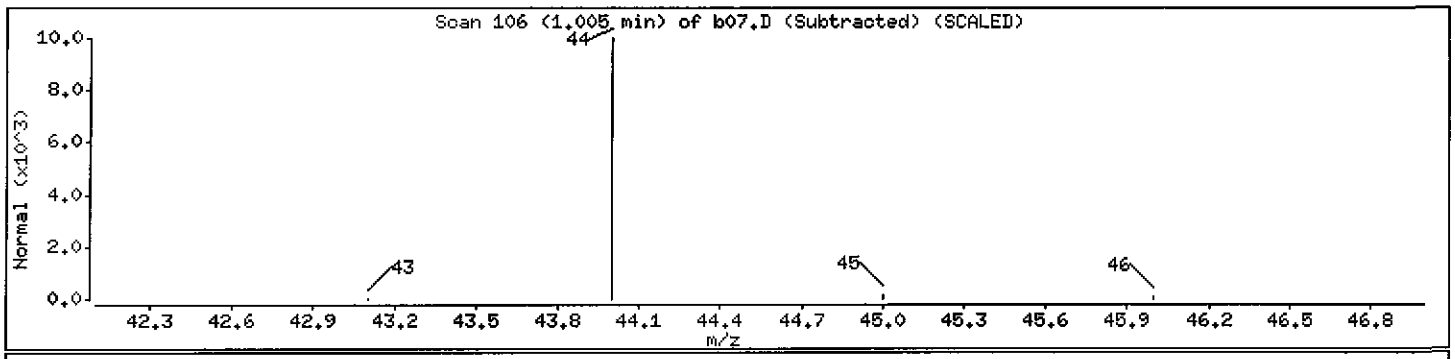
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown			0	0		0



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b08.D
Lab Smp Id: 5025200005 Client Smp ID: 00005
Inj Date : 16-APR-2009 11:40
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5025200005
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 18
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)
$ 33 Dibromofluoromethane (S)	113	3.662	3.668	(0.814)	132707	48.8737	48.9
* 41 Fluorobenzene	96	4.501	4.507	(1.000)	568678	50.0000	
$ 51 Toluene-d8	98	6.215	6.215	(0.843)	529596	48.5790	48.6
* 61 Chlorobenzene-d5	117	7.369	7.369	(1.000)	409196	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.096)	202637	48.2618	48.3
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	227680	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b08.D
Lab Smp Id: 5025200005
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00005
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	568678	-15.95
61 Chlorobenzene-d5	494899	247450	989798	409196	-17.32
85 1,4-Dichlorobenze	266439	133220	532878	227680	-14.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.50	-0.13
61 Chlorobenzene-d5	7.37	6.87	7.87	7.37	-0.00
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025200005
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: 00005
Operator: slb
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.9	97.75	80-123
$ 51 Toluene-d8	50.0	48.6	97.16	80-116
$ 72 4-Bromofluorobenze	50.0	48.3	96.52	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

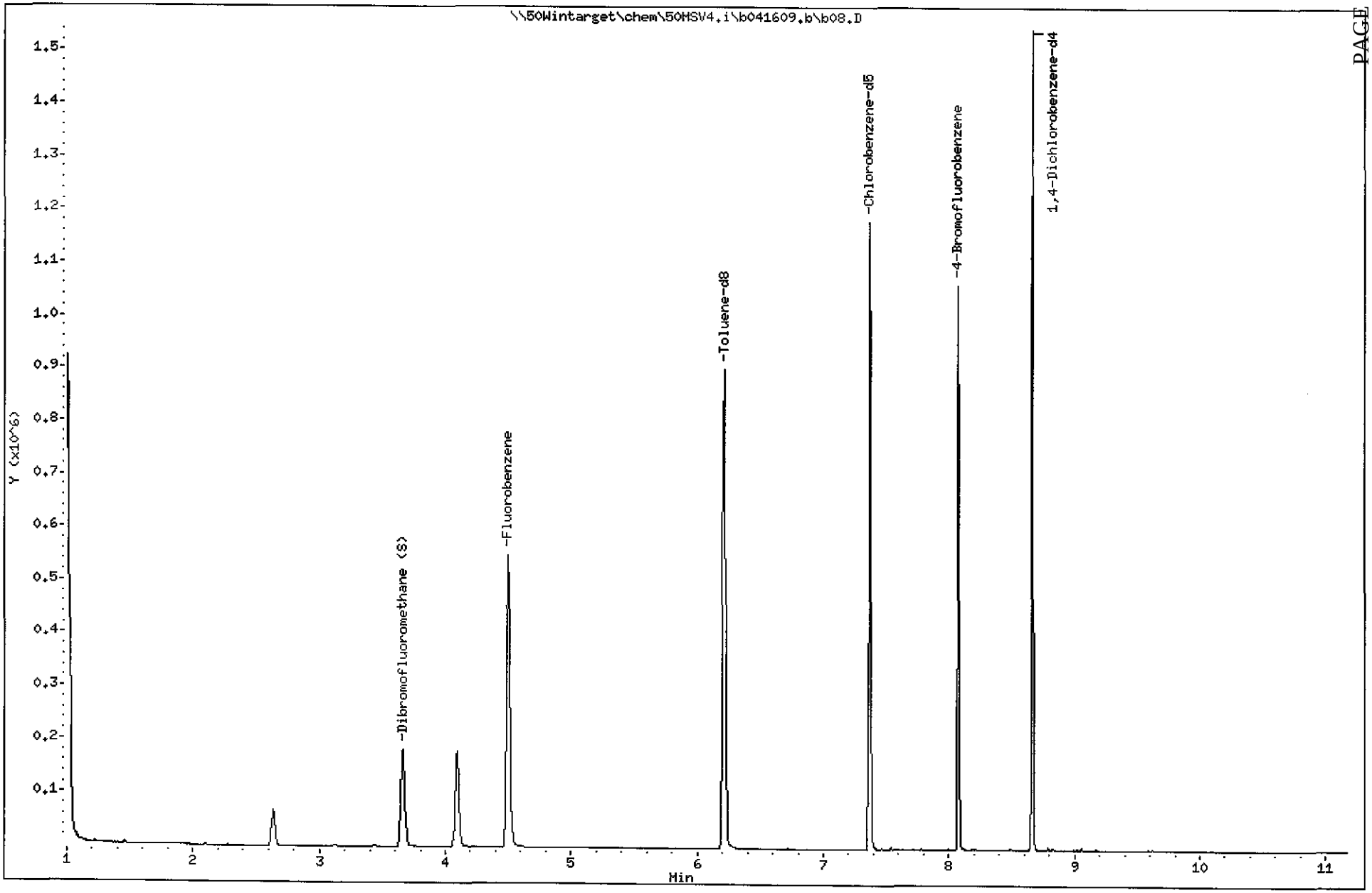
Client Name:
Lab Smp Id: 5025200005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
1868-53-7	Dibromofluoromethane (S)	48.9	
2037-26-5	Toluene-d8	48.6	
460-00-4	4-Bromofluorobenzene	48.3	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b08.D
Date : 16-APR-2009 11:40
Client ID: 00005
Sample Info: 5025200005
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b08.D

Date : 16-APR-2009 11:40

Client ID: 00005

Instrument: 50MSV4.i

Sample Info: 5025200005

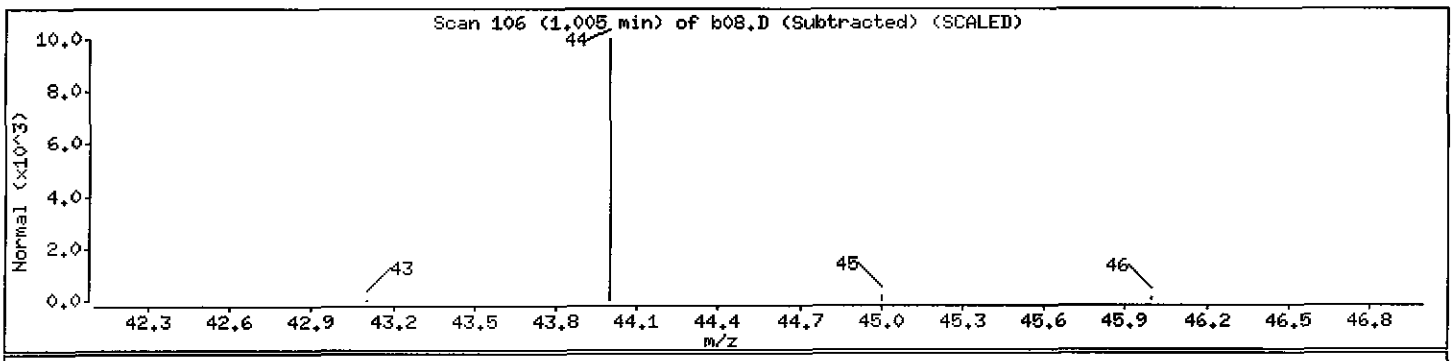
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



Pace Analytical Services, Inc.

Data file : \\50Wintarget\chem\50MSV4.i\b041609.b\b09.D
Lab Smp Id: 5025200006 Client Smp ID: 00006
Inj Date : 16-APR-2009 12:10
Operator : slb Inst ID: 50MSV4.i
Smp Info : 5025200006
Misc Info : 15688
Comment :
Method : \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Meth Date : 17-Apr-2009 10:38 sbaker Quant Type: ISTD
Cal Date : 19-MAR-2009 11:24 Cal File: b08cal.D
Als bottle: 20
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)
32 Chloroform	83	3.481	3.476	(0.772)	125929	33.2845	33.3
$ 33 Dibromofluoromethane (S)	113	3.668	3.668	(0.814)	133158	48.4379	48.4
* 41 Fluorobenzene	96	4.507	4.507	(1.000)	575745	50.0000	
$ 51 Toluene-d8	98	6.221	6.215	(0.844)	535597	48.1107	48.1
* 61 Chlorobenzene-d5	117	7.375	7.369	(1.000)	417861	50.0000	
$ 72 4-Bromofluorobenzene	95	8.074	8.074	(1.095)	207362	48.3630	48.4
* 85 1,4-Dichlorobenzene-d4	152	8.663	8.663	(1.000)	234435	50.0000	

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSV4.i
Lab File ID: b09.D
Lab Smp Id: 5025200006
Analysis Type: VOA
Quant Type: ISTD
Operator: slb
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Calibration Date: 16-APR-2009
Calibration Time: 19:07
Client Smp ID: 00006
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 5.
If Continuing Cal. use Initial Cal. Level 5

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	676603	338302	1353206	575745	-14.91
61 Chlorobenzene-d5	494899	247450	989798	417861	-15.57
85 1,4-Dichlorobenze	266439	133220	532878	234435	-12.01

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
41 Fluorobenzene	4.51	4.01	5.01	4.51	-0.00
61 Chlorobenzene-d5	7.37	6.87	7.87	7.38	0.08
85 1,4-Dichlorobenze	8.66	8.16	9.16	8.66	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025200006
Level: LOW
Data Type: MS DATA
SpikeList File: 8260LCSfulllist.spk
Sublist File: all.sub
Method File: \\50Wintarget\chem\50MSV4.i\b041609.b\-B8260.m
Misc Info: 15688

Client SDG: b041609.b
Fraction: VOA
Client Smp ID: 00006
Operator: slb
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb	CONC RECOVERED ppb	% RECOVERED	LIMITS
$ 33 Dibromofluorometha	50.0	48.4	96.88	80-123
$ 51 Toluene-d8	50.0	48.1	96.22	80-116
$ 72 4-Bromofluorobenze	50.0	48.4	96.73	70-126

Pace Analytical Services, Inc.

TARGET COMPOUNDS

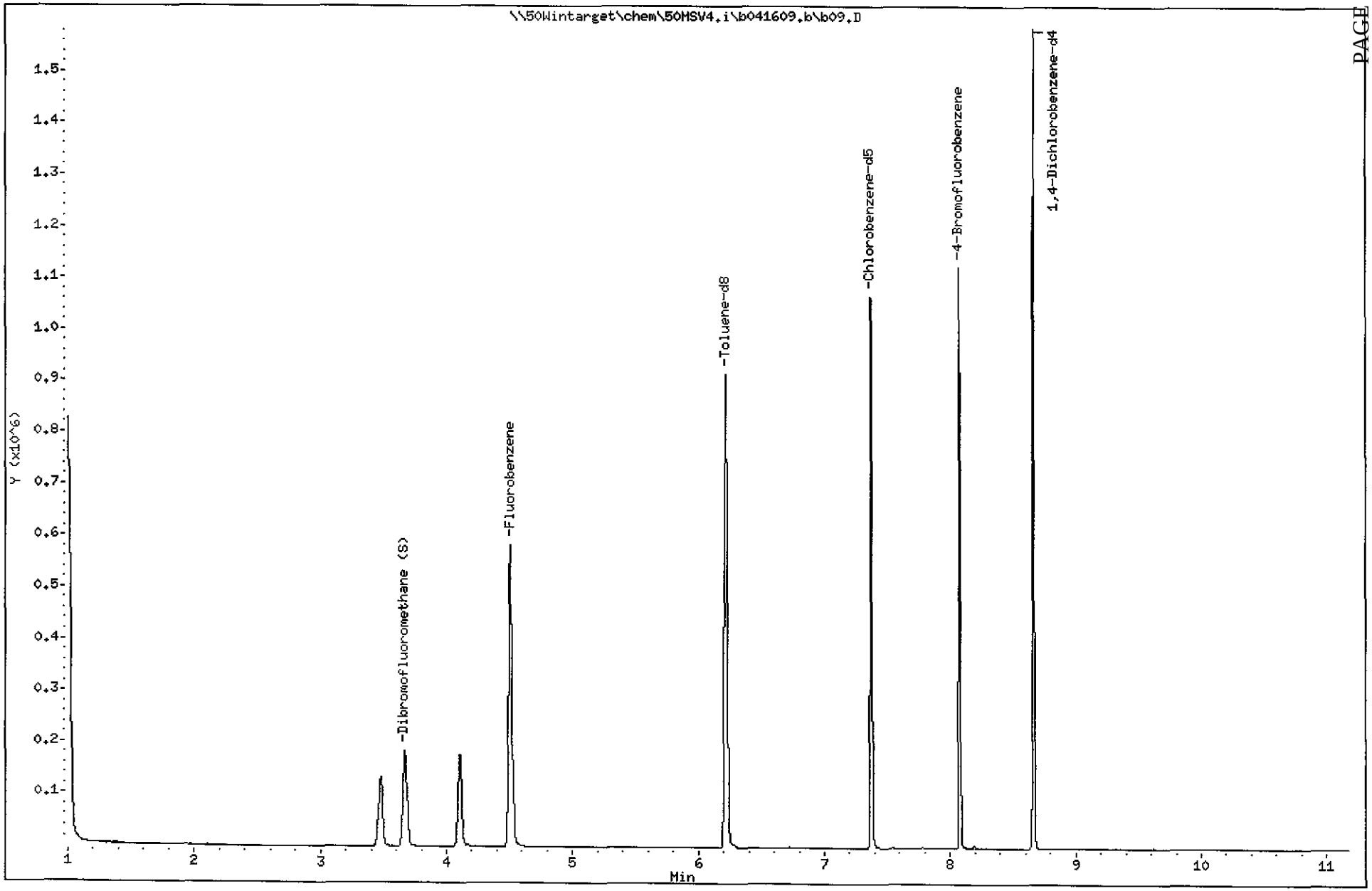
Client Name:
Lab Smp Id: 5025200006
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: 15688

Client SDG: b041609.b
Client Smp ID: 00006
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: slb

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ppb	Q
67-66-3	Chloroform	33.3	
1868-53-7	Dibromofluoromethane (S)	48.4	
2037-26-5	Toluene-d8	48.1	
460-00-4	4-Bromofluorobenzene	48.4	

Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b09.D
Date : 16-APR-2009 12:10
Client ID: 00006
Sample Info: 5025200006
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50MSV4.i
Operator: slb
Column diameter: 0.18



Data File: \\50Wintarget\chem\50MSV4.i\b041609.b\b09.D

Date : 16-APR-2009 12:10

Client ID: 00006

Instrument: 50MSV4.i

Sample Info: 5025200006

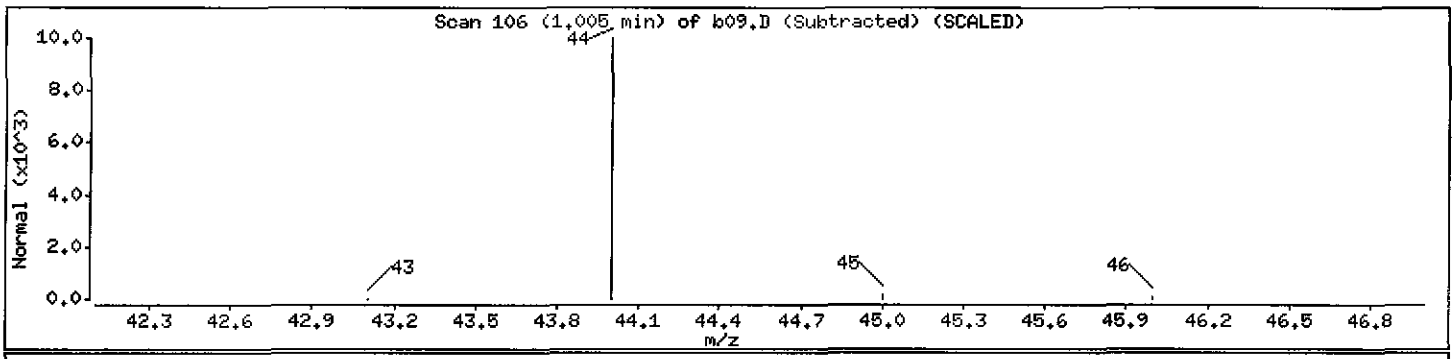
Purge Volume: 5.0

Operator: slb

Column phase: DB-624

Column diameter: 0.18

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
UNKNOWN						



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SVOA 8270C
GC/MS Semi-volatiles

Project Number 5925200

Initials/ Date Compiled KS 4/29/09

Section 1: Prep and Analytical Information

** Sample Preparation Logs*
** Sample Analysis Logs*
** QC Summary Sheets*

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: MW2-3-S2(040909)
Lab ID: 5025200005
Collected: 04/09/09 15:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
83-32-9	Acenaphthene	ND	ug/L	5.1	1.4	1	04/15/09 12:10	04/16/09 14:12	
208-96-8	Acenaphthylene	ND	ug/L	5.1	1.5	1	04/15/09 12:10	04/16/09 14:12	
98-86-2	Acetophenone	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
120-12-7	Anthracene	ND	ug/L	5.1	1.2	1	04/15/09 12:10	04/16/09 14:12	
1912-24-9	Atrazine	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
100-52-7	Benzaldehyde	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
56-55-3	Benzo(a)anthracene	ND	ug/L	5.1	1.7	1	04/15/09 12:10	04/16/09 14:12	
50-32-8	Benzo(a)pyrene	ND	ug/L	5.1	1.1	1	04/15/09 12:10	04/16/09 14:12	
205-99-2	Benzo(b)fluoranthene	ND	ug/L	5.1	0.84	1	04/15/09 12:10	04/16/09 14:12	
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
207-08-9	Benzo(k)fluoranthene	ND	ug/L	5.1	1.6	1	04/15/09 12:10	04/16/09 14:12	
92-52-4	Biphenyl (Diphenyl)	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
101-55-3	4-Bromophenylphenyl ether	ND	ug/L	5.1	1.2	1	04/15/09 12:10	04/16/09 14:12	
85-68-7	Butylbenzylphthalate	ND	ug/L	5.1	1.9	1	04/15/09 12:10	04/16/09 14:12	
105-60-2	Caprolactam	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
86-74-8	Carbazole	ND	ug/L	5.1	0.70	1	04/15/09 12:10	04/16/09 14:12	
106-47-8	4-Chloroaniline	ND	ug/L	10.2	1.0	1	04/15/09 12:10	04/16/09 14:12	
111-91-1	bis(2-Chloroethoxy)methane	ND	ug/L	5.1	1.6	1	04/15/09 12:10	04/16/09 14:12	
111-44-4	bis(2-Chloroethyl) ether	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
91-58-7	2-Chloronaphthalene	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
7005-72-3	4-Chlorophenylphenyl ether	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
218-01-9	Chrysene	ND	ug/L	5.1	1.8	1	04/15/09 12:10	04/16/09 14:12	
53-70-3	Dibenz(a,h)anthracene	ND	ug/L	5.1	1.1	1	04/15/09 12:10	04/16/09 14:12	
132-64-9	Dibenzofuran	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
91-94-1	3,3'-Dichlorobenzidine	ND	ug/L	5.1	2.0	1	04/15/09 12:10	04/16/09 14:12	
84-66-2	Diethylphthalate	ND	ug/L	5.1	1.6	1	04/15/09 12:10	04/16/09 14:12	
131-11-3	Dimethylphthalate	ND	ug/L	5.1	2.4	1	04/15/09 12:10	04/16/09 14:12	
84-74-2	Di-n-butylphthalate	ND	ug/L	5.1	1.7	1	04/15/09 12:10	04/16/09 14:12	
121-14-2	2,4-Dinitrotoluene	ND	ug/L	5.1	1.6	1	04/15/09 12:10	04/16/09 14:12	
606-20-2	2,6-Dinitrotoluene	ND	ug/L	5.1	1.6	1	04/15/09 12:10	04/16/09 14:12	
117-84-0	Di-n-octylphthalate	ND	ug/L	5.1	1.2	1	04/15/09 12:10	04/16/09 14:12	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
206-44-0	Fluoranthene	ND	ug/L	5.1	1.4	1	04/15/09 12:10	04/16/09 14:12	
86-73-7	Fluorene	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
87-68-3	Hexachloro-1,3-butadiene	ND	ug/L	5.1	0.41	1	04/15/09 12:10	04/16/09 14:12	
118-74-1	Hexachlorobenzene	ND	ug/L	5.1	1.2	1	04/15/09 12:10	04/16/09 14:12	
77-47-4	Hexachlorocyclopentadiene	ND	ug/L	25.5	0.38	1	04/15/09 12:10	04/16/09 14:12	
67-72-1	Hexachloroethane	ND	ug/L	5.1	0.50	1	04/15/09 12:10	04/16/09 14:12	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	5.1	1.1	1	04/15/09 12:10	04/16/09 14:12	
78-59-1	Isophorone	ND	ug/L	5.1	1.8	1	04/15/09 12:10	04/16/09 14:12	
91-57-6	2-Methylnaphthalene	ND	ug/L	5.1	1.2	1	04/15/09 12:10	04/16/09 14:12	
91-20-3	Naphthalene	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
88-74-4	2-Nitroaniline	ND	ug/L	20.4	1.2	1	04/15/09 12:10	04/16/09 14:12	

Date: 04/29/2009 01:54 PM

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
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(317)875-5894

ANALYTICAL RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

Matrix: Water
% Moisture:
Acode: 8270 MSSV Semivolatile Organic
Prep/Method: EPA 3510 / EPA 8270

Sample: MW2-3-S2(040909)
Lab ID: 5025200005
Collected: 04/09/09 15:00
Received: 04/13/09 15:53

CAS No.	Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	Qual
99-09-2	3-Nitroaniline	ND	ug/L	20.4	1.0	1	04/15/09 12:10	04/16/09 14:12	
100-01-6	4-Nitroaniline	ND	ug/L	20.4	1.7	1	04/15/09 12:10	04/16/09 14:12	
98-95-3	Nitrobenzene	ND	ug/L	5.1	1.8	1	04/15/09 12:10	04/16/09 14:12	
621-64-7	N-Nitroso-di-n-propylamine	ND	ug/L	5.1	2.3	1	04/15/09 12:10	04/16/09 14:12	
86-30-6	N-Nitrosodiphenylamine	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.1	2.6	1	04/15/09 12:10	04/16/09 14:12	
85-01-8	Phenanthrene	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
129-00-0	Pyrene	ND	ug/L	5.1	1.3	1	04/15/09 12:10	04/16/09 14:12	
4165-60-0	Nitrobenzene-d5 (S)	**92**	%	40-112		1	04/15/09 12:10	04/16/09 14:12	
321-60-8	2-Fluorobiphenyl (S)	**89**	%	31-114		1	04/15/09 12:10	04/16/09 14:12	
1718-51-0	Terphenyl-d14 (S)	**77**	%	10-116		1	04/15/09 12:10	04/16/09 14:12	
13127-88-3	Phenol-d6 (S)	**34**	%	10-100		1	04/15/09 12:10	04/16/09 14:12	
367-12-4	2-Fluorophenol (S)	**57**	%	13-100		1	04/15/09 12:10	04/16/09 14:12	
118-79-6	2,4,6-Tribromophenol (S)	**79**	%	26-125		1	04/15/09 12:10	04/16/09 14:12	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT/12552
Method(s): EPA 3510 / EPA 8270
Associated Lab Samples: 5025200005

Prepared: 04/15/09

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.0	2.5	04/16/09	
121-14-2	2,4-Dinitrotoluene	ND	ug/L	5.0	1.6	04/16/09	
606-20-2	2,6-Dinitrotoluene	ND	ug/L	5.0	1.5	04/16/09	
91-58-7	2-Chloronaphthalene	ND	ug/L	5.0	1.2	04/16/09	
91-57-6	2-Methylnaphthalene	ND	ug/L	5.0	1.1	04/16/09	
88-74-4	2-Nitroaniline	ND	ug/L	20.0	1.2	04/16/09	
91-94-1	3,3'-Dichlorobenzidine	ND	ug/L	5.0	1.9	04/16/09	
99-09-2	3-Nitroaniline	ND	ug/L	20.0	1.0	04/16/09	
101-55-3	4-Bromophenylphenyl ether	ND	ug/L	5.0	1.2	04/16/09	
106-47-8	4-Chloroaniline	ND	ug/L	10.0	1.0	04/16/09	
7005-72-3	4-Chlorophenylphenyl ether	ND	ug/L	5.0	1.3	04/16/09	
100-01-6	4-Nitroaniline	ND	ug/L	20.0	1.7	04/16/09	
83-32-9	Acenaphthene	ND	ug/L	5.0	1.4	04/16/09	
208-96-8	Acenaphthylene	ND	ug/L	5.0	1.4	04/16/09	
98-86-2	Acetophenone	ND	ug/L	5.0	2.5	04/16/09	
120-12-7	Anthracene	ND	ug/L	5.0	1.2	04/16/09	
1912-24-9	Atrazine	ND	ug/L	5.0	2.5	04/16/09	
100-52-7	Benzaldehyde	ND	ug/L	5.0	2.5	04/16/09	
56-55-3	Benzo(a)anthracene	ND	ug/L	5.0	1.7	04/16/09	
50-32-8	Benzo(a)pyrene	ND	ug/L	5.0	1.0	04/16/09	
205-99-2	Benzo(b)fluoranthene	ND	ug/L	5.0	0.82	04/16/09	
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	5.0	1.2	04/16/09	
207-08-9	Benzo(k)fluoranthene	ND	ug/L	5.0	1.6	04/16/09	
92-52-4	Biphenyl (Diphenyl)	ND	ug/L	5.0	2.5	04/16/09	
111-91-1	bis(2-Chloroethoxy)methane	ND	ug/L	5.0	1.6	04/16/09	
111-44-4	bis(2-Chloroethyl) ether	ND	ug/L	5.0	1.3	04/16/09	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	2.5	04/16/09	
85-68-7	Butylbenzylphthalate	ND	ug/L	5.0	1.8	04/16/09	
105-60-2	Caprolactam	ND	ug/L	5.0	2.5	04/16/09	

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METHOD BLANK RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT/12552
Method(s): EPA 3510 / EPA 8270
Associated Lab Samples: 5025200005

Prepared: 04/15/09

CAS No.	Parameters	Results	Units	Reporting Limit	MDL	Analyzed	Qual
86-74-8	Carbazole	ND	ug/L	5.0	0.69	04/16/09	
218-01-9	Chrysene	ND	ug/L	5.0	1.7	04/16/09	
84-74-2	Di-n-butylphthalate	ND	ug/L	5.0	1.7	04/16/09	
117-84-0	Di-n-octylphthalate	ND	ug/L	5.0	1.2	04/16/09	
53-70-3	Dibenz(a,h)anthracene	ND	ug/L	5.0	1.1	04/16/09	
132-64-9	Dibenzofuran	ND	ug/L	5.0	1.3	04/16/09	
84-66-2	Diethylphthalate	ND	ug/L	5.0	1.6	04/16/09	
131-11-3	Dimethylphthalate	ND	ug/L	5.0	2.4	04/16/09	
206-44-0	Fluoranthene	ND	ug/L	5.0	1.4	04/16/09	
86-73-7	Fluorene	ND	ug/L	5.0	1.3	04/16/09	
87-68-3	Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.40	04/16/09	
118-74-1	Hexachlorobenzene	ND	ug/L	5.0	1.2	04/16/09	
77-47-4	Hexachlorocyclopentadiene	ND	ug/L	25.0	0.37	04/16/09	
67-72-1	Hexachloroethane	ND	ug/L	5.0	0.49	04/16/09	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	1.1	04/16/09	
78-59-1	Isophorone	ND	ug/L	5.0	1.8	04/16/09	
621-64-7	N-Nitroso-di-n-propylamine	ND	ug/L	5.0	2.2	04/16/09	
86-30-6	N-Nitrosodiphenylamine	ND	ug/L	5.0	1.2	04/16/09	
91-20-3	Naphthalene	ND	ug/L	5.0	1.3	04/16/09	
98-95-3	Nitrobenzene	ND	ug/L	5.0	1.8	04/16/09	
85-01-8	Phenanthrene	ND	ug/L	5.0	1.3	04/16/09	
129-00-0	Pyrene	ND	ug/L	5.0	1.2	04/16/09	

Type	Sample	Matrix
BLANK	286984	Water

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SURROGATE RECOVERY SUMMARY

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT / 12552
Method(s): EPA 3510 / EPA 8270

Lab ID	Type	Client Sample ID	Dilution	Sur1 % Rec	Sur1 Qual	Sur2 % Rec	Sur2 Qual	Sur3 % Rec	Sur3 Qual	Sur4 % Rec	Sur4 Qual	Sur5 % Rec	Sur5 Qual	Sur6 % Rec	Sur6 Qual
286984	BLANK		1	81		95		59		92		37		87	
286985	LCS		1	81		87		59		89		38		84	
286986	MS		1	83		93		79		90		63		85	
286987	MSD		1	81	R1	89	R1	73	R1	89	R1	56	R1	82	R1
5025200005		MW2-3-S2(040909)	1	79		89		57		92		34		77	
			QC Limits:	26-125		31-114		13-100		40-112		10-100		10-116	

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d6 (S)
Sur 6: Terphenyl-d14 (S)

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT/12552 **LCS Prepared:** 04/15/09
Method(s): EPA 3510 / EPA 8270 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
2,2'-Oxybis(1-chloropropane)	79			50-150		100	78.9		ug/L	04/16/09			
2,4-Dinitrotoluene	92			39-129		100	91.7		ug/L	04/16/09			
2,6-Dinitrotoluene	91			45-143		100	90.6		ug/L	04/16/09			
2-Chloronaphthalene	84			33-136		100	83.7		ug/L	04/16/09			
2-Methylnaphthalene	79			34-112		100	79.0		ug/L	04/16/09			
2-Nitroaniline	90			44-136		100	90.3		ug/L	04/16/09			
3,3'-Dichlorobenzidine	135			15-133		100	135		ug/L	04/16/09		L0	
3-Nitroaniline	86			36-111		100	86.4		ug/L	04/16/09			
4-Bromophenylphenyl ether	89			25-145		100	89.1		ug/L	04/16/09			
4-Chloroaniline	47			10-139		100	47.3		ug/L	04/16/09			
4-Chlorophenylphenyl ether	89			46-132		100	89.3		ug/L	04/16/09			
4-Nitroaniline	83			34-162		100	83.1		ug/L	04/16/09			
Acenaphthene	89			40-116		100	89.1		ug/L	04/16/09			
Acenaphthylene	87			40-117		100	86.8		ug/L	04/16/09			
Acetophenone	81			50-150		100	81.0		ug/L	04/16/09			
Anthracene	93			43-128		100	92.7		ug/L	04/16/09			
Atrazine	126			50-150		100	126		ug/L	04/16/09			
Benzaldehyde	156			50-150		100	156		ug/L	04/16/09		L0	
Benzo(a)anthracene	98			51-120		100	98.4		ug/L	04/16/09			
Benzo(a)pyrene	92			36-132		100	91.6		ug/L	04/16/09			
Benzo(b)fluoranthene	96			37-130		100	95.8		ug/L	04/16/09			
Benzo(g,h,i)perylene	99			30-130		100	99.2		ug/L	04/16/09			
Benzo(k)fluoranthene	82			26-143		100	81.9		ug/L	04/16/09			
Biphenyl (Diphenyl)	86			50-150		100	85.8		ug/L	04/16/09			
bis(2-Chloroethoxy)methane	86			39-132		100	86.4		ug/L	04/16/09			
bis(2-Chloroethyl) ether	84			35-122		100	84.0		ug/L	04/16/09			
bis(2-Ethylhexyl)phthalate	86			51-149		100	86.1		ug/L	04/16/09			
Butylbenzylphthalate	86			47-148		100	86.5		ug/L	04/16/09			
Caprolactam	24			50-150		100	23.6		ug/L	04/16/09		L0	

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LAB CONTROL SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT/12552 **LCS Prepared:** 04/15/09
Method(s): EPA 3510 / EPA 8270 **LCSD Prepared:**

Analyte	LCS % Rec	LCSD % Rec	RPD	QC Limits % Rec	QC Limits RPD	Spike Conc	LCS Conc	LCSD Conc	Units	LCS Analyzed	LCSD Analyzed	LCS Qual	LCSD Qual
Carbazole	92			35-159		100	91.6		ug/L	04/16/09			
Chrysene	93			45-129		100	92.9		ug/L	04/16/09			
Di-n-butylphthalate	89			40-156		100	88.7		ug/L	04/16/09			
Di-n-octylphthalate	84			54-153		100	83.7		ug/L	04/16/09			
Dibenz(a,h)anthracene	100			30-129		100	99.8		ug/L	04/16/09			
Dibenzofuran	86			43-138		100	86.1		ug/L	04/16/09			
Diethylphthalate	88			51-144		100	88.2		ug/L	04/16/09			
Dimethylphthalate	90			46-140		100	90.1		ug/L	04/16/09			
Fluoranthene	92			47-126		100	91.7		ug/L	04/16/09			
Fluorene	88			42-121		100	88.4		ug/L	04/16/09			
Hexachloro-1,3-butadiene	71			14-118		100	71.1		ug/L	04/16/09			
Hexachlorobenzene	79			19-138		100	79.1		ug/L	04/16/09			
Hexachlorocyclopentadiene	63			10-120		100	62.9		ug/L	04/16/09			
Hexachloroethane	62			10-114		100	62.1		ug/L	04/16/09			
Indeno(1,2,3-cd)pyrene	102			30-129		100	102		ug/L	04/16/09			
Isophorone	89			39-131		100	88.9		ug/L	04/16/09			
N-Nitroso-di-n-propylamine	79			35-129		100	79.2		ug/L	04/16/09			
N-Nitrosodiphenylamine	115			28-146		100	115		ug/L	04/16/09			
Naphthalene	80			31-118		100	79.7		ug/L	04/16/09			
Nitrobenzene	85			37-122		100	84.6		ug/L	04/16/09			
Phenanthrene	94			45-124		100	94.0		ug/L	04/16/09			
Pyrene	95			44-126		100	94.7		ug/L	04/16/09			

Type	Sample
LCS	286985

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MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT/12552
Method(s): EPA 3510 / EPA 8270

MS Prepared: 04/15/09
MSD Prepared: 04/15/09

Analyte	Units	Sample Conc	Spike Conc MS	Spike Conc MSD	Result MS	Result MSD	Dilution MS	Dilution MSD	% Recovery MS	% Recovery MSD	QC Limits %Recovery	RPD	Max RPD	Analyzed Date MS	Analyzed Date MSD	Qualifier(s) MS	Qualifier(s) MSD
2,2'-Oxybis(1-chloropropane)	ug/L	ND	238	192	189	149	1	1	79	78	50-150	24	20	04/16/09	04/16/09		R1
2,4-Dinitrotoluene	ug/L	ND	238	192	222	171	1	1	93	89	40-121	26	20	04/16/09	04/16/09		R1
2,6-Dinitrotoluene	ug/L	ND	238	192	219	173	1	1	92	90	33-135	24	20	04/16/09	04/16/09		R1
2-Chloronaphthalene	ug/L	ND	238	192	214	167	1	1	90	87	23-133	25	20	04/16/09	04/16/09		R1
2-Methylnaphthalene	ug/L	ND	238	192	199	157	1	1	84	82	29-122	24	20	04/16/09	04/16/09		R1
2-Nitroaniline	ug/L	ND	238	192	213	170	1	1	89	88	31-126	23	20	04/16/09	04/16/09		R1
3,3'-Dichlorobenzidine	ug/L	ND	238	192	322	258	1	1	135	134	10-120	22	20	04/16/09	04/16/09	M0	R1
3-Nitroaniline	ug/L	ND	238	192	197	158	1	1	83	82	19-102	22	20	04/16/09	04/16/09		R1
4-Bromophenylphenyl ether	ug/L	ND	238	192	226	176	1	1	95	92	26-140	25	20	04/16/09	04/16/09		R1
4-Chloroaniline	ug/L	ND	238	192	98.1	79.2	1	1	41	41	10-120	21	20	04/16/09	04/16/09		R1
4-Chlorophenylphenyl ether	ug/L	ND	238	192	221	175	1	1	93	91	37-123	24	20	04/16/09	04/16/09		R1
4-Nitroaniline	ug/L	ND	238	192	196	155	1	1	82	80	10-173	24	20	04/16/09	04/16/09		R1
Acenaphthene	ug/L	ND	238	192	222	172	1	1	93	90	39-116	25	20	04/16/09	04/16/09		R1
Acenaphthylene	ug/L	ND	238	192	217	170	1	1	91	88	38-120	24	20	04/16/09	04/16/09		R1
Acetophenone	ug/L	ND	238	192	191	152	1	1	80	79	50-150	23	20	04/16/09	04/16/09		R1
Anthracene	ug/L	ND	238	192	230	179	1	1	97	93	39-130	25	20	04/16/09	04/16/09		R1
Atrazine	ug/L	ND	238	192	303	240	1	1	127	125	50-150	23	20	04/16/09	04/16/09		R1
Benzaldehyde	ug/L	ND	238	192	369	293	1	1	155	152	50-150	23	20	04/16/09	04/16/09	M0	R1
Benzo(a)anthracene	ug/L	ND	238	192	249	194	1	1	105	101	31-116	25	20	04/16/09	04/16/09		R1
Benzo(a)pyrene	ug/L	ND	238	192	224	176	1	1	94	92	10-106	24	20	04/16/09	04/16/09		R1
Benzo(b)fluoranthene	ug/L	ND	238	192	231	181	1	1	97	94	10-110	24	20	04/16/09	04/16/09		R1
Benzo(g,h,i)perylene	ug/L	ND	238	192	241	189	1	1	101	98	10-120	24	20	04/16/09	04/16/09		R1
Benzo(k)fluoranthene	ug/L	ND	238	192	210	160	1	1	88	83	10-114	27	20	04/16/09	04/16/09		R1
Biphenyl (Diphenyl)	ug/L	ND	238	192	219	169	1	1	92	88	50-150	26	20	04/16/09	04/16/09		R1
bis(2-Chloroethoxy)methane	ug/L	ND	238	192	205	164	1	1	86	85	33-123	22	20	04/16/09	04/16/09		R1
bis(2-Chloroethyl) ether	ug/L	ND	238	192	200	157	1	1	84	82	10-136	24	20	04/16/09	04/16/09		R1
bis(2-Ethylhexyl)phthalate	ug/L	ND	238	192	213	168	1	1	89	88	49-129	23	20	04/16/09	04/16/09		R1
Butylbenzylphthalate	ug/L	ND	238	192	220	170	1	1	92	88	40-136	26	20	04/16/09	04/16/09		R1
Caprolactam	ug/L	ND	238	192	102	70.6	1	1	43	37	50-150	37	20	04/16/09	04/16/09	M0	R1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

MATRIX SPIKE SAMPLE RESULTS

Project: Allison Transmission
Pace Project No.: 5025200

QB Batch: OEXT/12552
Method(s): EPA 3510 / EPA 8270

MS Prepared: 04/15/09
MSD Prepared: 04/15/09

Analyte	Units	Sample Conc	Spike Conc		Result		Dilution		% Recovery		QC Limits		Max	Analyzed Date		Qualifier(s)	
			MS	MSD	MS	MSD	MS	MSD	MS	MSD	%Recovery	RPD	RPD	MS	MSD	MS	MSD
Carbazole	ug/L	ND	238	192	219	174	1	1	92	91	39-145	23	20	04/16/09	04/16/09		R1
Chrysene	ug/L	ND	238	192	231	181	1	1	97	94	26-121	24	20	04/16/09	04/16/09		R1
Di-n-butylphthalate	ug/L	ND	238	192	215	171	1	1	90	89	11-162	22	20	04/16/09	04/16/09		R1
Di-n-octylphthalate	ug/L	ND	238	192	208	162	1	1	87	84	46-142	25	20	04/16/09	04/16/09		R1
Dibenz(a,h)anthracene	ug/L	ND	238	192	251	192	1	1	105	100	10-120	26	20	04/16/09	04/16/09		R1
Dibenzofuran	ug/L	ND	238	192	214	166	1	1	90	86	22-136	25	20	04/16/09	04/16/09		R1
Diethylphthalate	ug/L	ND	238	192	212	164	1	1	89	85	36-137	25	20	04/16/09	04/16/09		R1
Dimethylphthalate	ug/L	ND	238	192	211	168	1	1	89	87	36-134	23	20	04/16/09	04/16/09		R1
Fluoranthene	ug/L	ND	238	192	227	176	1	1	95	91	41-126	25	20	04/16/09	04/16/09		R1
Fluorene	ug/L	ND	238	192	220	173	1	1	93	90	42-121	24	20	04/16/09	04/16/09		R1
Hexachloro-1,3-butadiene	ug/L	ND	238	192	205	156	1	1	86	81	22-115	27	20	04/16/09	04/16/09		R1
Hexachlorobenzene	ug/L	ND	238	192	194	151	1	1	82	78	24-119	25	20	04/16/09	04/16/09		R1
Hexachlorocyclopentadiene	ug/L	ND	238	192	170	144	1	1	71	75	14-120	16	20	04/16/09	04/16/09		R1
Hexachloroethane	ug/L	ND	238	192	165	130	1	1	69	67	12-116	24	20	04/16/09	04/16/09		R1
Indeno(1,2,3-cd)pyrene	ug/L	ND	238	192	254	195	1	1	107	101	10-120	26	20	04/16/09	04/16/09		R1
Isophorone	ug/L	ND	238	192	208	166	1	1	87	86	34-124	22	20	04/16/09	04/16/09		R1
N-Nitroso-di-n-propylamine	ug/L	ND	238	192	188	148	1	1	79	77	38-114	23	20	04/16/09	04/16/09		R1
N-Nitrosodiphenylamine	ug/L	ND	238	192	282	217	1	1	118	113	33-136	26	20	04/16/09	04/16/09		R1
Naphthalene	ug/L	ND	238	192	206	160	1	1	86	83	28-126	25	20	04/16/09	04/16/09		R1
Nitrobenzene	ug/L	ND	238	192	204	166	1	1	86	86	37-122	21	20	04/16/09	04/16/09		R1
Phenanthrene	ug/L	ND	238	192	231	181	1	1	97	94	43-126	24	20	04/16/09	04/16/09		R1
Pyrene	ug/L	ND	238	192	229	184	1	1	96	96	42-121	22	20	04/16/09	04/16/09		R1

Type	Sample	Client Sample ID
MS	286986	5025166036
MSD	286987	5025166036

REPORT OF LABORATORY ANALYSIS

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PACE - ORGANIC PREP BENCHSHEET

4/15/2009

12552

WATERS METHOD 3510

SOILS METHOD 3550

SOILS METHOD 3546

Method:	8270 TCLP 4/15 ED	Technician:	ED		H2O Bath:	-	Water:	-		MeCl2:	CV535
Surrogate Lot	F052E	Time Start:	1:40		N-Evap:	390	Hexane:	-		Na2SO4:	GH 7595
Amount	1mL	Time Stop:	~~0930~~ 1500 4/15 ED		MeCl2:	-	Oil:	-		ACN:	-
Spike Lot:	F032A	Zymark:	-				NaOH:	F055B		H2SO4:	2642
Amount	1mL										

Sample #	Client	Type	Init_wt/vol	pH	pH	Extract	pH	Extract	Solvent Exchange	Final Volume	Matrix	Comments
286984	In-house QC Accour	BLANK	1000mL	7	<2	3x60mL CH_2Cl_2	>11	3x60mL CH_2Cl_2	-	1mL	WT	
286985	In-house QC Accour	LCS	1000mL								WT	
5025166034	Conestoga-Rovers a	PS	950mL								WT	
5025166035	Conestoga-Rovers a	PS	950mL								WT	
5025166036	Conestoga-Rovers a	OQS	950mL								WT	
286986	In-house QC Accour	MS	420mL								WT	
286987	In-house QC Accour	MSD	520mL								WT	
5025200005	Conestoga-Rovers a	PS	980mL								WT	

INSTRUMENT RUN LOG
Pace Analytical Services

Sms52
040809.b

Instrument: 50MSS2.i
Column .50um DB-5ms 30m X 0.25mm He
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: H059L

Method: Semivolatile REPORT SW-846 Met
MeCl2 H057L
Surr. lot:
Cal. std: calibration

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/5050-a.D	5050	L/	SAMPLE	1	8270t	4/08/09	09:34	KES	
1/Mecl2-a.D	h057L	L/	SAMPLE	1	8270t	4/08/09	09:54	KES	
1/rec-test.D	rec-test	L/	CCALIB_6	1	8270t	4/08/09	10:14	KES	
1/df0408a.D	h059L - good	L/	DFTPP	1	dftpp	4/08/09	10:34	KES	
1/1ppm.D	h061a	L/	CALIB_1	1	8270t	4/08/09	10:54	KES	
1/5ppm.D	h061b	L/	CALIB_2	1	8270t	4/08/09	11:15	KES	
1/10ppm.D	h061c	L/	CALIB_3	1	8270t	4/08/09	11:35	KES	
1/20ppm.D	h061d	L/	CALIB_4	1	8270t	4/08/09	11:55	KES	
1/50ppm.D	50ppm	L/	CALIB_5	1	8270t	4/08/09	12:15	KES	
1/100ppm.D	100ppm	L/	CCALIB_6	1	8270t	4/08/09	12:36	KES	
1/150ppm.D	150ppm	L/	CALIB_7	1	8270t	4/08/09	12:56	KES	
1/175ppm.D	175ppm	L/	CALIB_8	1	8270t	4/08/09	13:16	KES	
1/200ppm.D	200ppm	L/	CALIB_9	1	8270t	4/08/09	13:36	KES	
1/ICV.D	h060e - good	L/	LCS	1	8270t	4/08/09	13:57	KES	Cal may have been made wrong
1/284346b.D	284346	S/,2	BLANK	1	8270t	4/08/09	14:46	KES	
1/284347L.D	284347	S/,2,,3,LCS,soillcs.spk	LCS	1	8270t	4/08/09	15:06	KES	
1/5024867001r.D	5024867001	S/,2	SAMPLE	1	8270t	4/08/09	15:26	KES	
1/icv-b.D	h057k - good	L/	LCS	1	8270t	4/08/09	15:46	KES	Not all 80-120 but all 70-130
1/5025013004.D	5025013004	S/,2	SAMPLE	1	8270t	4/08/09	16:06	KES	
1/5025013003.D	5025013003	S/,2	SAMPLE	1	8270t	4/08/09	16:26	KES	
1/5025013001.D	5025013001	S/,2	SAMPLE	1	8270t	4/08/09	16:47	KES	
1/5024917001.D	5024917001	S/,2	SAMPLE	1	8270t	4/08/09	17:07	KES	
1/284348m.D	284348	S/,2,,3,MS,solid.spk	MS	1	8270t	4/08/09	17:27	KES	
1/284349d.D	284349	S/,2,,3,MSD,solid.spk	MSD	1	8270t	4/08/09	17:47	KES	
1/Mecl2-b.D	h057L	L/	SAMPLE	1	8270t	4/08/09	18:07	KES	

all good

KS 4/10/09

Changes made to 3+4 methylphenol calibration. This did not affect reported data KS 4/10/09

File Path 1: \\50wintarget\chem\50MSS2.i\040809.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:47 04/10/2009

Page: 1

50MSS2
~~041709.b~~ 4/21/09
041609.b

INSTRUMENT RUN LOG
Pace Analytical Services

Instrument: 50MSS2.i
Column .50um DB-5ms 30m X 0.25mm He
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: H059L

Method: Semivolatile REPORT SW-846 Met
MeCl2 H057L
Surr. lot:
Cal. std: H061F

Path/File	Lab ID	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/Mecl2-a.D	h057L	L/	SAMPLE	1	8270t	4/16/09	08:50	KES	
1/Mecl2-b.D	h057L	L/	SAMPLE	1	8270t	4/16/09	09:09	KES	
1/df0416a.D	h059L	L/	DFTPP	1	dftpp	4/16/09	09:30	KES	good
1/100-a.D	h061f	L/	CCALIB_6	1	8270t	4/16/09	09:50	KES	good
1/5025215003.D	5025215003	L/,1,10	SAMPLE	10	8270t	4/16/09	10:10	KES	
1/287091b.D	287091	L/,1,,3,BLANK	BLANK	1	8270t	4/16/09	10:30	KES	
1/287092L.D	287092	L/,1,,3,LCS,tclplcs.spk	LCS	1	8270t	4/16/09	10:50	KES	
1/287093m.D	287093	L/,1,,3,MS,tclp	MS	1	8270t	4/16/09	11:10	KES	
1/5024920004.D	5024920004	L/,1	SAMPLE	1	8270t	4/16/09	11:31	KES	
1/286984b.D	286984	L/,1,,3,BLANK	BLANK	1	8270t	4/16/09	11:51	KES	
1/286985L.D	286985	L/,1,,3,LCS,tcllcs.spk	LCS	1	8270t	4/16/09	12:11	KES	
1/286986m.D	286986	L/,1,,3,MS,tcl.spk	MS	1	8270t	4/16/09	12:31	KES	
1/286987d.D	286987	L/,1,,3,MSD,tcl.spk	MSD	1	8270t	4/16/09	12:51	KES	
1/5025166034.D	5025166034	L/,1	SAMPLE	1	8270t	4/16/09	13:11	KES	
1/5025166035.D	5025166035	L/,1	SAMPLE	1	8270t	4/16/09	13:32	KES	
1/5025166036.D	5025166036	L/,1	SAMPLE	1	8270t	4/16/09	13:52	KES	
1/5025200005.D	5025200005	L/,1	SAMPLE	1	8270t	4/16/09	14:12	KES	
1/286790b.D	286790	S/,2,,3,BLANK	BLANK	1	8270t	4/16/09	14:32	KES	
1/286791L.D	286791	S/,2,,3,LCS,soillcs.spk	LCS	1	8270t	4/16/09	14:52	KES	
1/5025209004.D	5025209004	S/,2	SAMPLE	1	8270t	4/16/09	15:12	KES	
1/5025209008.D	5025209008	S/,2	SAMPLE	1	8270t	4/16/09	15:33	KES	
1/5025209012.D	5025209012	S/,2	SAMPLE	1	8270t	4/16/09	15:53	KES	
1/5025209014.D	5025209014	S/,2	SAMPLE	1	8270t	4/16/09	16:13	KES	
1/5025209016.D	5025209016	S/,2	SAMPLE	1	8270t	4/16/09	16:33	KES	
1/5025209018.D	5025209018	S/,2	SAMPLE	1	8270t	4/16/09	16:53	KES	
1/5025209020.D	5025209020	S/,2	SAMPLE	1	8270t	4/16/09	17:13	KES	
1/5025209003.D	5025209003	S/,2	SAMPLE	1	8270t	4/16/09	17:34	KES	
1/5025209006.D	5025209006	S/,2	SAMPLE	1	8270t	4/16/09	17:54	KES	
1/286792m.D	286792	S/,2,,3,MS,solid.spk	MS	1	8270t	4/16/09	18:14	KES	
1/286793d.D	286793	S/,2,,3,MSD,solid.spk	MSD	1	8270t	4/16/09	18:34	KES	
1/5025209017.D	5025209017	S/,2	SAMPLE	1	8270t	4/16/09	18:54	KES	
1/5025209001.D	5025209001	S/,2	SAMPLE	1	8270t	4/16/09	19:14	KES	
1/5025209002.D	5025209002	S/,2	SAMPLE	1	8270t	4/16/09	19:34	KES	

File Path 1: \\50wintarget\chem\50MSS2.i\041609.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:42 04/17/2009

Page: 1
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8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	132045	5.39	476075	6.71	281638	8.47
	UPPER LIMIT	264090	5.89	952150	7.21	563276	8.97
	LOWER LIMIT	66023	4.89	238038	6.21	140819	7.97
	EPA SAMPLE NO.						
01	286984	102670	5.39	362716	6.71	206463	8.47
02	286985	95070	5.39	331919	6.71	199838	8.47
03	286986	101839	5.38	350388	6.71	203560	8.47
04	286987	95454	5.39	330382	6.71	196743	8.47
05	034	97960	5.38	330914	6.71	189330	8.47
06	035	95089	5.39	318927	6.71	190897	8.47
07	036	89909	5.39	313353	6.71	190199	8.47
08	005	94037	5.38	327015	6.71	190635	8.47
09	008	102125	5.38	355390	6.70	209875	8.47
10	012	82576	5.38	294274	6.70	177325	8.47
11	014	94944	5.38	323153	6.70	183324	8.47
12	016	85183	5.38	298909	6.70	177870	8.47
13	018	85298	5.38	305781	6.70	186315	8.47
14	020	91241	5.38	303875	6.70	179110	8.47
15	003	94250	5.38	315585	6.70	186560	8.47
16	006	84647	5.38	290165	6.70	176987	8.47
17	286792	69023	5.38	243412	6.70	145394	8.47
18	286793	87304	5.38	297258	6.71	178271	8.47
19	017	89609	5.38	304585	6.71	176231	8.47
20	001	85193	5.38	291088	6.70	173665	8.47
21	002	85131	5.38	302652	6.71	182853	8.47
22	007	78177	5.39	263308	6.71	162570	8.47

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8B
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	132045	5.39	476075	6.71	281638	8.47
	UPPER LIMIT	264090	5.89	952150	7.21	563276	8.97
	LOWER LIMIT	66023	4.89	238038	6.21	140819	7.97
	EPA SAMPLE NO.						
01	009	86823	5.38	310673	6.71	185033	8.47
02	010	85208	5.39	303541	6.71	180477	8.47
03	011	82168	5.39	290469	6.71	177370	8.47
04	013	82985	5.39	287949	6.71	173551	8.47
05	005	84044	5.39	291269	6.71	175531	8.47
06	015	82426	5.39	286449	6.71	171421	8.47
07	019	84803	5.39	299006	6.71	177707	8.47
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	486545	9.92	638470	12.53	587604	13.84
	UPPER LIMIT	973090	10.42	1276940	13.03	1175208	14.34
	LOWER LIMIT	243273	9.42	319235	12.03	293802	13.34
	EPA SAMPLE NO.						
01	286984	368540	9.91	459096	12.52	450277	13.84
02	286985	357064	9.91	518853	12.52	497815	13.84
03	286986	360242	9.91	505539	12.52	489624	13.84
04	286987	348796	9.91	500282	12.52	484790	13.84
05	034	336978	9.91	428075	12.52	426104	13.84
06	035	339107	9.91	463119	12.52	472358	13.84
07	036	351780	9.91	476982	12.52	485450	13.84
08	005	334984	9.91	434262	12.52	435810	13.83
09	008	368309	9.91	448417	12.52	432325	13.83
10	012	330817	9.91	446085	12.52	447068	13.84
11	014	324069	9.91	417736	12.52	423101	13.83
12	016	324261	9.91	438902	12.52	443287	13.84
13	018	339824	9.91	454608	12.52	463293	13.83
14	020	320187	9.91	443493	12.52	453837	13.83
15	003	325645	9.91	433768	12.52	444987	13.83
16	006	324789	9.91	433189	12.52	454516	13.83
17	286792	268129	9.91	368798	12.52	371605	13.84
18	286793	321433	9.91	450825	12.52	457759	13.84
19	017	325400	9.91	444127	12.52	455577	13.84
20	001	323475	9.91	456637	12.52	486581	13.84
21	002	338229	9.91	468191	12.52	500111	13.84
22	007	301621	9.91	420912	12.52	443842	13.84

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

8C
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID (Standard): 100-A Date Analyzed: 04/16/09

Instrument ID: 50MSS2 Time Analyzed: 0950

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	486545	9.92	638470	12.53	587604	13.84
	UPPER LIMIT	973090	10.42	1276940	13.03	1175208	14.34
	LOWER LIMIT	243273	9.42	319235	12.03	293802	13.34
	EPA SAMPLE NO.						
01	009	346782	9.91	490306	12.52	514433	13.84
02	010	335432	9.91	460561	12.52	484000	13.84
03	011	327314	9.91	468798	12.52	509980	13.84
04	013	321960	9.91	475187	12.52	503193	13.84
05	005	325032	9.91	456559	12.52	510457	13.84
06	015	316281	9.91	444021	12.52	492965	13.84
07	019	335974	9.91	465904	12.52	500253	13.84
08							
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20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

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SVOA 8270C
GC/MS Semi-volatiles

Section 2: Initial Calibration Data

**** Initial Calibration Summary Table***
****DFTPP Tune Information***
**** Initial Calibration Standards***
**** ICV Standard***

Initial Calibrations included:
(Instrument name and calibration date)

ICAL 1: 5ms52 04/08/09

ICAL 2: _____

ICAL 3: _____

ICAL 4: _____

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INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Calibration File Names:
Level 1: \\50wintarget\chem\50MSS2.i\040809.b\1ppm.D
Level 2: \\50wintarget\chem\50MSS2.i\040809.b\5ppm.D
Level 3: \\50wintarget\chem\50MSS2.i\040809.b\10ppm.D
Level 4: \\50wintarget\chem\50MSS2.i\040809.b\20ppm.D
Level 5: \\50wintarget\chem\50MSS2.i\040809.b\50ppm.D
Level 6: \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Level 7: \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Level 8: \\50wintarget\chem\50MSS2.i\040809.b\175ppm.D
Level 9: \\50wintarget\chem\50MSS2.i\040809.b\200ppm.D

Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
1 N-Nitrosodimethylamine	+++++	0.71163	0.73365	0.72193	0.77191	0.71620					
	0.70154	0.68098	0.72713				AVRG		0.72062		3.66397
2 Pyridine	+++++	1.16562	1.17264	1.24134	1.32743	1.23931					
	1.23271	1.20711	1.29021				AVRG		1.23455		4.45089
4 Benzaldehyde	+++++	0.32607	0.35209	0.35364	0.37667	0.34691					
	0.37143	0.37356	0.40486				AVRG		0.36315		6.54144

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Compound	1.0000 Level 1	5.0000 Level 2	10.0000 Level 3	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
	150.0000 Level 7	175.0000 Level 8	200.0000 Level 9								
6 Phenol	+++++	1.48122	1.46598	1.44004	1.58529	1.47606					
	1.49275	1.44050	1.50069				AVRG		1.48532		3.09800
7 bis(2-Chloroethyl)ether	+++++	1.11515	1.14467	1.16272	1.22053	1.11879					
	1.13630	1.09330	1.14375				AVRG		1.14190		3.35434
8 2-Chlorophenol	+++++	1.25979	1.23232	1.20684	1.37102	1.28465					
	1.29526	1.26937	1.34081				AVRG		1.28251		4.20239
9 1,3-Dichlorobenzene	+++++	1.45620	1.43209	1.45415	1.58930	1.48574					
	1.50280	1.46668	1.57562				AVRG		1.49532		3.87243
11 1,4-Dichlorobenzene	+++++	1.47213	1.49865	1.49617	1.63937	1.53782					
	1.55992	1.52445	1.63593				AVRG		1.54556		4.07084
12 Benzyl Alcohol	0.83923	0.58648	0.67482	0.67604	0.75505	0.71008					
	0.74680	0.74222	0.78136				AVRG		0.72357		10.03843
13 1,2-Dichlorobenzene	+++++	1.39265	1.40287	1.40579	1.51840	1.42946					
	1.45532	1.42725	1.50318				AVRG		1.44187		3.25397

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
14 2-Methylphenol	+++++	1.11152	1.15627	1.13503	1.25667	1.18000					
	1.19350	1.15192	1.19582				AVRG		1.17259		3.80518
15 bis(2-Chloroisopropyl)ether	+++++	1.64891	1.65294	1.63752	1.70100	1.49832					
	1.42176	1.34048	1.36408				AVRG		1.53313		9.42477
16 2,2'-Oxybis(1-chloropropane)	+++++	1.64891	1.65294	1.63752	1.70100	1.49832					
	1.42176	1.34048	1.36408				AVRG		1.53313		9.42477
17 Acetophenone	+++++	1.82816	1.84843	1.77235	1.97717	1.82110					
	1.88732	1.82379	1.89428				AVRG		1.85657		3.35815
18 3&4-Methylphenol	+++++	1.13377	1.18898	1.18114	1.32178	1.22634					
	1.26071	1.22019	1.25782				AVRG		1.22384		4.71182
19 N-Nitroso-di-n-propylamine	+++++	1.01182	1.04051	1.01508	1.09519	0.99320					
	0.99541	0.94036	0.96084				AVRG		1.00655		4.73250
20 Hexachloroethane	+++++	0.61375	0.61850	0.62257	0.67581	0.63222					
	0.62897	0.60971	0.64794				AVRG		0.63118		3.42883

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
22 Nitrobenzene	+++++	0.43114	0.42421	0.41741	0.44857	0.40879					
	0.39540	0.38860	0.41158				AVRG		0.41571		4.64057
23 Isophorone	+++++	0.69901	0.71877	0.69913	0.75409	0.70310					
	0.69858	0.69069	0.72771				AVRG		0.71139		2.96241
24 2-Nitrophenol	+++++	0.18323	0.18646	0.18958	0.20951	0.20309					
	0.20088	0.19751	0.20996				AVRG		0.19753		5.17132
25 2,4-Dimethylphenol	+++++	0.29041	0.29683	0.29914	0.32233	0.30892					
	0.30290	0.29572	0.31446				AVRG		0.30384		3.51606
26 bis(2-Chloroethoxy)methane	+++++	0.41393	0.40161	0.39230	0.42476	0.39411					
	0.38563	0.37404	0.39911				AVRG		0.39819		3.98089
27 Benzoic Acid	+++++	+++++	+++++	16594	76664	149696					
	258495	304795	328700				QUAD	0.22112	5.88370	-0.37325	0.99822
28 2,4-Dichlorophenol	+++++	0.28424	0.28765	0.29143	0.32706	0.31765					
	0.32014	0.31768	0.33715				AVRG		0.31038		6.39225

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
29 1,2,4-Trichlorobenzene	+++++	0.36798	0.36940	0.36484	0.39592	0.38499					
	0.38286	0.37445	0.40229				AVRG		0.38034		3.58308
31 Naphthalene	+++++	0.99774	0.98283	0.98228	1.05386	1.00812					
	1.00366	1.00105	1.06228				AVRG		1.01148		2.99414
32 4-Chloroaniline	+++++	0.37057	0.39754	0.39711	0.44474	0.42528					
	0.42104	0.40034	0.41331				AVRG		0.40874		5.49417
33 Hexachlorobutadiene	+++++	0.27137	0.25561	0.25787	0.28425	0.27913					
	0.27650	0.27406	0.29745				AVRG		0.27453		4.94613
34 Caprolactam	846	3298	10012	19038	55657	108589					
	174210	200390	220783				LINR	0.04516	0.11449		0.99973
35 4-Chloro-3-methylphenol	+++++	0.28603	0.30310	0.29772	0.33344	0.31608					
	0.32391	0.31709	0.33295				AVRG		0.31379		5.40727
36 2-Methylnaphthalene	+++++	0.73138	0.72119	0.71447	0.76637	0.73860					
	0.74623	0.73967	0.78566				AVRG		0.74295		3.14902

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
37 Hexachlorocyclopentadiene	0.62163	0.46730	0.47645	0.49150	0.57722	0.56416					
	0.57413	0.56047	++++++				AVRG		0.54161		10.32092
38 2,4,6-Trichlorophenol	++++++	0.39659	0.39394	0.40095	0.44422	0.42911					
	0.42837	0.41712	0.45542				AVRG		0.42072		5.38163
39 2,4,5-Trichlorophenol	++++++	0.42334	0.43750	0.44141	0.49981	0.48127					
	0.48093	0.46553	0.50683				AVRG		0.46708		6.52073
41 Biphenyl (Diphenyl)	++++++	1.47819	1.45860	1.44164	1.61989	1.52908					
	1.48133	1.46529	1.56245				AVRG		1.50456		4.05879
42 2-Chloronaphthalene	++++++	1.20053	1.19063	1.17914	1.28942	1.23278					
	1.19879	1.18630	1.27246				AVRG		1.21876		3.42791
43 2-Nitroaniline	++++++	0.36881	0.37927	0.36952	0.41504	0.38176					
	0.36917	0.36218	0.38023				AVRG		0.37825		4.32886
44 Dimethylphthalate	++++++	1.35772	1.36557	1.31066	1.46576	1.39924					
	1.42087	1.38036	1.47261				AVRG		1.39660		3.94789

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
45 Acenaphthylene	+++++	1.75595	1.79526	1.75845	1.93683	1.85109					
	1.87134	1.81157	1.96766				AVRG		1.84352		4.26148
46 2,6-Dinitrotoluene	+++++	0.27687	0.29870	0.28520	0.33235	0.31594					
	0.32469	0.32008	0.33746				AVRG		0.31141		7.10827
48 3-Nitroaniline	+++++	0.28945	0.29588	0.30246	0.34599	0.32709					
	0.33623	0.32312	0.34265				AVRG		0.32036		6.81246
49 Acenaphthene	+++++	1.10603	1.13718	1.11430	1.23275	1.16697					
	1.16060	1.14602	1.23290				AVRG		1.16209		4.15735
50 2,4-Dinitrophenol	+++++	893	6085	15235	62275	133919					
	236817	270890	299043				LINR	0.20241	0.24845		0.99816
51 4-Nitrophenol	1336	5508	15506	27423	84357	163496					
	264393	295295	325006				LINR	0.01551	0.26263		0.99901
52 Dibenzofuran	+++++	1.65853	1.71332	1.62652	1.84215	1.75740					
	1.76511	1.72171	1.84452				AVRG		1.74116		4.49318

OK
<- BS 4/14/09

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
53 2,4-Dinitrotoluene	+++++	0.35285	0.40347	0.38231	0.44580	0.42570					
	0.44809	0.43382	0.46417				AVRG		0.41953		8.93270
54 Diethylphthalate	+++++	1.42693	1.44068	1.36181	1.52546	1.44550					
	1.46801	1.41858	1.49414				AVRG		1.44764		3.43679
55 Fluorene	+++++	1.36791	1.40538	1.32928	1.54948	1.48241					
	1.47853	1.42725	1.53143				AVRG		1.44646		5.36237
56 4-Chlorophenyl-phenylether	+++++	0.71005	0.73839	0.72255	0.83123	0.80597					
	0.81671	0.79137	0.85242				AVRG		0.78359		6.79485
57 4-Nitroaniline	2132	7041	19513	33426	103006	201262					
	344907	392014	423141				LINR	0.04815	0.34458		0.99921
58 4,6-Dinitro-2-methylphenol	788	4368	13842	27624	95933	192578					
	336004	386381	427904				LINR	0.10455	0.18688		0.99768
59 N-Nitrosodiphenylamine	+++++	0.47980	0.50045	0.50735	0.55578	0.53830					
	0.53639	0.53078	0.58048				AVRG		0.52867		6.07260

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
60 1,2-Diphenylhydrazine	+++++	0.86202	0.84276	0.84145	0.88443	0.81726					
	0.81728	0.77653	0.87091				AVRG		0.83908		4.14781
62 4-Bromophenyl-phenylether	+++++	0.26327	0.25743	0.26109	0.29463	0.29738					
	0.30820	0.30311	0.33207				AVRG		0.28965		9.19018
63 Hexachlorobenzene	4776	15187	36917	65649	203490	419887					
	742932	860052	957196				LINR	0.09783	0.41463		0.99657
64 Atrazine	+++++	0.15566	0.15568	0.16043	0.18347	0.17756					
	0.17900	0.17261	0.18162				AVRG		0.17075		6.85493
65 Pentachlorophenol	+++++	5024	15365	32831	111680	233691					
	424836	496493	548233				LINR	0.18063	0.24247		0.99635
67 Phenanthrene	+++++	1.08234	1.07360	1.08526	1.21176	1.15954					
	1.17096	1.13158	1.20688				AVRG		1.14024		4.89011
68 Anthracene	+++++	1.10249	1.12366	1.12292	1.25656	1.20233					
	1.22578	1.19300	1.26272				AVRG		1.18618		5.29381

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Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
69 Carbazole	+++++	0.99702	0.99958	1.00844	1.12910	1.08599					
	1.10592	1.07439	1.14725				AVRG		1.06846		5.60235
70 Di-n-butylphthalate	+++++	1.20488	1.26547	1.25240	1.41614	1.34091					
	1.36727	1.31424	1.38719				AVRG		1.31856		5.53162
71 Fluoranthene	+++++	1.21899	1.24741	1.23454	1.43299	1.37494					
	1.42373	1.38312	1.44285				AVRG		1.34482		7.08063
72 Benzidine	1279	2689	9180	11235	37452	93351					
	+++++	+++++	+++++				LINR	0.08038	0.08297		0.98783
73 Pyrene	+++++	1.27413	1.31572	1.30161	1.50064	1.45077					
	1.49698	1.43984	1.52477				AVRG		1.41306		7.10355
75 Butylbenzylphthalate	+++++	0.39802	0.41235	0.41302	0.46780	0.44053					
	0.42512	0.41127	0.44877				AVRG		0.42711		5.47092
76 Benzo(a)anthracene	+++++	0.95354	0.95327	0.99274	1.11465	1.07407					
	1.04747	1.01116	1.08132				AVRG		1.02853		5.86890

Pace Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
77 3,3'-Dichlorobenzidine	+++++	0.29845	0.30719	0.29158	0.30771	0.29049					
	0.31162	0.29500	0.31898				AVRG		0.30263		3.39719
79 Chrysene	+++++	0.98169	0.94203	0.95517	1.04259	1.02372					
	0.98498	0.94696	1.02594				AVRG		0.98788		3.94278
80 bis(2-Ethylhexyl)phthalate	0.76430	0.52563	0.57441	0.57845	0.65944	0.63399					
	0.62191	0.59033	0.64210				AVRG		0.62117		10.89513
81 Di-n-octylphthalate	15303	50122	141026	239059	799786	1564688					
	2844120	3218036	+++++				LINR	0.02210	1.12447		0.99954
82 Benzo(b)fluoranthene	20006	64611	162987	263900	917706	1676435					
	3186322	3949216	+++++				LINR	0.05821	1.32550		0.99560
83 Benzo(k)fluoranthene	19747	63885	172487	296058	900740	2015110					
	3750221	3823438	+++++				LINR	0.03641	1.41103		0.99407
84 Benzo(a)pyrene	17037	54791	140704	241008	774516	1568540					
	2957748	3264263	+++++				LINR	0.03520	1.15116		0.99933

Pace Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
86 Indeno(1,2,3-cd)pyrene	+++++	60569	157655	271944	916839	1906343					
	+++++	+++++	+++++				LINR	0.07036	1.40860		0.99908
87 Dibenz(a,h)anthracene	+++++	52328	130364	225738	777072	1637674					
	+++++	+++++	+++++				LINR	0.07870	1.21197		0.99871
88 Benzo(g,h,i)perylene	+++++	55541	134520	230771	734111	1501810					
	+++++	+++++	+++++				LINR	0.04771	1.10107		0.99942
$ 3 2-Fluorophenol (S)	+++++	1.14955	1.10247	1.14170	1.23051	1.13594					
	1.12835	1.10585	1.17002				AVRG		1.14555		3.56411
$ 5 Phenol-d6 (S)	+++++	1.34931	1.41942	1.42829	1.53532	1.43895					
	1.46240	1.41237	1.48002				AVRG		1.44076		3.77754
$ 21 Nitrobenzene-d5 (S)	+++++	0.43575	0.41859	0.42165	0.45596	0.41775					
	0.40790	0.40071	0.42758				AVRG		0.42324		4.03690
$ 40 2-Fluorobiphenyl (S)	+++++	1.43687	1.40129	1.35848	1.54034	1.45549					
	1.42525	1.38601	1.53371				AVRG		1.44218		4.56494

Pace Analytical Services

INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Compound	1.0000 Level 1 / 150.0000 Level 7	5.0000 Level 2 / 175.0000 Level 8	10.0000 Level 3 / 200.0000 Level 9	20.0000 Level 4	50.0000 Level 5	100.0000 Level 6	Curve	Coefficients b	m1	m2	%RSD or R^2
$ 61 2,4,6-Tribromophenol (S)	1881	6472	15386	29500	92197	195038					
	360367	426602	484346				LINR	0.15676	0.20859		0.99215
$ 74 Terphenyl-d14 (S)	13164	43627	111590	189087	607779	1232286					
	2168055	2470922	2635838				LINR	0.06467	1.16678		0.99905

KS 4/17/09

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INITIAL CALIBRATION DATA

Start Cal Date : 08-APR-2009 10:54
End Cal Date : 08-APR-2009 13:36
Quant Method : ISTD
Target Version : 4.14
Integrator : HP RTE
Method file : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Last Edit : 16-Apr-2009 12:19 50MSS2.i

Curve	Formula	Units
Averaged	Amt = Rsp/m1	Response
Linear	Amt = b + Rsp/m1	Response
Quad	Amt = b + m1*Rsp + m2*Rsp^2	Response

Pace Analytical Services

Data file : \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D
Lab Smp Id: h059L
Client Smp ID: DFTPP
Inj Date : 08-APR-2009 10:34
Operator : KES
Inst ID: 50MSS2.i
Smp Info : h059L
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\dftpp.m
Meth Date : 01-Apr-2009 15:59 ksullivan
Quant Type: ISTD
Cal Date :
Cal File:
Als bottle: 2
QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 4.14
Sample Matrix: WATER
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.280	10.100	(0.000)	198	55895			0.00- 100.00	100.00
10.280	10.100	(0.000)	51	23145			30.00- 60.00	41.41
10.280	10.100	(0.000)	68	260			0.00- 2.00	0.99
10.280	10.100	(0.000)	69	26288			0.00- 0.00	47.03
10.280	10.100	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
10.280	10.100	(0.000)	127	29529			40.00- 60.00	52.83
10.280	10.100	(0.000)	197	229			0.00- 1.00	0.41
10.280	10.100	(0.000)	199	3964			5.00- 9.00	7.09
10.280	10.100	(0.000)	275	16209			10.00- 30.00	29.00
10.280	10.100	(0.000)	365	2786			1.00- 0.00	4.98
10.280	10.100	(0.000)	441	4871			0.01- 99.99	75.46
10.280	10.100	(0.000)	442	32899			40.00- 0.00	58.86
10.280	10.100	(0.000)	443	6455			17.00- 23.00	19.62

Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

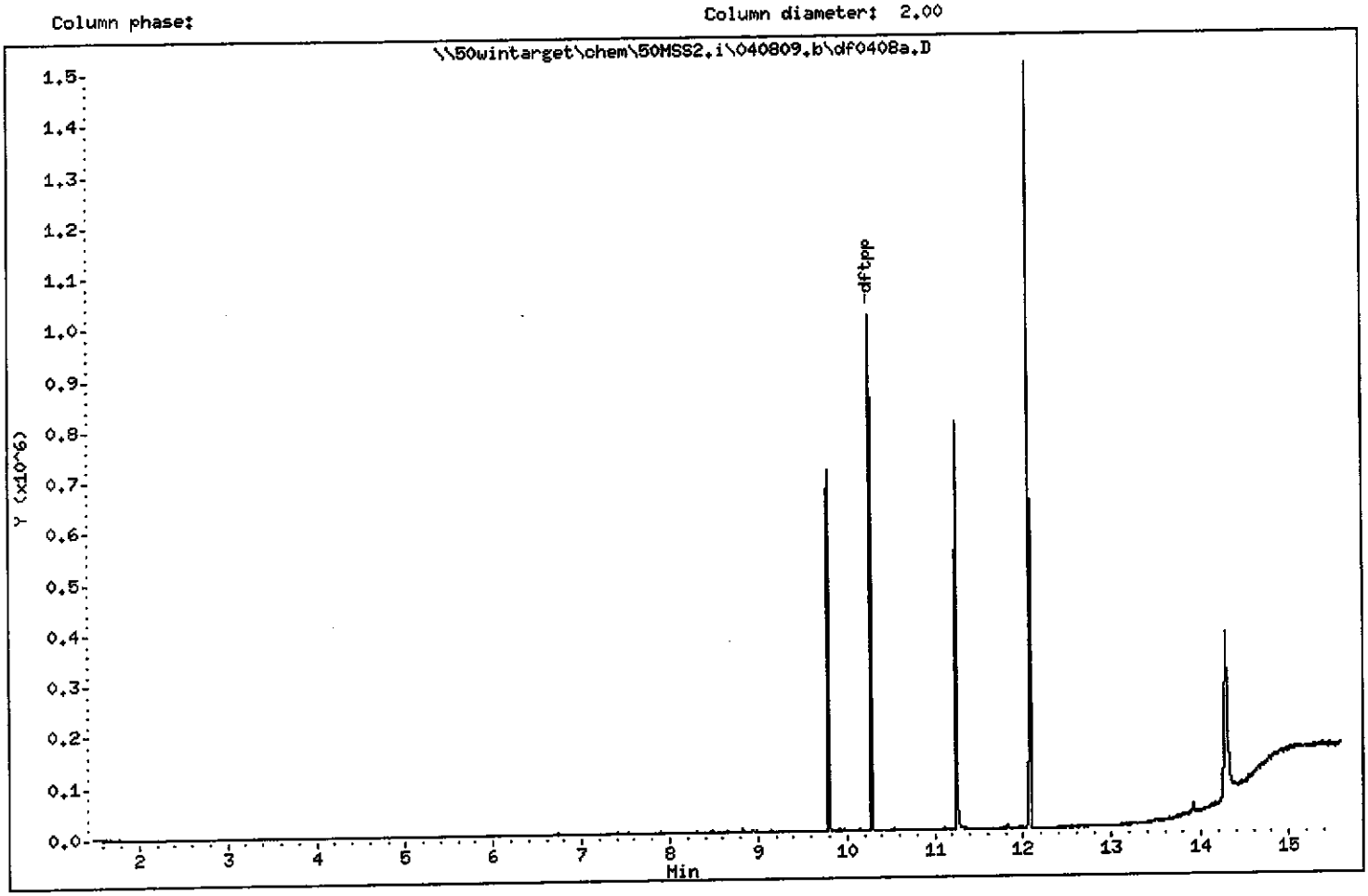
Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

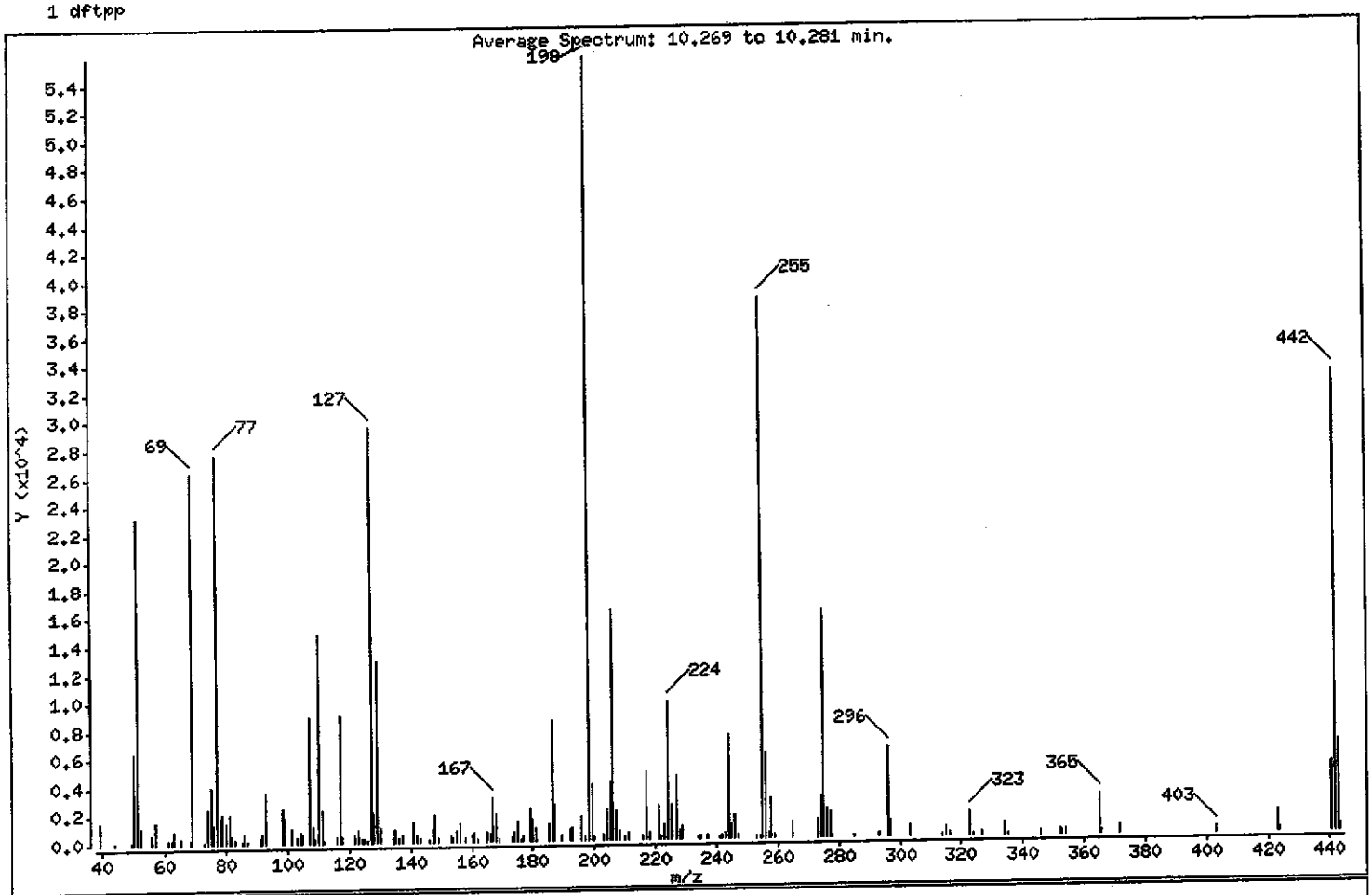
Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.41
68	Less than 2.00% of mass 69	0.47 (0.99)
69	Mass 69 relative abundance	47.03
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	52.83
197	Less than 1.00% of mass 198	0.41
199	5.00 - 9.00% of mass 198	7.09
275	10.00 - 30.00% of mass 198	29.00
365	Greater than 1.00% of mass 198	4.98
441	Present, but less than mass 443	8.71
442	Greater than 40.00% of mass 198	58.86
443	17.00 - 23.00% of mass 442	11.55 (19.62)

Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Operator: KES

Volume Injected (uL): 1.0

Column phase:

Column diameter: 2.00

Data File: df0408a.D

Spectrum: Average Spectrum: 10.269 to 10.281 min.

Location of Maximum: 198.00

Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1601	116.00	350	181.00	860	255.00	38544
44.00	178	117.00	8949	185.00	1141	256.00	6028
49.00	175	118.00	374	186.00	8446	257.00	378
50.00	6420	122.00	561	187.00	2559	258.00	2839
51.00	23144	123.00	948	189.00	383	259.00	279
52.00	1118	124.00	264	192.00	730	265.00	1169
56.00	639	125.00	236	193.00	893	273.00	1253
57.00	1483	126.00	168	196.00	1712	274.00	2996
61.00	202	127.00	29528	197.00	229	275.00	16209
62.00	234	128.00	2028	198.00	55888	276.00	2080
63.00	858	129.00	12836	199.00	3964	277.00	1764
65.00	432	130.00	1010	200.00	267	278.00	176
68.00	260	134.00	305	203.00	336	285.00	181
69.00	26288	135.00	940	204.00	2211	293.00	291
73.00	171	136.00	245	205.00	4080	296.00	6347
74.00	2504	137.00	495	206.00	16259	297.00	1166
75.00	3975	141.00	1467	207.00	2107	303.00	752
76.00	1294	142.00	509	208.00	589	314.00	177
77.00	27600	143.00	255	210.00	211	315.00	673
78.00	1804	146.00	186	211.00	547	316.00	264
79.00	2049	147.00	857	216.00	277	323.00	1666
80.00	1406	148.00	1937	217.00	4722	324.00	187
81.00	2009	149.00	280	218.00	504	327.00	280
82.00	494	153.00	353	221.00	2504	334.00	929
83.00	256	154.00	212	222.00	212	335.00	184
85.00	186	155.00	775	223.00	964	346.00	261
86.00	586	156.00	1313	224.00	9782	352.00	405
87.00	173	158.00	239	225.00	2402	353.00	234
91.00	440	160.00	543	227.00	4439	354.00	372
92.00	580	161.00	666	228.00	679	365.00	2786
93.00	3548	162.00	172	229.00	924	366.00	299
98.00	2484	165.00	593	234.00	168	372.00	633
99.00	1812	166.00	477	235.00	196	403.00	357
101.00	1004	167.00	3132	237.00	220	423.00	1558
103.00	364	168.00	1932	241.00	177	424.00	276

Data File: \\50wintarget\chem\50MSS2.i\040809.b\df0408a.D

Date : 08-APR-2009 10:34

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0408a.D
Spectrum: Average Spectrum: 10.269 to 10.281 min.
Location of Maximum: 198.00
Number of points: 168

m/z	Y	m/z	Y	m/z	Y	m/z	Y
104.00	789	169.00	188	242.00	291	441.00	4871
105.00	692	173.00	258	243.00	373	442.00	32896
107.00	8918	174.00	646	244.00	7288	443.00	6455
108.00	1151	175.00	1417	245.00	1012	444.00	465
109.00	256	176.00	176	246.00	1627		
110.00	14811	177.00	339	247.00	254		
111.00	2275	179.00	2262	253.00	170		
112.00	166	180.00	1541	254.00	166		

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\1ppm.D
Lab Smp Id: h061a
Inj Date : 08-APR-2009 10:54
Operator : KES Inst ID: 50MSS2.i
Smp Info : 1ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	3145	1.00000	1.58(H)
	2 Pyridine	79	1.957	1.927	(0.364)	3458	1.00000	1.02(M)
$	3 2-Fluorophenol (S)	112	3.933	3.927	(0.731)	4440	1.00000	1.41
	4 Benzaldehyde	77	4.910	4.910	(0.913)	1272	1.00000	1.27(M)
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	5966	1.00000	1.50
	6 Phenol	94	5.098	5.098	(0.948)	6175	1.00000	1.51
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	4711	1.00000	1.50
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	4770	1.00000	1.35
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	6255	1.00000	1.52
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	110148	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	6245	1.00000	1.47
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	2311	1.00000	1.16
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	5553	1.00000	1.40
	14 2-Methylphenol	108	5.727	5.721	(1.064)	4579	1.00000	1.42
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	6962	1.00000	1.65
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	6962	1.00000	1.65
	17 Acetophenone	105	5.845	5.845	(1.086)	7206	1.00000	1.41
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	4730	1.00000	1.40
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	3869	1.00000	1.40(M)
	20 Hexachloroethane	117	5.915	5.915	(1.099)	2552	1.00000	1.47
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	6265	1.00000	1.50
	22 Nitrobenzene	77	6.021	6.021	(0.898)	6329	1.00000	1.55
	23 Isophorone	82	6.262	6.257	(0.934)	10647	1.00000	1.52

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	2521	1.00000	1.30
	25 2,4-Dimethylphenol	122	6.409	6.409	(0.956)	4465	1.00000	1.49
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	5801	1.00000	1.48 (M)
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	4182	1.00000	1.37
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	5577	1.00000	1.49
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	393565	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	15173	1.00000	1.52
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	3998	1.00000	0.994
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	4268	1.00000	1.58
	34 Caprolactam	113	7.186	7.162	(1.072)	846	1.00000	2.56 (M)
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	3950	1.00000	1.28
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	10954	1.00000	1.50
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	3633	1.00000	1.15
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	3285	1.00000	1.34
	39 2,4,5-Trichlorophenol	196	7.774	7.780	(0.918)	3465	1.00000	1.27
$	40 2-Fluorobiphenyl (S)	172	7.804	7.803	(0.922)	12607	1.00000	1.50
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	12971	1.00000	1.48
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	10385	1.00000	1.46
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	3046	1.00000	1.38
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	11804	1.00000	1.45 (M)
	45 Acenaphthylene	152	8.315	8.315	(0.982)	15554	1.00000	1.44
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	2172	1.00000	1.19
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	233771	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	2511	1.00000	1.34 (M)
	49 Acenaphthene	153	8.498	8.498	(1.003)	9796	1.00000	1.44
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	1336	1.00000	1.49 (M)
	52 Dibenzofuran	168	8.651	8.650	(1.022)	15104	1.00000	1.48
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	2545	1.00000	1.04
	54 Diethylphthalate	149	8.945	8.945	(1.056)	13807	1.00000	1.63
	55 Fluorene	166	8.992	8.992	(1.062)	11924	1.00000	1.41
	56 4-Chlorophenyl-phenylether	204	8.992	8.992	(1.062)	6367	1.00000	1.39
	57 4-Nitroaniline	138	9.062	9.062	(1.070)	2132	1.00000	2.98
	58 4,6-Dinitro-2-methylphenol	198	9.103	9.103	(0.919)	788	1.00000	4.58 (M)
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	7799	1.00000	1.41
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	13401	1.00000	1.52
$	61 2,4,6-Tribromophenol (S)	330	9.250	9.250	(0.934)	1881	1.00000	7.13
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	3921	1.00000	1.29
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	4776	1.00000	5.01
	64 Atrazine	200	9.680	9.680	(0.977)	2490	1.00000	1.39
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	764	1.00000	7.52 (M)
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	419337	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	17118	1.00000	1.43
	68 Anthracene	178	9.968	9.968	(1.007)	17199	1.00000	1.38
	69 Carbazole	167	10.139	10.139	(1.024)	15334	1.00000	1.37
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	17898	1.00000	1.29
	71 Fluoranthene	202	11.097	11.097	(1.121)	18606	1.00000	1.32
	72 Benzidine	184	11.244	11.244	(1.135)	1279	1.00000	4.68 (M)
	73 Pyrene	202	11.315	11.315	(1.143)	19485	1.00000	1.32
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	13164	1.00000	3.66
	75 Butylbenzylphthalate	149	11.997	11.997	(0.959)	7687	1.00000	1.41
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	19659	1.00000	1.49
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	5653	1.00000	1.46
*	78 Chrysene-d12	240	12.515	12.515	(1.000)	511789	40.0000	
	79 Chrysene	228	12.539	12.538	(1.002)	18545	1.00000	1.47

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	9779	1.00000	1.23(M)
81 Di-n-octylphthalate	149	13.138	13.138	(0.950)	15303	1.00000	2.00
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	20006	1.00000	3.56
83 Benzo(k)fluoranthene	252	13.515	13.515	(0.977)	19747	1.00000	2.60(H)
84 Benzo(a)pyrene	252	13.774	13.780	(0.996)	17037	1.00000	2.62
* 85 Perylene-d12	264	13.827	13.827	(1.000)	489292	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	18939	1.00000	3.91
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	16007	1.00000	4.23
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	17326	1.00000	3.19

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 1ppm.D
Lab Smp Id: h061a
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	110148	2.45
30 Naphthalene-d8	397045	198523	794090	393565	-0.88
47 Acenaphthene-d10	249088	124544	498176	233771	-6.15
66 Phenanthrene-d10	451720	225860	903440	419337	-7.17
78 Chrysene-d12	618598	309299	1237196	511789	-17.27
85 Perylene-d12	555611	277806	1111222	489292	-11.94

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061a
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	1.58	
110-86-1	Pyridine	1.02	
100-52-7	Benzaldehyde	1.27	
108-95-2	Phenol	1.51	
111-44-4	bis(2-Chloroethyl)ether	1.50	
95-57-8	2-Chlorophenol	1.35	
541-73-1	1,3-Dichlorobenzene	1.52	
106-46-7	1,4-Dichlorobenzene	1.47	
100-51-6	Benzyl Alcohol	1.16	
95-50-1	1,2-Dichlorobenzene	1.40	
95-48-7	2-Methylphenol	1.42	
39638-32-9	bis(2-Chloroisopropyl)ether	1.65	
108-60-1	2,2'-Oxybis(1-chloropropane)	1.65	
98-86-2	Acetophenone	1.41	
	3&4-Methylphenol	1.40	
621-64-7	N-Nitroso-di-n-propylamine	1.40	
67-72-1	Hexachloroethane	1.47	
98-95-3	Nitrobenzene	1.55	
78-59-1	Isophorone	1.52	
88-75-5	2-Nitrophenol	1.30	
105-67-9	2,4-Dimethylphenol	1.49	
111-91-1	bis(2-Chloroethoxy)methane	1.48	
120-83-2	2,4-Dichlorophenol	1.37	
120-82-1	1,2,4-Trichlorobenzene	1.49	
91-20-3	Naphthalene	1.52	
106-47-8	4-Chloroaniline	0.994	
87-68-3	Hexachlorobutadiene	1.58	
10-60-2	Caprolactam	2.56	
59-50-7	4-Chloro-3-methylphenol	1.28	
91-57-6	2-Methylnaphthalene	1.50	
77-47-4	Hexachlorocyclopentadiene	1.15	
88-06-2	2,4,6-Trichlorophenol	1.34	
95-95-4	2,4,5-Trichlorophenol	1.27	
92-52-4	Biphenyl (Diphenyl)	1.48	
91-58-7	2-Chloronaphthalene	1.46	
88-74-4	2-Nitroaniline	1.38	
131-11-3	Dimethylphthalate	1.45	
208-96-8	Acenaphthylene	1.44	
606-20-2	2,6-Dinitrotoluene	1.19	
99-09-2	3-Nitroaniline	1.34	
83-32-9	Acenaphthene	1.44	
100-02-7	4-Nitrophenol	1.49	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061a
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

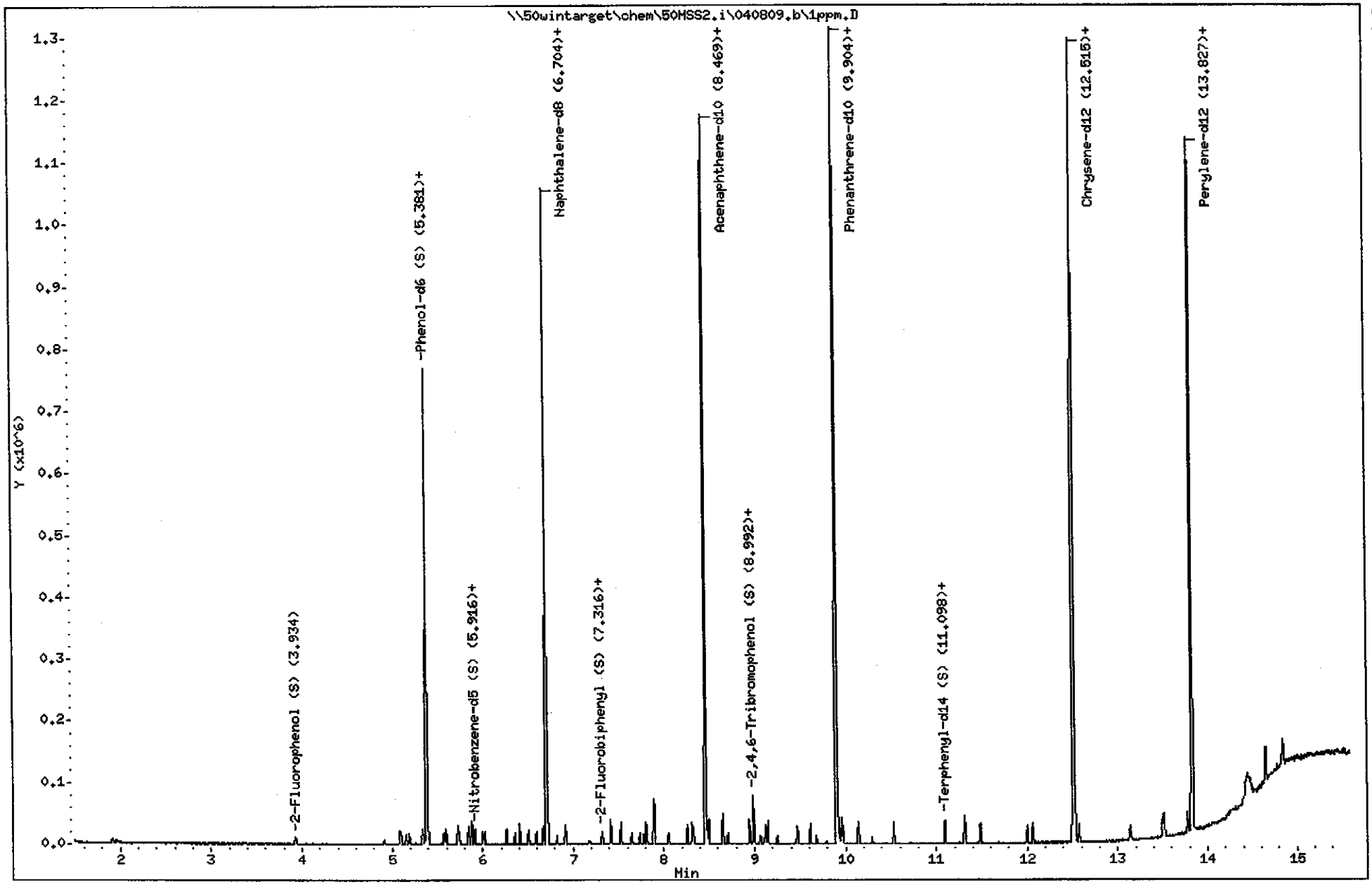
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
132-64-9	Dibenzofuran	1.48	
121-14-2	2,4-Dinitrotoluene	1.04	
84-66-2	Diethylphthalate	1.63	
86-73-7	Fluorene	1.41	
7005-72-3	4-Chlorophenyl-phenylether	1.39	
100-01-6	4-Nitroaniline	2.98	
534-52-1	4,6-Dinitro-2-methylphenol	4.58	
86-30-6	N-Nitrosodiphenylamine	1.41	
122-66-7	1,2-Diphenylhydrazine	1.52	
101-55-3	4-Bromophenyl-phenylether	1.29	
118-74-1	Hexachlorobenzene	5.01	
1912-24-9	Atrazine	1.39	
87-86-5	Pentachlorophenol	7.52	
85-01-8	Phenanthrene	1.43	
120-12-7	Anthracene	1.38	
86-74-8	Carbazole	1.37	
84-74-2	Di-n-butylphthalate	1.29	
206-44-0	Fluoranthene	1.32	
92-87-5	Benzidine	4.68	
129-00-0	Pyrene	1.32	
85-68-7	Butylbenzylphthalate	1.41	
56-55-3	Benzo(a)anthracene	1.49	
91-94-1	3,3'-Dichlorobenzidine	1.46	
218-01-9	Chrysene	1.47	
117-81-7	bis(2-Ethylhexyl)phthalate	1.23	
117-84-0	Di-n-octylphthalate	2.00	
205-99-2	Benzo(b)fluoranthene	3.56	
207-08-9	Benzo(k)fluoranthene	2.60	
50-32-8	Benzo(a)pyrene	2.62	
193-39-5	Indeno(1,2,3-cd)pyrene	3.91	
53-70-3	Dibenz(a,h)anthracene	4.23	
191-24-2	Benzo(g,h,i)perylene	3.19	
367-12-4	2-Fluorophenol (S)	1.41	
13127-88-3	Phenol-d6 (S)	1.50	
4165-60-0	Nitrobenzene-d5 (S)	1.50	
321-60-8	2-Fluorobiphenyl (S)	1.50	
	2,4,6-Tribromophenol (S)	7.13	
98904-43-9	Terphenyl-d14 (S)	3.66	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\1ppm.D
Date : 08-APR-2009 10:54
Client ID:
Sample Info: 1ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i

Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\5ppm.D
Lab Smp Id: h061b
Inj Date : 08-APR-2009 11:15
Operator : KES Inst ID: 50MSS2.i
Smp Info : 5ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	9786	5.00000	4.94(H)
	2 Pyridine	79	1.927	1.927	(0.358)	16029	5.00000	4.72
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	15808	5.00000	5.02
	4 Benzaldehyde	77	4.910	4.910	(0.913)	4484	5.00000	4.49(M)
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	18555	5.00000	4.68
	6 Phenol	94	5.098	5.098	(0.948)	20369	5.00000	4.99
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	15335	5.00000	4.88
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	17324	5.00000	4.91
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	20025	5.00000	4.87
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	110012	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	20244	5.00000	4.76
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	8065	5.00000	4.05
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	19151	5.00000	4.83
	14 2-Methylphenol	108	5.721	5.721	(1.063)	15285	5.00000	4.74
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	22675	5.00000	5.38
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	22675	5.00000	5.38
	17 Acetophenone	105	5.845	5.845	(1.086)	25140	5.00000	4.92
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	15591	5.00000	4.63
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	13914	5.00000	5.03
	20 Hexachloroethane	117	5.915	5.915	(1.099)	8440	5.00000	4.86
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	20690	5.00000	5.15
	22 Nitrobenzene	77	6.021	6.021	(0.898)	20471	5.00000	5.18
	23 Isophorone	82	6.257	6.257	(0.933)	33190	5.00000	4.91

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	8700	5.00000	4.64
	25 2,4-Dimethylphenol	122	6.409	6.409	(0.956)	13789	5.00000	4.78
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	19654	5.00000	5.20
	27 Benzoic Acid	122	6.486	6.486	(0.968)	656	5.00000	9.25(M)
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	13496	5.00000	4.58
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	17472	5.00000	4.84
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	379851	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	47374	5.00000	4.93
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	17595	5.00000	4.53
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	12885	5.00000	4.94
	34 Caprolactam	113	7.162	7.162	(1.068)	3298	5.00000	4.84
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	13581	5.00000	4.56
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	34727	5.00000	4.92
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	13119	5.00000	4.31
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	11134	5.00000	4.71
	39 2,4,5-Trichlorophenol	196	7.780	7.780	(0.919)	11885	5.00000	4.53
$	40 2-Fluorobiphenyl (S)	172	7.803	7.803	(0.922)	40339	5.00000	4.98
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	41499	5.00000	4.91
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	33704	5.00000	4.92
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	10354	5.00000	4.88
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	38117	5.00000	4.86(M)
	45 Acenaphthylene	152	8.315	8.315	(0.982)	49297	5.00000	4.76
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	7773	5.00000	4.44
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	224594	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	8126	5.00000	4.52(M)
	49 Acenaphthene	153	8.498	8.498	(1.003)	31051	5.00000	4.76
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	893	5.00000	8.74(M)
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	5508	5.00000	4.36(M)
	52 Dibenzofuran	168	8.650	8.650	(1.022)	46562	5.00000	4.76
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	9906	5.00000	4.20
	54 Diethylphthalate	149	8.945	8.945	(1.056)	40060	5.00000	4.93
	55 Fluorene	166	8.992	8.992	(1.062)	38403	5.00000	4.73
	56 4-Chlorophenyl-phenylether	204	8.992	8.992	(1.062)	19934	5.00000	4.53
	57 4-Nitroaniline	138	9.062	9.062	(1.070)	7041	5.00000	5.56
	58 4,6-Dinitro-2-methylphenol	198	9.103	9.103	(0.919)	4368	5.00000	6.54
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	23738	5.00000	4.54
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	42648	5.00000	5.14
$	61 2,4,6-Tribromophenol (S)	330	9.250	9.250	(0.934)	6472	5.00000	9.41
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	13025	5.00000	4.54
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	15187	5.00000	7.61
	64 Atrazine	200	9.680	9.680	(0.977)	7701	5.00000	4.56
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	5024	5.00000	9.32
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	395796	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	53548	5.00000	4.75
	68 Anthracene	178	9.968	9.968	(1.007)	54545	5.00000	4.65
	69 Carbazole	167	10.139	10.139	(1.024)	49327	5.00000	4.66
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	59611	5.00000	4.57
	71 Fluoranthene	202	11.097	11.097	(1.121)	60309	5.00000	4.53
	72 Benzidine	184	11.244	11.244	(1.135)	2689	5.00000	6.49(M)
	73 Pyrene	202	11.315	11.315	(1.143)	63037	5.00000	4.51
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	43627	5.00000	6.36
	75 Butylbenzylphthalate	149	11.997	11.997	(0.959)	24196	5.00000	4.66
	76 Benzo(a)anthracene	228	12.491	12.491	(0.998)	57967	5.00000	4.64
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	18143	5.00000	4.93

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	486331	40.0000	
79 Chrysene	228	12.538	12.538	(1.002)	59678	5.00000	4.97
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	31954	5.00000	4.23
81 Di-n-octylphthalate	149	13.138	13.138	(0.950)	50122	5.00000	4.68
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	64611	5.00000	6.48
83 Benzo(k)fluoranthene	252	13.515	13.515	(0.977)	63885	5.00000	5.31(MH)
84 Benzo(a)pyrene	252	13.780	13.780	(0.997)	54791	5.00000	5.46
* 85 Perylene-d12	264	13.827	13.827	(1.000)	469445	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	60569	5.00000	6.48
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	52328	5.00000	6.83
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	55541	5.00000	6.21

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5ppm.D
Lab Smp Id: h061b
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	110012	2.32
30 Naphthalene-d8	397045	198523	794090	379851	-4.33
47 Acenaphthene-d10	249088	124544	498176	224594	-9.83
66 Phenanthrene-d10	451720	225860	903440	395796	-12.38
78 Chrysene-d12	618598	309299	1237196	486331	-21.38
85 Perylene-d12	555611	277806	1111222	469445	-15.51

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061b
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	4.94	
110-86-1	Pyridine	4.72	
100-52-7	Benzaldehyde	4.49	
108-95-2	Phenol	4.99	
111-44-4	bis(2-Chloroethyl)ether	4.88	
95-57-8	2-Chlorophenol	4.91	
541-73-1	1,3-Dichlorobenzene	4.87	
106-46-7	1,4-Dichlorobenzene	4.76	
100-51-6	Benzyl Alcohol	4.05	
95-50-1	1,2-Dichlorobenzene	4.83	
95-48-7	2-Methylphenol	4.74	
39638-32-9	bis(2-Chloroisopropyl)ether	5.38	
108-60-1	2,2'-Oxybis(1-chloropropane)	5.38	
98-86-2	Acetophenone	4.92	
	3&4-Methylphenol	4.63	
621-64-7	N-Nitroso-di-n-propylamine	5.03	
67-72-1	Hexachloroethane	4.86	
98-95-3	Nitrobenzene	5.18	
78-59-1	Isophorone	4.91	
88-75-5	2-Nitrophenol	4.64	
105-67-9	2,4-Dimethylphenol	4.78	
111-91-1	bis(2-Chloroethoxy)methane	5.20	
65-85-0	Benzoic Acid	9.25	
120-83-2	2,4-Dichlorophenol	4.58	
120-82-1	1,2,4-Trichlorobenzene	4.84	
91-20-3	Naphthalene	4.93	
106-47-8	4-Chloroaniline	4.53	
87-68-3	Hexachlorobutadiene	4.94	
10-60-2	Caprolactam	4.84	
59-50-7	4-Chloro-3-methylphenol	4.56	
91-57-6	2-Methylnaphthalene	4.92	
77-47-4	Hexachlorocyclopentadiene	4.31	
88-06-2	2,4,6-Trichlorophenol	4.71	
95-95-4	2,4,5-Trichlorophenol	4.53	
92-52-4	Biphenyl (Diphenyl)	4.91	
91-58-7	2-Chloronaphthalene	4.92	
88-74-4	2-Nitroaniline	4.88	
131-11-3	Dimethylphthalate	4.86	
208-96-8	Acenaphthylene	4.76	
606-20-2	2,6-Dinitrotoluene	4.44	
99-09-2	3-Nitroaniline	4.52	
83-32-9	Acenaphthene	4.76	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061b
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

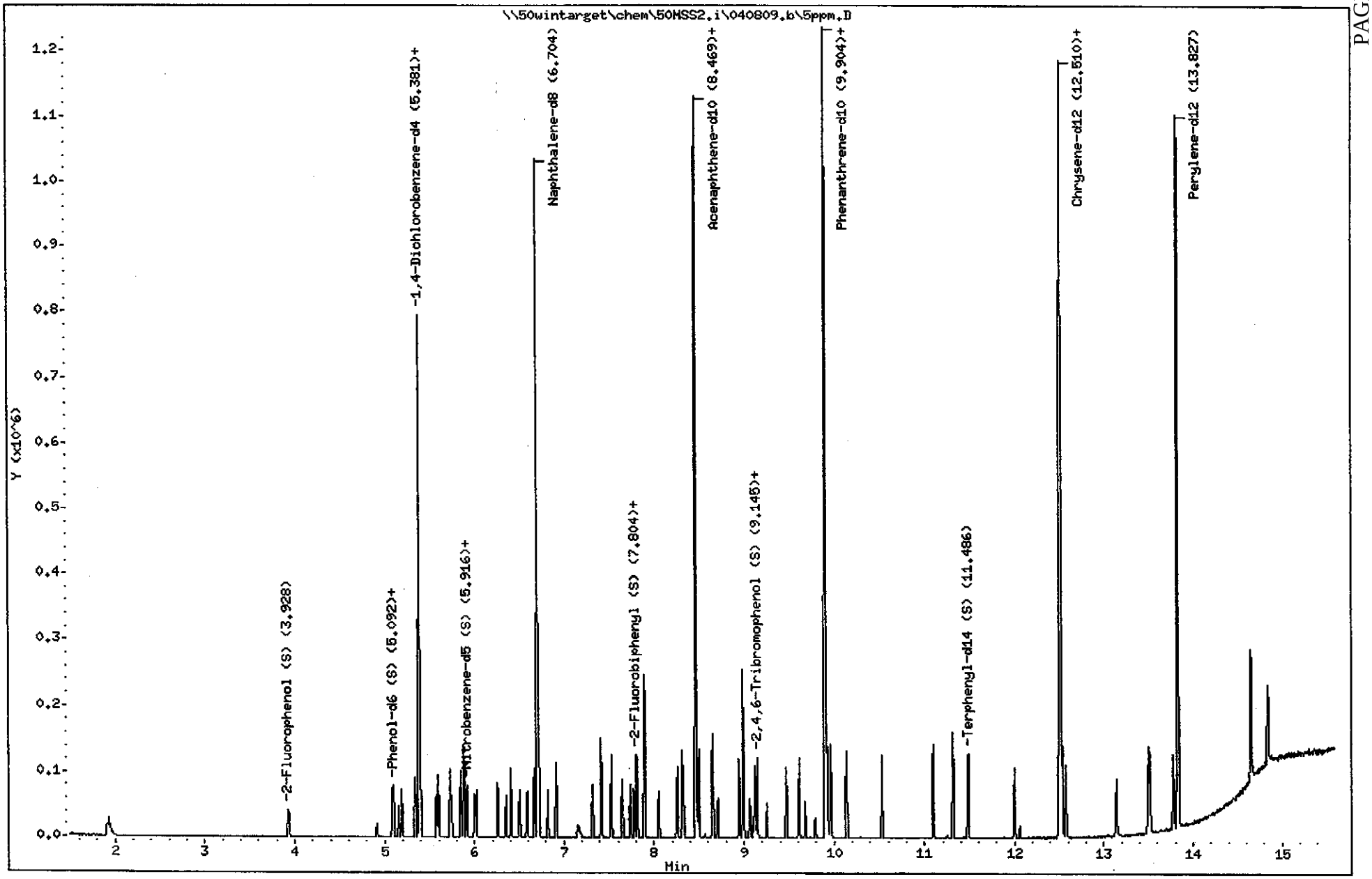
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	8.74	
100-02-7	4-Nitrophenol	4.36	
132-64-9	Dibenzofuran	4.76	
121-14-2	2,4-Dinitrotoluene	4.20	
84-66-2	Diethylphthalate	4.93	
86-73-7	Fluorene	4.73	
7005-72-3	4-Chlorophenyl-phenylether	4.53	
100-01-6	4-Nitroaniline	5.56	
534-52-1	4,6-Dinitro-2-methylphenol	6.54	
86-30-6	N-Nitrosodiphenylamine	4.54	
122-66-7	1,2-Diphenylhydrazine	5.14	
101-55-3	4-Bromophenyl-phenylether	4.54	
118-74-1	Hexachlorobenzene	7.61	
1912-24-9	Atrazine	4.56	
87-86-5	Pentachlorophenol	9.32	
85-01-8	Phenanthrene	4.75	
120-12-7	Anthracene	4.65	
86-74-8	Carbazole	4.66	
84-74-2	Di-n-butylphthalate	4.57	
206-44-0	Fluoranthene	4.53	
92-87-5	Benzidine	6.49	
129-00-0	Pyrene	4.51	
85-68-7	Butylbenzylphthalate	4.66	
56-55-3	Benzo(a)anthracene	4.64	
91-94-1	3,3'-Dichlorobenzidine	4.93	
218-01-9	Chrysene	4.97	
117-81-7	bis(2-Ethylhexyl)phthalate	4.23	
117-84-0	Di-n-octylphthalate	4.68	
205-99-2	Benzo(b)fluoranthene	6.48	
207-08-9	Benzo(k)fluoranthene	5.31	
50-32-8	Benzo(a)pyrene	5.46	
193-39-5	Indeno(1,2,3-cd)pyrene	6.48	
53-70-3	Dibenz(a,h)anthracene	6.83	
191-24-2	Benzo(g,h,i)perylene	6.21	
367-12-4	2-Fluorophenol (S)	5.02	
13127-88-3	Phenol-d6 (S)	4.68	
4165-60-0	Nitrobenzene-d5 (S)	5.15	
321-60-8	2-Fluorobiphenyl (S)	4.98	
	2,4,6-Tribromophenol (S)	9.41	
98904-43-9	Terphenyl-d14 (S)	6.36	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\5ppm.D
Date : 08-APR-2009 11:15
Client ID:
Sample Info: 5ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\10ppm.D
Lab Smp Id: h061c
Inj Date : 08-APR-2009 11:35
Operator : KES Inst ID: 50MSS2.i
Smp Info : 10ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	20566	10.0000	10.18(H)
	2 Pyridine	79	1.922	1.927	(0.357)	32872	10.0000	9.50
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	30905	10.0000	9.62
	4 Benzaldehyde	77	4.910	4.910	(0.913)	9870	10.0000	9.70(M)
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	39790	10.0000	9.85
	6 Phenol	94	5.098	5.098	(0.948)	41095	10.0000	9.87
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	32088	10.0000	10.02
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	34545	10.0000	9.61
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	40145	10.0000	9.58
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	112130	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	42011	10.0000	9.70
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	18917	10.0000	9.33
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	39326	10.0000	9.73
	14 2-Methylphenol	108	5.721	5.721	(1.063)	32413	10.0000	9.86
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	46336	10.0000	10.78
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	46336	10.0000	10.78
	17 Acetophenone	105	5.845	5.845	(1.086)	51816	10.0000	9.96
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	33330	10.0000	9.72
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	29168	10.0000	10.34
	20 Hexachloroethane	117	5.916	5.915	(1.099)	17338	10.0000	9.80
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	43650	10.0000	9.89
	22 Nitrobenzene	77	6.021	6.021	(0.898)	44236	10.0000	10.20
	23 Isophorone	82	6.257	6.257	(0.933)	74953	10.0000	10.10

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	19444	10.0000	9.44
	25 2,4-Dimethylphenol	122	6.410	6.409	(0.956)	30953	10.0000	9.77
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	41880	10.0000	10.09
	27 Benzoic Acid	122	6.498	6.486	(0.969)	4817	10.0000	11.56
	28 2,4-Dichlorophenol	162	6.586	6.592	(0.982)	29996	10.0000	9.27
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	38521	10.0000	9.71
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	417118	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	102489	10.0000	9.72
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	41455	10.0000	9.72
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	26655	10.0000	9.31
	34 Caprolactam	113	7.151	7.162	(1.067)	10012	10.0000	10.19
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	31607	10.0000	9.66
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	75205	10.0000	9.71
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	30745	10.0000	8.80
	38 2,4,6-Trichlorophenol	196	7.733	7.739	(0.913)	25421	10.0000	9.36
	39 2,4,5-Trichlorophenol	196	7.774	7.780	(0.918)	28232	10.0000	9.37
$	40 2-Fluorobiphenyl (S)	172	7.804	7.803	(0.922)	90425	10.0000	9.72
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	94123	10.0000	9.69
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	76831	10.0000	9.77
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	24474	10.0000	10.03
	44 Dimethylphthalate	163	8.257	8.256	(0.975)	88120	10.0000	9.78(M)
	45 Acenaphthylene	152	8.315	8.315	(0.982)	115848	10.0000	9.74
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	19275	10.0000	9.59
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	258119	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	19093	10.0000	9.24(M)
	49 Acenaphthene	153	8.498	8.498	(1.003)	73382	10.0000	9.78
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	6085	10.0000	11.89(M)
	51 4-Nitrophenol	109	8.639	8.645	(1.020)	15506	10.0000	9.77
	52 Dibenzofuran	168	8.651	8.650	(1.022)	110560	10.0000	9.84
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	26036	10.0000	9.62
	54 Diethylphthalate	149	8.945	8.945	(1.056)	92967	10.0000	9.95
	55 Fluorene	166	8.992	8.992	(1.062)	90689	10.0000	9.72
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	47648	10.0000	9.42
	57 4-Nitroaniline	138	9.062	9.062	(1.070)	19513	10.0000	10.70
	58 4,6-Dinitro-2-methylphenol	198	9.098	9.103	(0.919)	13842	10.0000	10.36
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	60038	10.0000	9.47
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	101103	10.0000	10.04
$	61 2,4,6-Tribromophenol (S)	330	9.251	9.250	(0.934)	15386	10.0000	12.42
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	30883	10.0000	8.89
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	36917	10.0000	11.33
	64 Atrazine	200	9.680	9.680	(0.977)	18677	10.0000	9.12
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	15365	10.0000	12.51
*	66 Phenanthrene-d10	188	9.904	9.903	(1.000)	479869	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	128797	10.0000	9.42
	68 Anthracene	178	9.968	9.968	(1.007)	134802	10.0000	9.47
	69 Carbazole	167	10.139	10.139	(1.024)	119917	10.0000	9.36
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	151815	10.0000	9.60
	71 Fluoranthene	202	11.098	11.097	(1.121)	149648	10.0000	9.28
	72 Benzidine	184	11.245	11.244	(1.135)	9180	10.0000	12.44
	73 Pyrene	202	11.315	11.315	(1.143)	157843	10.0000	9.31
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	111590	10.0000	10.56
	75 Butylbenzylphthalate	149	11.998	11.997	(0.959)	66356	10.0000	9.65
	76 Benzo(a)anthracene	228	12.492	12.491	(0.998)	153401	10.0000	9.27
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	49433	10.0000	10.15

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	643681	40.0000	
79 Chrysene	228	12.539	12.538	(1.002)	151592	10.0000	9.54
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	92435	10.0000	9.25
81 Di-n-octylphthalate	149	13.139	13.138	(0.950)	141026	10.0000	9.13
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	162987	10.0000	10.41
83 Benzo(k)fluoranthene	252	13.521	13.515	(0.978)	172487	10.0000	9.49(H)
84 Benzo(a)pyrene	252	13.780	13.780	(0.997)	140704	10.0000	9.44
* 85 Perylene-d12	264	13.827	13.827	(1.000)	608375	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	157655	10.0000	10.17
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	130364	10.0000	10.22
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	134520	10.0000	9.94

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 10ppm.D
Lab Smp Id: h061c
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	112130	4.29
30 Naphthalene-d8	397045	198523	794090	417118	5.06
47 Acenaphthene-d10	249088	124544	498176	258119	3.63
66 Phenanthrene-d10	451720	225860	903440	479869	6.23
78 Chrysene-d12	618598	309299	1237196	643681	4.05
85 Perylene-d12	555611	277806	1111222	608375	9.50

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061c
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	10.18	
110-86-1	Pyridine	9.50	
100-52-7	Benzaldehyde	9.70	
108-95-2	Phenol	9.87	
111-44-4	bis(2-Chloroethyl)ether	10.02	
95-57-8	2-Chlorophenol	9.61	
541-73-1	1,3-Dichlorobenzene	9.58	
106-46-7	1,4-Dichlorobenzene	9.70	
100-51-6	Benzyl Alcohol	9.33	
95-50-1	1,2-Dichlorobenzene	9.73	
95-48-7	2-Methylphenol	9.86	
39638-32-9	bis(2-Chloroisopropyl)ether	10.78	
108-60-1	2,2'-Oxybis(1-chloropropane)	10.78	
98-86-2	Acetophenone	9.96	
	3&4-Methylphenol	9.72	
621-64-7	N-Nitroso-di-n-propylamine	10.34	
67-72-1	Hexachloroethane	9.80	
98-95-3	Nitrobenzene	10.20	
78-59-1	Isophorone	10.10	
88-75-5	2-Nitrophenol	9.44	
105-67-9	2,4-Dimethylphenol	9.77	
111-91-1	bis(2-Chloroethoxy)methane	10.09	
65-85-0	Benzoic Acid	11.56	
120-83-2	2,4-Dichlorophenol	9.27	
120-82-1	1,2,4-Trichlorobenzene	9.71	
91-20-3	Naphthalene	9.72	
106-47-8	4-Chloroaniline	9.72	
87-68-3	Hexachlorobutadiene	9.31	
10-60-2	Caprolactam	10.19	
59-50-7	4-Chloro-3-methylphenol	9.66	
91-57-6	2-Methylnaphthalene	9.71	
77-47-4	Hexachlorocyclopentadiene	8.80	
88-06-2	2,4,6-Trichlorophenol	9.36	
95-95-4	2,4,5-Trichlorophenol	9.37	
92-52-4	Biphenyl (Diphenyl)	9.69	
91-58-7	2-Chloronaphthalene	9.77	
88-74-4	2-Nitroaniline	10.03	
131-11-3	Dimethylphthalate	9.78	
208-96-8	Acenaphthylene	9.74	
606-20-2	2,6-Dinitrotoluene	9.59	
99-09-2	3-Nitroaniline	9.24	
83-32-9	Acenaphthene	9.78	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061c
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

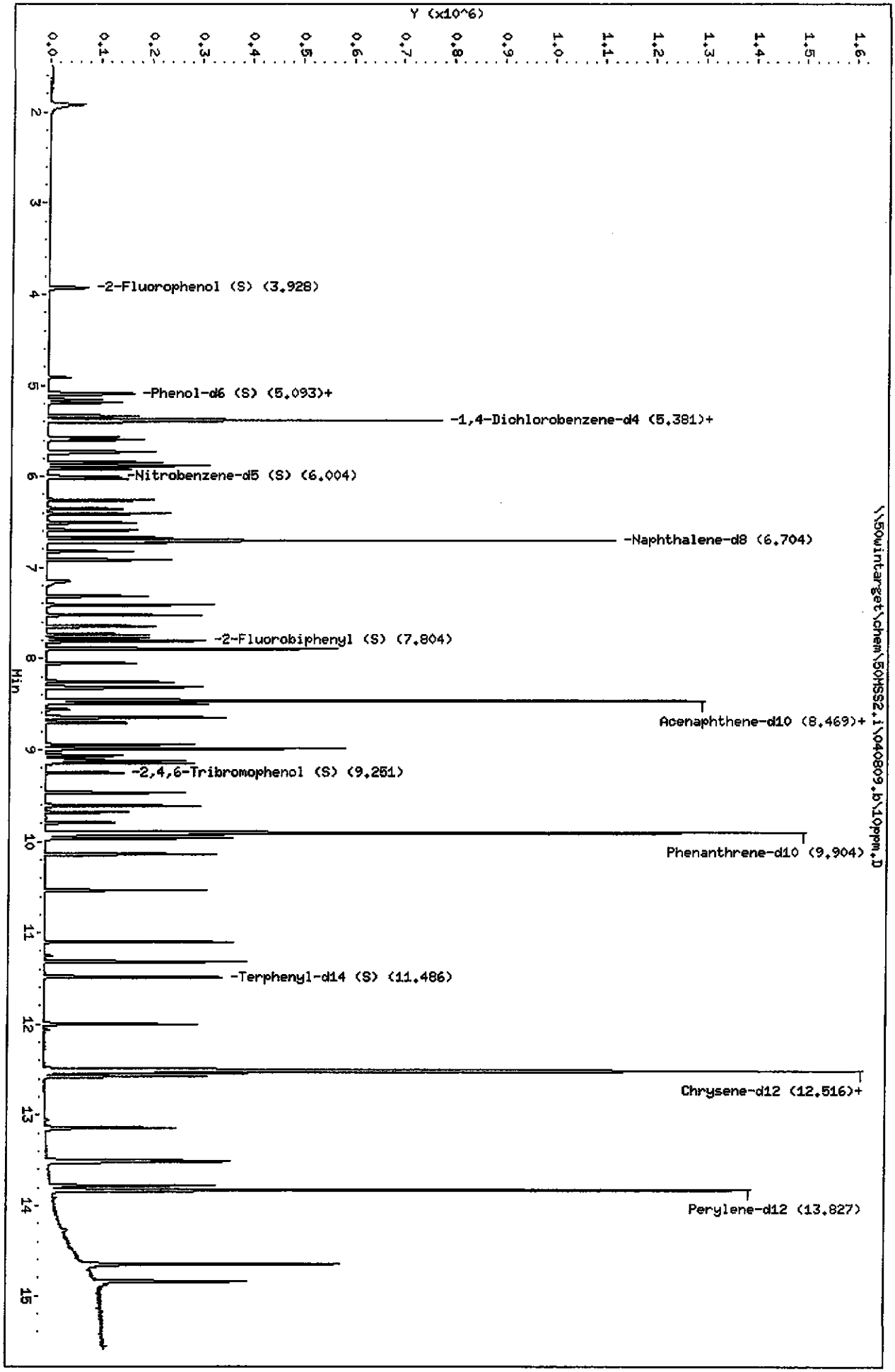
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	11.89	
100-02-7	4-Nitrophenol	9.77	
132-64-9	Dibenzofuran	9.84	
121-14-2	2,4-Dinitrotoluene	9.62	
84-66-2	Diethylphthalate	9.95	
86-73-7	Fluorene	9.72	
7005-72-3	4-Chlorophenyl-phenylether	9.42	
100-01-6	4-Nitroaniline	10.70	
534-52-1	4,6-Dinitro-2-methylphenol	10.36	
86-30-6	N-Nitrosodiphenylamine	9.47	
122-66-7	1,2-Diphenylhydrazine	10.04	
101-55-3	4-Bromophenyl-phenylether	8.89	
118-74-1	Hexachlorobenzene	11.33	
1912-24-9	Atrazine	9.12	
87-86-5	Pentachlorophenol	12.51	
85-01-8	Phenanthrene	9.42	
120-12-7	Anthracene	9.47	
86-74-8	Carbazole	9.36	
84-74-2	Di-n-butylphthalate	9.60	
206-44-0	Fluoranthene	9.28	
92-87-5	Benzidine	12.44	
129-00-0	Pyrene	9.31	
85-68-7	Butylbenzylphthalate	9.65	
56-55-3	Benzo(a)anthracene	9.27	
91-94-1	3,3'-Dichlorobenzidine	10.15	
218-01-9	Chrysene	9.54	
117-81-7	bis(2-Ethylhexyl)phthalate	9.25	
117-84-0	Di-n-octylphthalate	9.13	
205-99-2	Benzo(b)fluoranthene	10.41	
207-08-9	Benzo(k)fluoranthene	9.49	
50-32-8	Benzo(a)pyrene	9.44	
193-39-5	Indeno(1,2,3-cd)pyrene	10.17	
53-70-3	Dibenz(a,h)anthracene	10.22	
191-24-2	Benzo(g,h,i)perylene	9.94	
367-12-4	2-Fluorophenol (S)	9.62	
13127-88-3	Phenol-d6 (S)	9.85	
4165-60-0	Nitrobenzene-d5 (S)	9.89	
321-60-8	2-Fluorobiphenyl (S)	9.72	
	2,4,6-Tribromophenol (S)	12.42	
98904-43-9	Terphenyl-d14 (S)	10.56	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\10ppm.D
Date : 08-APR-2009 11:35
Client ID:
Sample Info: 10ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\20ppm.D
Lab Smp Id: h061d
Inj Date : 08-APR-2009 11:55
Operator : KES Inst ID: 50MSS2.i
Smp Info : 20ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	37979	20.0000	20.04(H)
	2 Pyridine	79	1.916	1.927	(0.356)	65304	20.0000	20.11(M)
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	60062	20.0000	19.93
	4 Benzaldehyde	77	4.910	4.910	(0.913)	18604	20.0000	19.48
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	75139	20.0000	19.83
	6 Phenol	94	5.098	5.098	(0.948)	75757	20.0000	19.39
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	61168	20.0000	20.36
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	63489	20.0000	18.82
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	76499	20.0000	19.45
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	105215	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	78710	20.0000	19.36
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	35565	20.0000	18.69
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	73955	20.0000	19.50
	14 2-Methylphenol	108	5.727	5.721	(1.064)	59711	20.0000	19.36
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	86146	20.0000	21.36
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	86146	20.0000	21.36
	17 Acetophenone	105	5.845	5.845	(1.086)	93239	20.0000	19.09
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	62137	20.0000	19.30
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	53401	20.0000	20.17
	20 Hexachloroethane	117	5.915	5.915	(1.099)	32752	20.0000	19.73
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	80767	20.0000	19.92
	22 Nitrobenzene	77	6.021	6.021	(0.898)	79954	20.0000	20.08(M)
	23 Isophorone	82	6.257	6.257	(0.933)	133917	20.0000	19.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	36313	20.0000	19.20
	25 2,4-Dimethylphenol	122	6.410	6.409	(0.956)	57300	20.0000	19.69
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	75144	20.0000	19.70
	27 Benzoic Acid	122	6.510	6.486	(0.971)	16594	20.0000	19.01
	28 2,4-Dichlorophenol	162	6.586	6.592	(0.982)	55823	20.0000	18.78
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	69885	20.0000	19.18
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	383097	40.0000	
	31 Naphthalene	128	6.721	6.721	(1.003)	188154	20.0000	19.42
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	76066	20.0000	19.43
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	49395	20.0000	18.79
	34 Caprolactam	113	7.151	7.162	(1.067)	19038	20.0000	19.17
	35 4-Chloro-3-methylphenol	107	7.315	7.315	(1.091)	57027	20.0000	18.98
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	136856	20.0000	19.23
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	58023	20.0000	18.15
	38 2,4,6-Trichlorophenol	196	7.733	7.739	(0.913)	47333	20.0000	19.06
	39 2,4,5-Trichlorophenol	196	7.780	7.780	(0.919)	52109	20.0000	18.90
$	40 2-Fluorobiphenyl (S)	172	7.809	7.803	(0.922)	160371	20.0000	18.84
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	170188	20.0000	19.16
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	139200	20.0000	19.35
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	43623	20.0000	19.54
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	154726	20.0000	18.77
	45 Acenaphthylene	152	8.315	8.315	(0.982)	207589	20.0000	19.08
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	33669	20.0000	18.32
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	236104	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	35706	20.0000	18.88
	49 Acenaphthene	153	8.498	8.498	(1.003)	131545	20.0000	19.18
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	15235	20.0000	18.48
	51 4-Nitrophenol	109	8.639	8.645	(1.020)	27423	20.0000	18.31
	52 Dibenzofuran	168	8.651	8.650	(1.022)	192014	20.0000	18.68
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	45132	20.0000	18.22
	54 Diethylphthalate	149	8.945	8.945	(1.056)	160764	20.0000	18.81
	55 Fluorene	166	8.992	8.992	(1.062)	156924	20.0000	18.38
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	85298	20.0000	18.44
	57 4-Nitroaniline	138	9.068	9.062	(1.071)	33426	20.0000	18.36
	58 4,6-Dinitro-2-methylphenol	198	9.098	9.103	(0.919)	27624	20.0000	18.33
	59 N-Nitrosodiphenylamine	169	9.121	9.121	(0.921)	106022	20.0000	19.19
	60 1,2-Diphenylhydrazine	77	9.145	9.145	(0.923)	175842	20.0000	20.06
$	61 2,4,6-Tribromophenol (S)	330	9.251	9.250	(0.934)	29500	20.0000	19.80
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	54560	20.0000	18.03
	63 Hexachlorobenzene	284	9.609	9.609	(0.970)	65649	20.0000	19.07
	64 Atrazine	200	9.680	9.680	(0.977)	33526	20.0000	18.79
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	32831	20.0000	20.18
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	417948	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	226792	20.0000	19.04
	68 Anthracene	178	9.968	9.968	(1.007)	234662	20.0000	18.93
	69 Carbazole	167	10.139	10.139	(1.024)	210738	20.0000	18.88
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	261719	20.0000	19.00
	71 Fluoranthene	202	11.097	11.097	(1.121)	257986	20.0000	18.36
	72 Benzidine	184	11.244	11.244	(1.135)	11235	20.0000	16.17(M)
	73 Pyrene	202	11.315	11.315	(1.143)	272003	20.0000	18.42
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	189087	20.0000	18.10
	75 Butylbenzylphthalate	149	11.997	11.997	(0.959)	111612	20.0000	19.34
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	268270	20.0000	19.30
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	78795	20.0000	19.27

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	540465	40.0000	
79 Chrysene	228	12.539	12.538	(1.002)	258117	20.0000	19.34(M)
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	156317	20.0000	18.62
81 Di-n-octylphthalate	149	13.138	13.138	(0.950)	239059	20.0000	17.77
82 Benzo(b)fluoranthene	252	13.497	13.497	(0.976)	263900	20.0000	18.15
83 Benzo(k)fluoranthene	252	13.521	13.515	(0.978)	296058	20.0000	18.13(H)
84 Benzo(a)pyrene	252	13.780	13.780	(0.997)	241008	20.0000	18.04
* 85 Perylene-d12	264	13.827	13.827	(1.000)	503469	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.650	14.650	(1.060)	271944	20.0000	18.15
87 Dibenz(a,h)anthracene	278	14.656	14.656	(1.060)	225738	20.0000	17.94
88 Benzo(g,h,i)perylene	276	14.844	14.844	(1.074)	230771	20.0000	18.56

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 20ppm.D
Lab Smp Id: h061d
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	105215	-2.14
30 Naphthalene-d8	397045	198523	794090	383097	-3.51
47 Acenaphthene-d10	249088	124544	498176	236104	-5.21
66 Phenanthrene-d10	451720	225860	903440	417948	-7.48
78 Chrysene-d12	618598	309299	1237196	540465	-12.63
85 Perylene-d12	555611	277806	1111222	503469	-9.38

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061d
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	20.04	
110-86-1	Pyridine	20.11	
100-52-7	Benzaldehyde	19.48	
108-95-2	Phenol	19.39	
111-44-4	bis(2-Chloroethyl)ether	20.36	
95-57-8	2-Chlorophenol	18.82	
541-73-1	1,3-Dichlorobenzene	19.45	
106-46-7	1,4-Dichlorobenzene	19.36	
100-51-6	Benzyl Alcohol	18.69	
95-50-1	1,2-Dichlorobenzene	19.50	
95-48-7	2-Methylphenol	19.36	
39638-32-9	bis(2-Chloroisopropyl)ether	21.36	
108-60-1	2,2'-Oxybis(1-chloropropane)	21.36	
98-86-2	Acetophenone	19.09	
	3&4-Methylphenol	19.30	
621-64-7	N-Nitroso-di-n-propylamine	20.17	
67-72-1	Hexachloroethane	19.73	
98-95-3	Nitrobenzene	20.08	
78-59-1	Isophorone	19.66	
88-75-5	2-Nitrophenol	19.20	
105-67-9	2,4-Dimethylphenol	19.69	
111-91-1	bis(2-Chloroethoxy)methane	19.70	
65-85-0	Benzoic Acid	19.01	
120-83-2	2,4-Dichlorophenol	18.78	
120-82-1	1,2,4-Trichlorobenzene	19.18	
91-20-3	Naphthalene	19.42	
106-47-8	4-Chloroaniline	19.43	
87-68-3	Hexachlorobutadiene	18.79	
10-60-2	Caprolactam	19.17	
59-50-7	4-Chloro-3-methylphenol	18.98	
91-57-6	2-Methylnaphthalene	19.23	
77-47-4	Hexachlorocyclopentadiene	18.15	
88-06-2	2,4,6-Trichlorophenol	19.06	
95-95-4	2,4,5-Trichlorophenol	18.90	
92-52-4	Biphenyl (Diphenyl)	19.16	
91-58-7	2-Chloronaphthalene	19.35	
88-74-4	2-Nitroaniline	19.54	
131-11-3	Dimethylphthalate	18.77	
208-96-8	Acenaphthylene	19.08	
606-20-2	2,6-Dinitrotoluene	18.32	
99-09-2	3-Nitroaniline	18.88	
83-32-9	Acenaphthene	19.18	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h061d
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

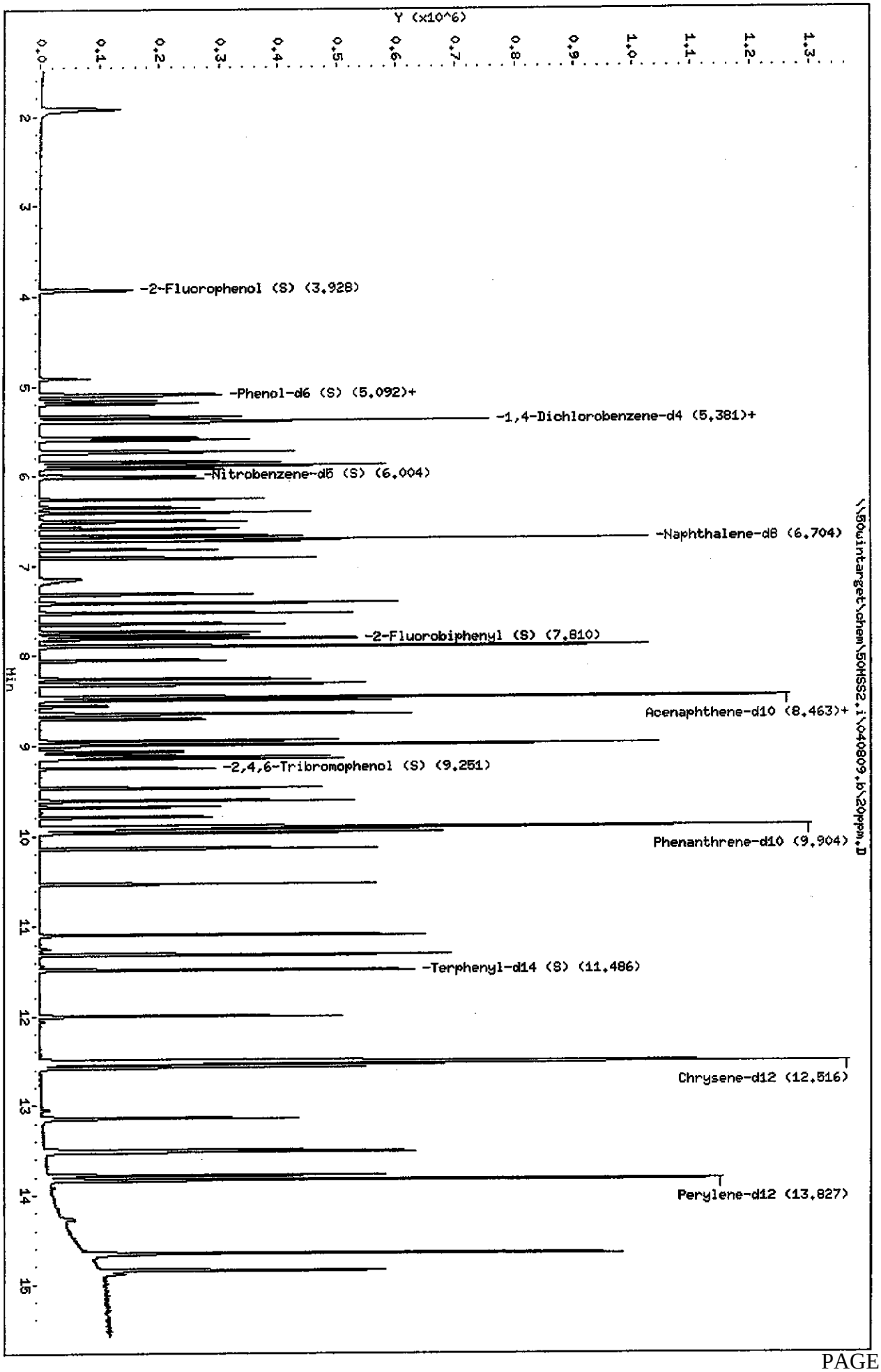
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	18.48	
100-02-7	4-Nitrophenol	18.31	
132-64-9	Dibenzofuran	18.68	
121-14-2	2,4-Dinitrotoluene	18.22	
84-66-2	Diethylphthalate	18.81	
86-73-7	Fluorene	18.38	
7005-72-3	4-Chlorophenyl-phenylether	18.44	
100-01-6	4-Nitroaniline	18.36	
534-52-1	4,6-Dinitro-2-methylphenol	18.33	
86-30-6	N-Nitrosodiphenylamine	19.19	
122-66-7	1,2-Diphenylhydrazine	20.06	
101-55-3	4-Bromophenyl-phenylether	18.03	
118-74-1	Hexachlorobenzene	19.07	
1912-24-9	Atrazine	18.79	
87-86-5	Pentachlorophenol	20.18	
85-01-8	Phenanthrene	19.04	
120-12-7	Anthracene	18.93	
86-74-8	Carbazole	18.88	
84-74-2	Di-n-butylphthalate	19.00	
206-44-0	Fluoranthene	18.36	
92-87-5	Benzidine	16.17	
129-00-0	Pyrene	18.42	
85-68-7	Butylbenzylphthalate	19.34	
56-55-3	Benzo(a)anthracene	19.30	
91-94-1	3,3'-Dichlorobenzidine	19.27	
218-01-9	Chrysene	19.34	
117-81-7	bis(2-Ethylhexyl)phthalate	18.62	
117-84-0	Di-n-octylphthalate	17.77	
205-99-2	Benzo(b)fluoranthene	18.15	
207-08-9	Benzo(k)fluoranthene	18.13	
50-32-8	Benzo(a)pyrene	18.04	
193-39-5	Indeno(1,2,3-cd)pyrene	18.15	
53-70-3	Dibenz(a,h)anthracene	17.94	
191-24-2	Benzo(g,h,i)perylene	18.56	
367-12-4	2-Fluorophenol (S)	19.93	
13127-88-3	Phenol-d6 (S)	19.83	
4165-60-0	Nitrobenzene-d5 (S)	19.92	
321-60-8	2-Fluorobiphenyl (S)	18.84	
	2,4,6-Tribromophenol (S)	19.80	
98904-43-9	Terphenyl-d14 (S)	18.10	

Data File: \\50wintarget\chem\50HSS2.i\040809.b\20ppm.D
Date : 08-APR-2009 11:55
Client ID:
Sample Info: 20ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50HSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\50ppm.D
Lab Smp Id: 50ppm
Inj Date : 08-APR-2009 12:15
Operator : KES Inst ID: 50MSS2.i
Smp Info : 50ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	103020	50.0000	53.56(H)
	2 Pyridine	79	1.916	1.927	(0.356)	177161	50.0000	53.76
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	164226	50.0000	53.71
	4 Benzaldehyde	77	4.910	4.910	(0.913)	50271	50.0000	51.86
$	5 Phenol-d6 (S)	99	5.086	5.086	(0.945)	204906	50.0000	53.28
	6 Phenol	94	5.098	5.098	(0.948)	211575	50.0000	53.36
	7 bis(2-Chloroethyl)ether	93	5.157	5.157	(0.958)	162893	50.0000	53.44
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	182978	50.0000	53.45
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	212110	50.0000	53.14
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	106769	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	218793	50.0000	53.04
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	100770	50.0000	52.18
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	202647	50.0000	52.65
	14 2-Methylphenol	108	5.727	5.721	(1.064)	167717	50.0000	53.58
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	227018	50.0000	55.47
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	227018	50.0000	55.47
	17 Acetophenone	105	5.851	5.845	(1.087)	263875	50.0000	53.25
	18 3&4-Methylphenol	108	5.880	5.880	(1.093)	176406	50.0000	54.00
	19 N-Nitroso-di-n-propylamine	70	5.880	5.880	(1.093)	146165	50.0000	54.40
	20 Hexachloroethane	117	5.915	5.915	(1.099)	90195	50.0000	53.54
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	226917	50.0000	53.87
	22 Nitrobenzene	77	6.021	6.021	(0.898)	223236	50.0000	53.95(M)
	23 Isophorone	82	6.257	6.257	(0.933)	375285	50.0000	53.00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	104264	50.0000	53.03
	25 2,4-Dimethylphenol	122	6.409	6.409	(0.956)	160413	50.0000	53.04
	26 bis(2-Chloroethoxy)methane	93	6.504	6.504	(0.970)	211389	50.0000	53.34
	27 Benzoic Acid	122	6.539	6.486	(0.975)	76664	50.0000	53.61
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	162768	50.0000	52.69
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	197035	50.0000	52.05
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	398132	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.004)	524467	50.0000	52.09
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	221330	50.0000	54.40
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	141461	50.0000	51.77
	34 Caprolactam	113	7.157	7.162	(1.068)	55657	50.0000	50.65
	35 4-Chloro-3-methylphenol	107	7.321	7.315	(1.092)	165941	50.0000	53.13
	36 2-Methylnaphthalene	142	7.415	7.415	(1.106)	381397	50.0000	51.58
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	177657	50.0000	53.29
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	136723	50.0000	52.79
	39 2,4,5-Trichlorophenol	196	7.780	7.780	(0.919)	153830	50.0000	53.50
$	40 2-Fluorobiphenyl (S)	172	7.809	7.803	(0.922)	474085	50.0000	53.40
	41 Biphenyl (Diphenyl)	154	7.892	7.892	(0.932)	498569	50.0000	53.83
	42 2-Chloronaphthalene	162	7.898	7.898	(0.933)	396855	50.0000	52.90
	43 2-Nitroaniline	65	8.051	8.051	(0.951)	127740	50.0000	54.86
	44 Dimethylphthalate	163	8.256	8.256	(0.975)	451129	50.0000	52.48
	45 Acenaphthylene	152	8.315	8.315	(0.982)	596115	50.0000	52.53
	46 2,6-Dinitrotoluene	165	8.327	8.327	(0.983)	102290	50.0000	53.36
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	246223	40.0000	
	48 3-Nitroaniline	138	8.462	8.462	(0.999)	106489	50.0000	54.00
	49 Acenaphthene	153	8.498	8.498	(1.003)	379413	50.0000	53.04
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	62275	50.0000	48.82
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	84357	50.0000	52.80
	52 Dibenzofuran	168	8.651	8.650	(1.022)	566975	50.0000	52.90
	53 2,4-Dinitrotoluene	165	8.709	8.709	(1.028)	137209	50.0000	53.13
	54 Diethylphthalate	149	8.951	8.945	(1.057)	469505	50.0000	52.69
	55 Fluorene	166	8.992	8.992	(1.062)	476898	50.0000	53.56
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	255834	50.0000	53.04
	57 4-Nitroaniline	138	9.074	9.062	(1.072)	103006	50.0000	50.49
	58 4,6-Dinitro-2-methylphenol	198	9.103	9.103	(0.919)	95933	50.0000	49.85
	59 N-Nitrosodiphenylamine	169	9.127	9.121	(0.922)	312345	50.0000	52.56
	60 1,2-Diphenylhydrazine	77	9.150	9.145	(0.924)	497050	50.0000	52.70
$	61 2,4,6-Tribromophenol (S)	330	9.250	9.250	(0.934)	92197	50.0000	45.59
	62 4-Bromophenyl-phenylether	248	9.468	9.468	(0.956)	165584	50.0000	50.86
	63 Hexachlorobenzene	284	9.615	9.609	(0.971)	203490	50.0000	47.58
	64 Atrazine	200	9.686	9.680	(0.978)	103108	50.0000	53.72
	65 Pentachlorophenol	266	9.792	9.792	(0.989)	111680	50.0000	48.20
*	66 Phenanthrene-d10	188	9.903	9.903	(1.000)	449598	40.0000	
	67 Phenanthrene	178	9.927	9.927	(1.002)	681007	50.0000	53.14
	68 Anthracene	178	9.968	9.968	(1.007)	706183	50.0000	52.97
	69 Carbazole	167	10.145	10.139	(1.024)	634552	50.0000	52.84
	70 Di-n-butylphthalate	149	10.533	10.533	(1.064)	795865	50.0000	53.70
	71 Fluoranthene	202	11.097	11.097	(1.121)	805335	50.0000	53.28
	72 Benzidine	184	11.250	11.244	(1.136)	37452	50.0000	43.37
	73 Pyrene	202	11.321	11.315	(1.143)	843356	50.0000	53.10
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.160)	607779	50.0000	48.93
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	356024	50.0000	54.76
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	848320	50.0000	54.19
	77 3,3'-Dichlorobenzidine	252	12.497	12.497	(0.999)	234188	50.0000	50.84

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	608853	40.0000	
79 Chrysene	228	12.539	12.538	(1.002)	793478	50.0000	52.77
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	501878	50.0000	53.08
81 Di-n-octylphthalate	149	13.144	13.138	(0.950)	799786	50.0000	52.39
82 Benzo(b)fluoranthene	252	13.503	13.497	(0.976)	917706	50.0000	52.46
83 Benzo(k)fluoranthene	252	13.527	13.515	(0.978)	900740	50.0000	47.68(H)
84 Benzo(a)pyrene	252	13.785	13.780	(0.997)	774516	50.0000	50.13
* 85 Perylene-d12	264	13.833	13.827	(1.000)	552369	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.656	14.650	(1.060)	916839	50.0000	49.95
87 Dibenz(a,h)anthracene	278	14.662	14.656	(1.060)	777072	50.0000	49.58
88 Benzo(g,h,i)perylene	276	14.850	14.844	(1.074)	734111	50.0000	50.19

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 50ppm.D
Lab Smp Id: 50ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	106769	-0.70
30 Naphthalene-d8	397045	198523	794090	398132	0.27
47 Acenaphthene-d10	249088	124544	498176	246223	-1.15
66 Phenanthrene-d10	451720	225860	903440	449598	-0.47
78 Chrysene-d12	618598	309299	1237196	608853	-1.58
85 Perylene-d12	555611	277806	1111222	552369	-0.58

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.90	-0.06
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	53.56	
110-86-1	Pyridine	53.76	
100-52-7	Benzaldehyde	51.86	
108-95-2	Phenol	53.36	
111-44-4	bis(2-Chloroethyl)ether	53.44	
95-57-8	2-Chlorophenol	53.45	
541-73-1	1,3-Dichlorobenzene	53.14	
106-46-7	1,4-Dichlorobenzene	53.04	
100-51-6	Benzyl Alcohol	52.18	
95-50-1	1,2-Dichlorobenzene	52.65	
95-48-7	2-Methylphenol	53.58	
39638-32-9	bis(2-Chloroisopropyl)ether	55.47	
108-60-1	2,2'-Oxybis(1-chloropropane)	55.47	
98-86-2	Acetophenone	53.25	
	3&4-Methylphenol	54.00	
621-64-7	N-Nitroso-di-n-propylamine	54.40	
67-72-1	Hexachloroethane	53.54	
98-95-3	Nitrobenzene	53.95	
78-59-1	Isophorone	53.00	
88-75-5	2-Nitrophenol	53.03	
105-67-9	2,4-Dimethylphenol	53.04	
111-91-1	bis(2-Chloroethoxy)methane	53.34	
65-85-0	Benzoic Acid	53.61	
120-83-2	2,4-Dichlorophenol	52.69	
120-82-1	1,2,4-Trichlorobenzene	52.05	
91-20-3	Naphthalene	52.09	
106-47-8	4-Chloroaniline	54.40	
87-68-3	Hexachlorobutadiene	51.77	
10-60-2	Caprolactam	50.65	
59-50-7	4-Chloro-3-methylphenol	53.13	
91-57-6	2-Methylnaphthalene	51.58	
77-47-4	Hexachlorocyclopentadiene	53.29	
88-06-2	2,4,6-Trichlorophenol	52.79	
95-95-4	2,4,5-Trichlorophenol	53.50	
92-52-4	Biphenyl (Diphenyl)	53.83	
91-58-7	2-Chloronaphthalene	52.90	
88-74-4	2-Nitroaniline	54.86	
131-11-3	Dimethylphthalate	52.48	
208-96-8	Acenaphthylene	52.53	
606-20-2	2,6-Dinitrotoluene	53.36	
99-09-2	3-Nitroaniline	54.00	
83-32-9	Acenaphthene	53.04	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 50ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

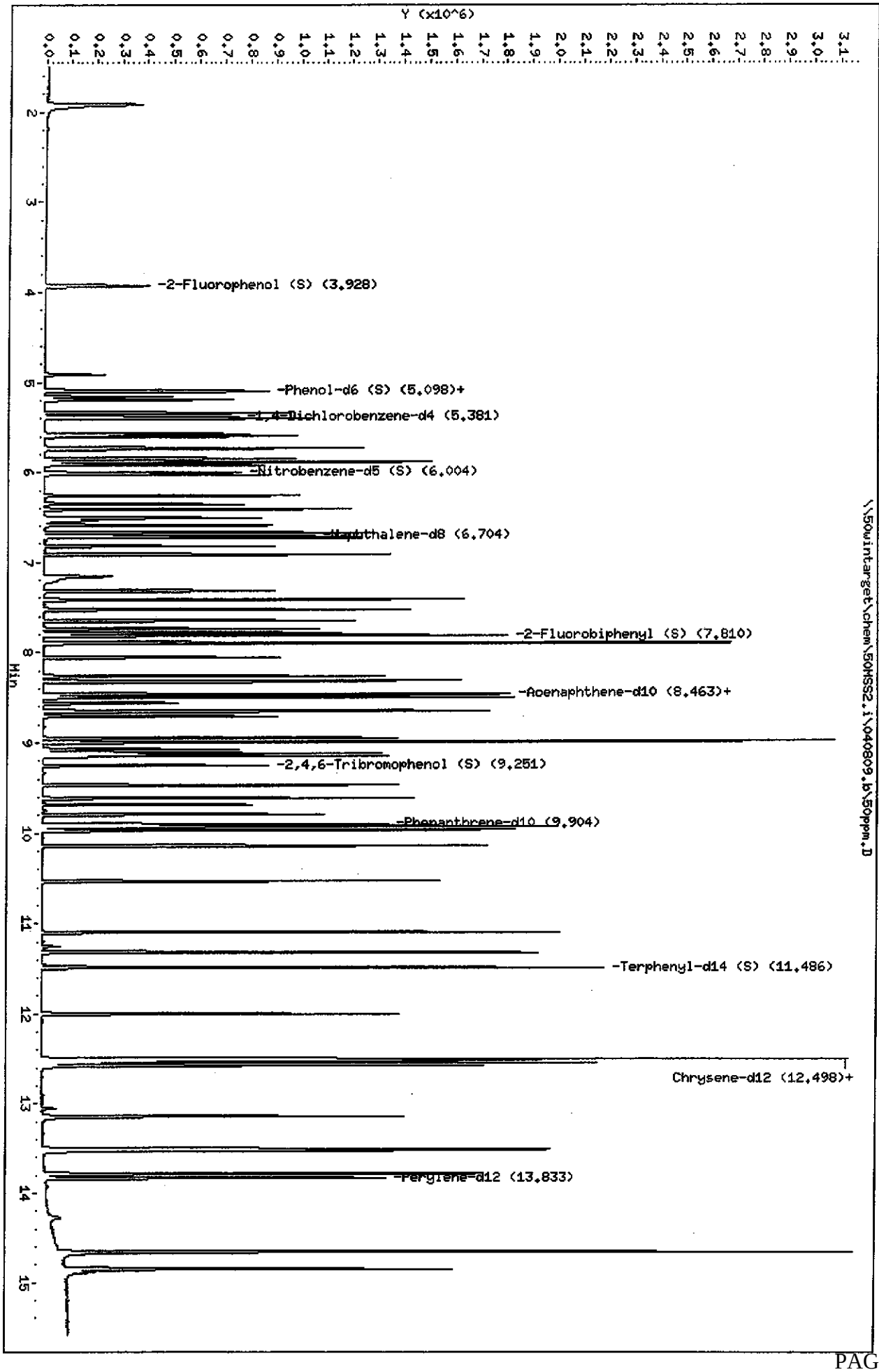
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	48.82	
100-02-7	4-Nitrophenol	52.80	
132-64-9	Dibenzofuran	52.90	
121-14-2	2,4-Dinitrotoluene	53.13	
84-66-2	Diethylphthalate	52.69	
86-73-7	Fluorene	53.56	
7005-72-3	4-Chlorophenyl-phenylether	53.04	
100-01-6	4-Nitroaniline	50.49	
534-52-1	4,6-Dinitro-2-methylphenol	49.85	
86-30-6	N-Nitrosodiphenylamine	52.56	
122-66-7	1,2-Diphenylhydrazine	52.70	
101-55-3	4-Bromophenyl-phenylether	50.86	
118-74-1	Hexachlorobenzene	47.58	
1912-24-9	Atrazine	53.72	
87-86-5	Pentachlorophenol	48.20	
85-01-8	Phenanthrene	53.14	
120-12-7	Anthracene	52.97	
86-74-8	Carbazole	52.84	
84-74-2	Di-n-butylphthalate	53.70	
206-44-0	Fluoranthene	53.28	
92-87-5	Benzidine	43.37	
129-00-0	Pyrene	53.10	
85-68-7	Butylbenzylphthalate	54.76	
56-55-3	Benzo(a)anthracene	54.19	
91-94-1	3,3'-Dichlorobenzidine	50.84	
218-01-9	Chrysene	52.77	
117-81-7	bis(2-Ethylhexyl)phthalate	53.08	
117-84-0	Di-n-octylphthalate	52.39	
205-99-2	Benzo(b)fluoranthene	52.46	
207-08-9	Benzo(k)fluoranthene	47.68	
50-32-8	Benzo(a)pyrene	50.13	
193-39-5	Indeno(1,2,3-cd)pyrene	49.95	
53-70-3	Dibenz(a,h)anthracene	49.58	
191-24-2	Benzo(g,h,i)perylene	50.19	
367-12-4	2-Fluorophenol (S)	53.71	
13127-88-3	Phenol-d6 (S)	53.28	
4165-60-0	Nitrobenzene-d5 (S)	53.87	
321-60-8	2-Fluorobiphenyl (S)	53.40	
	2,4,6-Tribromophenol (S)	45.59	
98904-43-9	Terphenyl-d14 (S)	48.93	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\50ppm.D
Date : 08-APR-2009 12:15
Client ID:
Sample Info: 50ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Lab Smp Id: 100ppm
Inj Date : 08-APR-2009 12:36
Operator : KES Inst ID: 50MSS2.i
Smp Info : 100ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	192513	100.000	99.39(H)
	2 Pyridine	79	1.910	1.927	(0.355)	333123	100.000	100.4
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	305338	100.000	99.16
	4 Benzaldehyde	77	4.910	4.910	(0.913)	93248	100.000	95.53
$	5 Phenol-d6 (S)	99	5.092	5.086	(0.946)	386787	100.000	99.87
	6 Phenol	94	5.104	5.098	(0.949)	396762	100.000	99.38
	7 bis(2-Chloroethyl)ether	93	5.163	5.157	(0.960)	300728	100.000	97.98
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	345312	100.000	100.2
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	399364	100.000	99.36
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	107519	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	413361	100.000	99.50
	12 Benzyl Alcohol	108	5.574	5.574	(1.036)	190867	100.000	98.14
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	384236	100.000	99.14
	14 2-Methylphenol	108	5.733	5.721	(1.066)	317181	100.000	100.6
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	402746	100.000	97.73
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	402746	100.000	97.73
	17 Acetophenone	105	5.851	5.845	(1.087)	489506	100.000	98.09
	18 3&4-Methylphenol	108	5.886	5.880	(1.094)	329638	100.000	100.2
	19 N-Nitroso-di-n-propylamine	70	5.886	5.880	(1.094)	266970	100.000	98.67
	20 Hexachloroethane	117	5.915	5.915	(1.099)	169939	100.000	100.2
$	21 Nitrobenzene-d5 (S)	82	6.004	6.004	(0.896)	414668	100.000	98.70
	22 Nitrobenzene	77	6.021	6.021	(0.898)	405769	100.000	98.34
	23 Isophorone	82	6.263	6.257	(0.934)	697905	100.000	98.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.351	6.351	(0.947)	201592	100.000	102.8
	25 2,4-Dimethylphenol	122	6.415	6.409	(0.957)	306637	100.000	101.7
	26 bis(2-Chloroethoxy)methane	93	6.510	6.504	(0.971)	391195	100.000	98.98
	27 Benzoic Acid	122	6.563	6.486	(0.979)	149696	100.000	95.45
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.983)	315308	100.000	102.3
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.995)	382143	100.000	101.2
*	30 Naphthalene-d8	136	6.704	6.704	(1.000)	397045	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.004)	1000674	100.000	99.67
	32 4-Chloroaniline	127	6.821	6.821	(1.018)	422142	100.000	104.0
	33 Hexachlorobutadiene	225	6.915	6.915	(1.032)	277066	100.000	101.7
	34 Caprolactam	113	7.174	7.162	(1.070)	108589	100.000	97.36(M)
	35 4-Chloro-3-methylphenol	107	7.321	7.315	(1.092)	313749	100.000	100.7
	36 2-Methylnaphthalene	142	7.421	7.415	(1.107)	733142	100.000	99.41
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	351311	100.000	104.2
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	267215	100.000	102.0
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	299696	100.000	103.0
$	40 2-Fluorobiphenyl (S)	172	7.809	7.803	(0.922)	906365	100.000	100.9
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	952188	100.000	101.6
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	767676	100.000	101.2
	43 2-Nitroaniline	65	8.057	8.051	(0.951)	237728	100.000	100.9
	44 Dimethylphthalate	163	8.262	8.256	(0.976)	871335	100.000	100.2
	45 Acenaphthylene	152	8.315	8.315	(0.982)	1152710	100.000	100.4
	46 2,6-Dinitrotoluene	165	8.333	8.327	(0.984)	196744	100.000	101.4
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	249088	40.0000	
	48 3-Nitroaniline	138	8.468	8.462	(1.000)	203688	100.000	102.1
	49 Acenaphthene	153	8.498	8.498	(1.003)	726696	100.000	100.4
	50 2,4-Dinitrophenol	184	8.562	8.562	(1.011)	133919	100.000	94.65
	51 4-Nitrophenol	109	8.645	8.645	(1.021)	163496	100.000	100.6
	52 Dibenzofuran	168	8.656	8.650	(1.022)	1094368	100.000	100.9
	53 2,4-Dinitrotoluene	165	8.715	8.709	(1.029)	265090	100.000	101.5
	54 Diethylphthalate	149	8.951	8.945	(1.057)	900139	100.000	99.85
	55 Fluorene	166	8.992	8.992	(1.062)	923129	100.000	102.5
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	501893	100.000	102.8
	57 4-Nitroaniline	138	9.080	9.062	(1.072)	201262	100.000	95.72
	58 4,6-Dinitro-2-methylphenol	198	9.109	9.103	(0.919)	192578	100.000	95.43
	59 N-Nitrosodiphenylamine	169	9.127	9.121	(0.921)	607901	100.000	101.8
	60 1,2-Diphenylhydrazine	77	9.151	9.145	(0.923)	922930	100.000	97.40
$	61 2,4,6-Tribromophenol (S)	330	9.256	9.250	(0.934)	195038	100.000	89.07
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	335826	100.000	102.7
	63 Hexachlorobenzene	284	9.615	9.609	(0.970)	419887	100.000	93.58
	64 Atrazine	200	9.692	9.680	(0.978)	200520	100.000	104.0
	65 Pentachlorophenol	266	9.798	9.792	(0.989)	233691	100.000	92.57
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	451720	40.0000	
	67 Phenanthrene	178	9.933	9.927	(1.002)	1309470	100.000	101.7
	68 Anthracene	178	9.974	9.968	(1.007)	1357792	100.000	101.4
	69 Carbazole	167	10.151	10.139	(1.024)	1226405	100.000	101.6
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	1514293	100.000	101.7
	71 Fluoranthene	202	11.103	11.097	(1.120)	1552721	100.000	102.2
	72 Benzidine	184	11.250	11.244	(1.135)	93351	100.000	102.8
	73 Pyrene	202	11.321	11.315	(1.142)	1638357	100.000	102.7
$	74 Terphenyl-d14 (S)	244	11.486	11.486	(1.159)	1232286	100.000	96.11
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	681283	100.000	103.1
	76 Benzo(a)anthracene	228	12.497	12.491	(0.999)	1661048	100.000	104.4
	77 3,3'-Dichlorobenzidine	252	12.503	12.497	(0.999)	449243	100.000	95.99

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.515	12.515	(1.000)	618598	40.0000	
79 Chrysene	228	12.544	12.538	(1.002)	1583174	100.000	103.6(M)
80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	980458	100.000	102.1
81 Di-n-octylphthalate	149	13.144	13.138	(0.950)	1564688	100.000	101.1
82 Benzo(b)fluoranthene	252	13.509	13.497	(0.977)	1676435	100.000	93.38
83 Benzo(k)fluoranthene	252	13.527	13.515	(0.978)	2015110	100.000	104.3(H)
84 Benzo(a)pyrene	252	13.786	13.780	(0.997)	1568540	100.000	99.50
* 85 Perylene-d12	264	13.833	13.827	(1.000)	555611	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.662	14.650	(1.060)	1906343	100.000	100.2
87 Dibenz(a,h)anthracene	278	14.668	14.656	(1.060)	1637674	100.000	100.4
88 Benzo(g,h,i)perylene	276	14.856	14.844	(1.074)	1501810	100.000	100.1

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 100ppm.D
Lab Smp Id: 100ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	107519	0.00
30 Naphthalene-d8	397045	198523	794090	397045	0.00
47 Acenaphthene-d10	249088	124544	498176	249088	0.00
66 Phenanthrene-d10	451720	225860	903440	451720	0.00
78 Chrysene-d12	618598	309299	1237196	618598	0.00
85 Perylene-d12	555611	277806	1111222	555611	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.70	0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	99.39	
110-86-1	Pyridine	100.4	
100-52-7	Benzaldehyde	95.53	
108-95-2	Phenol	99.38	
111-44-4	bis(2-Chloroethyl)ether	97.98	
95-57-8	2-Chlorophenol	100.2	
541-73-1	1,3-Dichlorobenzene	99.36	
106-46-7	1,4-Dichlorobenzene	99.50	
100-51-6	Benzyl Alcohol	98.14	
95-50-1	1,2-Dichlorobenzene	99.14	
95-48-7	2-Methylphenol	100.6	
39638-32-9	bis(2-Chloroisopropyl)ether	97.73	
108-60-1	2,2'-Oxybis(1-chloropropane)	97.73	
98-86-2	Acetophenone	98.09	
	3&4-Methylphenol	100.2	
621-64-7	N-Nitroso-di-n-propylamine	98.67	
67-72-1	Hexachloroethane	100.2	
98-95-3	Nitrobenzene	98.34	
78-59-1	Isophorone	98.84	
88-75-5	2-Nitrophenol	102.8	
105-67-9	2,4-Dimethylphenol	101.7	
111-91-1	bis(2-Chloroethoxy)methane	98.98	
65-85-0	Benzoic Acid	95.45	
120-83-2	2,4-Dichlorophenol	102.3	
120-82-1	1,2,4-Trichlorobenzene	101.2	
91-20-3	Naphthalene	99.67	
106-47-8	4-Chloroaniline	104.0	
87-68-3	Hexachlorobutadiene	101.7	
10-60-2	Caprolactam	97.36	
59-50-7	4-Chloro-3-methylphenol	100.7	
91-57-6	2-Methylnaphthalene	99.41	
77-47-4	Hexachlorocyclopentadiene	104.2	
88-06-2	2,4,6-Trichlorophenol	102.0	
95-95-4	2,4,5-Trichlorophenol	103.0	
92-52-4	Biphenyl (Diphenyl)	101.6	
91-58-7	2-Chloronaphthalene	101.2	
88-74-4	2-Nitroaniline	100.9	
131-11-3	Dimethylphthalate	100.2	
208-96-8	Acenaphthylene	100.4	
606-20-2	2,6-Dinitrotoluene	101.4	
99-09-2	3-Nitroaniline	102.1	
83-32-9	Acenaphthene	100.4	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 100ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

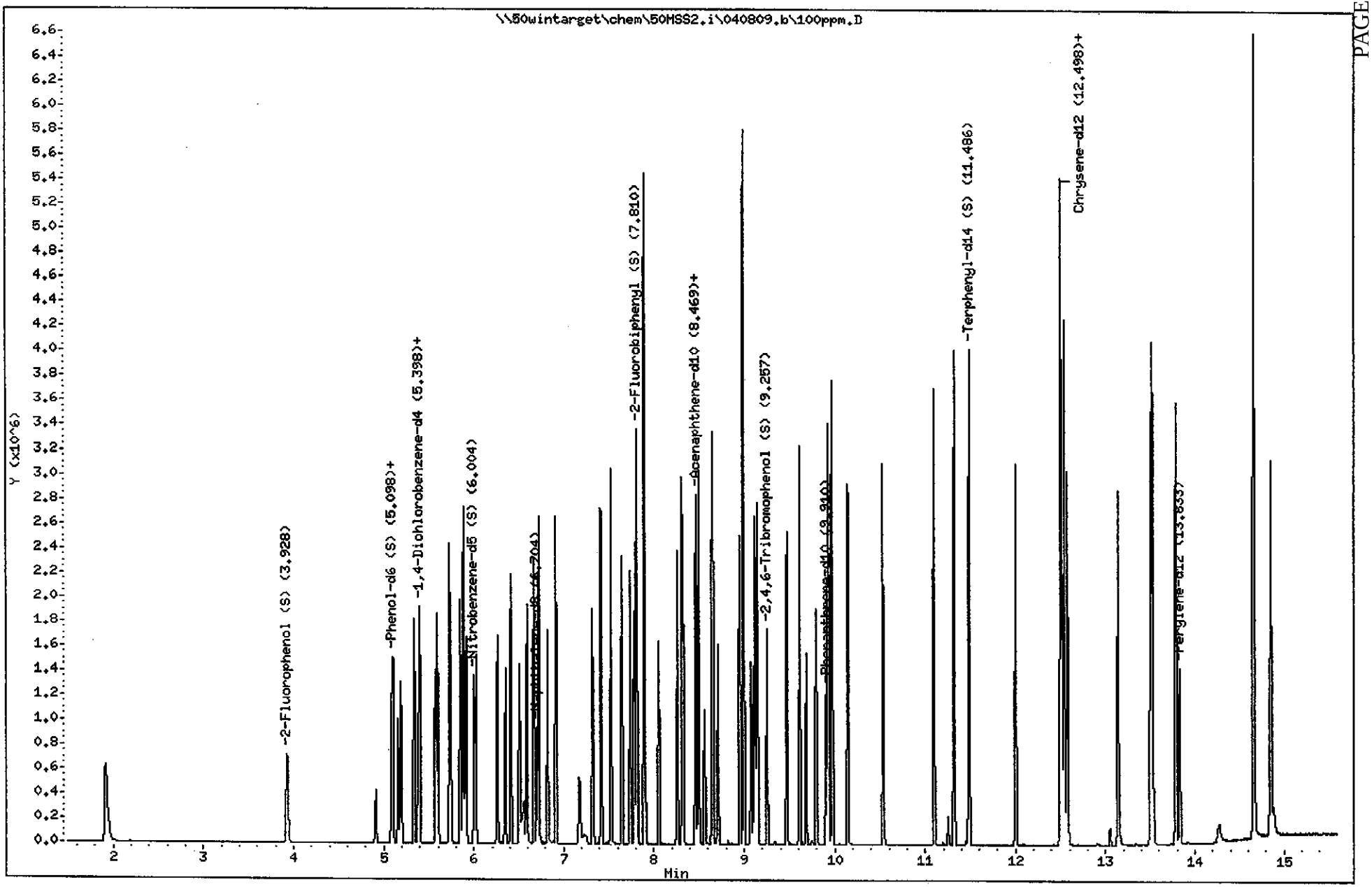
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	94.65	
100-02-7	4-Nitrophenol	100.6	
132-64-9	Dibenzofuran	100.9	
121-14-2	2,4-Dinitrotoluene	101.5	
84-66-2	Diethylphthalate	99.85	
86-73-7	Fluorene	102.5	
7005-72-3	4-Chlorophenyl-phenylether	102.8	
100-01-6	4-Nitroaniline	95.72	
534-52-1	4,6-Dinitro-2-methylphenol	95.43	
86-30-6	N-Nitrosodiphenylamine	101.8	
122-66-7	1,2-Diphenylhydrazine	97.40	
101-55-3	4-Bromophenyl-phenylether	102.7	
118-74-1	Hexachlorobenzene	93.58	
1912-24-9	Atrazine	104.0	
87-86-5	Pentachlorophenol	92.57	
85-01-8	Phenanthrene	101.7	
120-12-7	Anthracene	101.4	
86-74-8	Carbazole	101.6	
84-74-2	Di-n-butylphthalate	101.7	
206-44-0	Fluoranthene	102.2	
92-87-5	Benzidine	102.8	
129-00-0	Pyrene	102.7	
85-68-7	Butylbenzylphthalate	103.1	
56-55-3	Benzo(a)anthracene	104.4	
91-94-1	3,3'-Dichlorobenzidine	95.99	
218-01-9	Chrysene	103.6	
117-81-7	bis(2-Ethylhexyl)phthalate	102.1	
117-84-0	Di-n-octylphthalate	101.1	
205-99-2	Benzo(b)fluoranthene	93.38	
207-08-9	Benzo(k)fluoranthene	104.3	
50-32-8	Benzo(a)pyrene	99.50	
193-39-5	Indeno(1,2,3-cd)pyrene	100.2	
53-70-3	Dibenz(a,h)anthracene	100.4	
191-24-2	Benzo(g,h,i)perylene	100.1	
367-12-4	2-Fluorophenol (S)	99.16	
13127-88-3	Phenol-d6 (S)	99.87	
4165-60-0	Nitrobenzene-d5 (S)	98.70	
321-60-8	2-Fluorobiphenyl (S)	100.9	
	2,4,6-Tribromophenol (S)	89.07	
98904-43-9	Terphenyl-d14 (S)	96.11	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\100ppm.D
Date : 08-APR-2009 12:36
Client ID:
Sample Info: 100ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i

Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Lab Smp Id: 150ppm
Inj Date : 08-APR-2009 12:56
Operator : KES Inst ID: 50MSS2.i
Smp Info : 150ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	276803	150.000	146.0(H)
	2 Pyridine	79	1.910	1.927	(0.355)	486381	150.000	149.8
$	3 2-Fluorophenol (S)	112	3.927	3.927	(0.730)	445206	150.000	147.7
	4 Benzaldehyde	77	4.910	4.910	(0.913)	146552	150.000	153.4
$	5 Phenol-d6 (S)	99	5.092	5.086	(0.946)	577009	150.000	152.2
	6 Phenol	94	5.110	5.098	(0.950)	588987	150.000	150.8
	7 bis(2-Chloroethyl)ether	93	5.163	5.157	(0.960)	448344	150.000	149.3
	8 2-Chlorophenol	128	5.192	5.192	(0.965)	511064	150.000	151.5
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	592950	150.000	150.8
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	105217	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	615487	150.000	151.4
	12 Benzyl Alcohol	108	5.580	5.574	(1.037)	294661	150.000	154.8
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	574218	150.000	151.4
	14 2-Methylphenol	108	5.733	5.721	(1.066)	470911	150.000	152.7
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	560974	150.000	139.1
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	560974	150.000	139.1
	17 Acetophenone	105	5.857	5.845	(1.089)	744667	150.000	152.5
	18 3&4-Methylphenol	108	5.892	5.880	(1.095)	497432	150.000	154.5
	19 N-Nitroso-di-n-propylamine	70	5.892	5.880	(1.095)	392753	150.000	148.3
	20 Hexachloroethane	117	5.916	5.915	(1.099)	248169	150.000	149.5
$	21 Nitrobenzene-d5 (S)	82	6.010	6.004	(0.896)	625363	150.000	144.6
	22 Nitrobenzene	77	6.027	6.021	(0.898)	606195	150.000	142.7
	23 Isophorone	82	6.268	6.257	(0.934)	1071017	150.000	147.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.357	6.351	(0.947)	307967	150.000	152.5
	25 2,4-Dimethylphenol	122	6.415	6.409	(0.956)	464389	150.000	149.5
	26 bis(2-Chloroethoxy)methane	93	6.510	6.504	(0.970)	591212	150.000	145.3
	27 Benzoic Acid	122	6.580	6.486	(0.981)	258495	150.000	151.7
	28 2,4-Dichlorophenol	162	6.592	6.592	(0.982)	490817	150.000	154.7
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.994)	586977	150.000	151.0
*	30 Naphthalene-d8	136	6.710	6.704	(1.000)	408833	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.003)	1538736	150.000	148.8
	32 4-Chloroaniline	127	6.821	6.821	(1.017)	645503	150.000	154.5
	33 Hexachlorobutadiene	225	6.915	6.915	(1.031)	423908	150.000	151.1
	34 Caprolactam	113	7.198	7.162	(1.073)	174210	150.000	150.7(M)
	35 4-Chloro-3-methylphenol	107	7.327	7.315	(1.092)	496599	150.000	154.8(M)
	36 2-Methylnaphthalene	142	7.421	7.415	(1.106)	1144068	150.000	150.7
	37 Hexachlorocyclopentadiene	237	7.651	7.645	(0.903)	574216	150.000	159.0
	38 2,4,6-Trichlorophenol	196	7.745	7.739	(0.915)	428437	150.000	152.7
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	481002	150.000	154.4
$	40 2-Fluorobiphenyl (S)	172	7.815	7.803	(0.923)	1425475	150.000	148.2
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	1481559	150.000	147.7
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	1198980	150.000	147.5
	43 2-Nitroaniline	65	8.057	8.051	(0.951)	369228	150.000	146.4
	44 Dimethylphthalate	163	8.262	8.256	(0.976)	1421087	150.000	152.6
	45 Acenaphthylene	152	8.321	8.315	(0.983)	1871630	150.000	152.3
	46 2,6-Dinitrotoluene	165	8.339	8.327	(0.985)	324737	150.000	156.4
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	266708	40.0000	
	48 3-Nitroaniline	138	8.474	8.462	(1.001)	336278	150.000	157.4
	49 Acenaphthene	153	8.504	8.498	(1.004)	1160775	150.000	149.8
	50 2,4-Dinitrophenol	184	8.568	8.562	(1.012)	236817	150.000	151.0
	51 4-Nitrophenol	109	8.651	8.645	(1.022)	264393	150.000	151.6
	52 Dibenzofuran	168	8.657	8.650	(1.022)	1765381	150.000	152.1
	53 2,4-Dinitrotoluene	165	8.721	8.709	(1.030)	448159	150.000	160.2
	54 Diethylphthalate	149	8.956	8.945	(1.058)	1468238	150.000	152.1
	55 Fluorene	166	8.998	8.992	(1.063)	1478760	150.000	153.3
	56 4-Chlorophenyl-phenylether	204	8.998	8.992	(1.063)	816839	150.000	156.3
	57 4-Nitroaniline	138	9.092	9.062	(1.074)	344907	150.000	152.0
	58 4,6-Dinitro-2-methylphenol	198	9.115	9.103	(0.920)	336004	150.000	148.8
	59 N-Nitrosodiphenylamine	169	9.133	9.121	(0.922)	1000516	150.000	152.2
	60 1,2-Diphenylhydrazine	77	9.156	9.145	(0.924)	1524435	150.000	146.1
$	61 2,4,6-Tribromophenol (S)	330	9.256	9.250	(0.934)	360367	150.000	145.2
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	574881	150.000	159.6
	63 Hexachlorobenzene	284	9.621	9.609	(0.971)	742932	150.000	148.0
	64 Atrazine	200	9.692	9.680	(0.978)	333885	150.000	157.2
	65 Pentachlorophenol	266	9.798	9.792	(0.989)	424836	150.000	148.1
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	497403	40.0000	
	67 Phenanthrene	178	9.933	9.927	(1.002)	2184141	150.000	154.0
	68 Anthracene	178	9.980	9.968	(1.007)	2286398	150.000	155.0
	69 Carbazole	167	10.151	10.139	(1.024)	2062831	150.000	155.2
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	2550307	150.000	155.5
	71 Fluoranthene	202	11.103	11.097	(1.120)	2655636	150.000	158.8
	72 Benzidine	184	11.250	11.244	(1.135)	217290	150.000	213.8
	73 Pyrene	202	11.327	11.315	(1.143)	2792263	150.000	158.9
$	74 Terphenyl-d14 (S)	244	11.492	11.486	(1.160)	2168055	150.000	152.0
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	1194422	150.000	149.3
	76 Benzo(a)anthracene	228	12.503	12.491	(0.999)	2943030	150.000	152.8
	77 3,3'-Dichlorobenzidine	252	12.503	12.497	(0.999)	875536	150.000	154.4

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.521	12.515	(1.000)	749238	40.0000	
79 Chrysene	228	12.550	12.538	(1.002)	2767454	150.000	149.6
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.574	(1.005)	1747332	150.000	150.2
81 Di-n-octylphthalate	149	13.144	13.138	(0.950)	2844120	150.000	150.2
82 Benzo(b)fluoranthene	252	13.515	13.497	(0.977)	3186322	150.000	144.3
83 Benzo(k)fluoranthene	252	13.539	13.515	(0.979)	3750221	150.000	158.4(MH)
84 Benzo(a)pyrene	252	13.791	13.780	(0.997)	2957748	150.000	153.1
* 85 Perylene-d12	264	13.833	13.827	(1.000)	677328	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.668	14.650	(1.060)	3557120	150.000	151.9
87 Dibenz(a,h)anthracene	278	14.674	14.656	(1.061)	3109991	150.000	154.7
88 Benzo(g,h,i)perylene	276	14.868	14.844	(1.075)	2836538	150.000	154.0

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 150ppm.D
Lab Smp Id: 150ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	105217	-2.14
30 Naphthalene-d8	397045	198523	794090	408833	2.97
47 Acenaphthene-d10	249088	124544	498176	266708	7.07
66 Phenanthrene-d10	451720	225860	903440	497403	10.11
78 Chrysene-d12	618598	309299	1237196	749238	21.12
85 Perylene-d12	555611	277806	1111222	677328	21.91

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.05
85 Perylene-d12	13.83	13.33	14.33	13.83	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 150ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	146.0	
110-86-1	Pyridine	149.8	
100-52-7	Benzaldehyde	153.4	
108-95-2	Phenol	150.8	
111-44-4	bis(2-Chloroethyl)ether	149.3	
95-57-8	2-Chlorophenol	151.5	
541-73-1	1,3-Dichlorobenzene	150.8	
106-46-7	1,4-Dichlorobenzene	151.4	
100-51-6	Benzyl Alcohol	154.8	
95-50-1	1,2-Dichlorobenzene	151.4	
95-48-7	2-Methylphenol	152.7	
39638-32-9	bis(2-Chloroisopropyl)ether	139.1	
108-60-1	2,2'-Oxybis(1-chloropropane)	139.1	
98-86-2	Acetophenone	152.5	
	3&4-Methylphenol	154.5	
621-64-7	N-Nitroso-di-n-propylamine	148.3	
67-72-1	Hexachloroethane	149.5	
98-95-3	Nitrobenzene	142.7	
78-59-1	Isophorone	147.3	
88-75-5	2-Nitrophenol	152.5	
105-67-9	2,4-Dimethylphenol	149.5	
111-91-1	bis(2-Chloroethoxy)methane	145.3	
65-85-0	Benzoic Acid	151.7	
120-83-2	2,4-Dichlorophenol	154.7	
120-82-1	1,2,4-Trichlorobenzene	151.0	
91-20-3	Naphthalene	148.8	
106-47-8	4-Chloroaniline	154.5	
87-68-3	Hexachlorobutadiene	151.1	
10-60-2	Caprolactam	150.7	
59-50-7	4-Chloro-3-methylphenol	154.8	
91-57-6	2-Methylnaphthalene	150.7	
77-47-4	Hexachlorocyclopentadiene	159.0	
88-06-2	2,4,6-Trichlorophenol	152.7	
95-95-4	2,4,5-Trichlorophenol	154.4	
92-52-4	Biphenyl (Diphenyl)	147.7	
91-58-7	2-Chloronaphthalene	147.5	
88-74-4	2-Nitroaniline	146.4	
131-11-3	Dimethylphthalate	152.6	
208-96-8	Acenaphthylene	152.3	
606-20-2	2,6-Dinitrotoluene	156.4	
99-09-2	3-Nitroaniline	157.4	
83-32-9	Acenaphthene	149.8	

Pace Analytical Services

TARGET COMPOUNDS

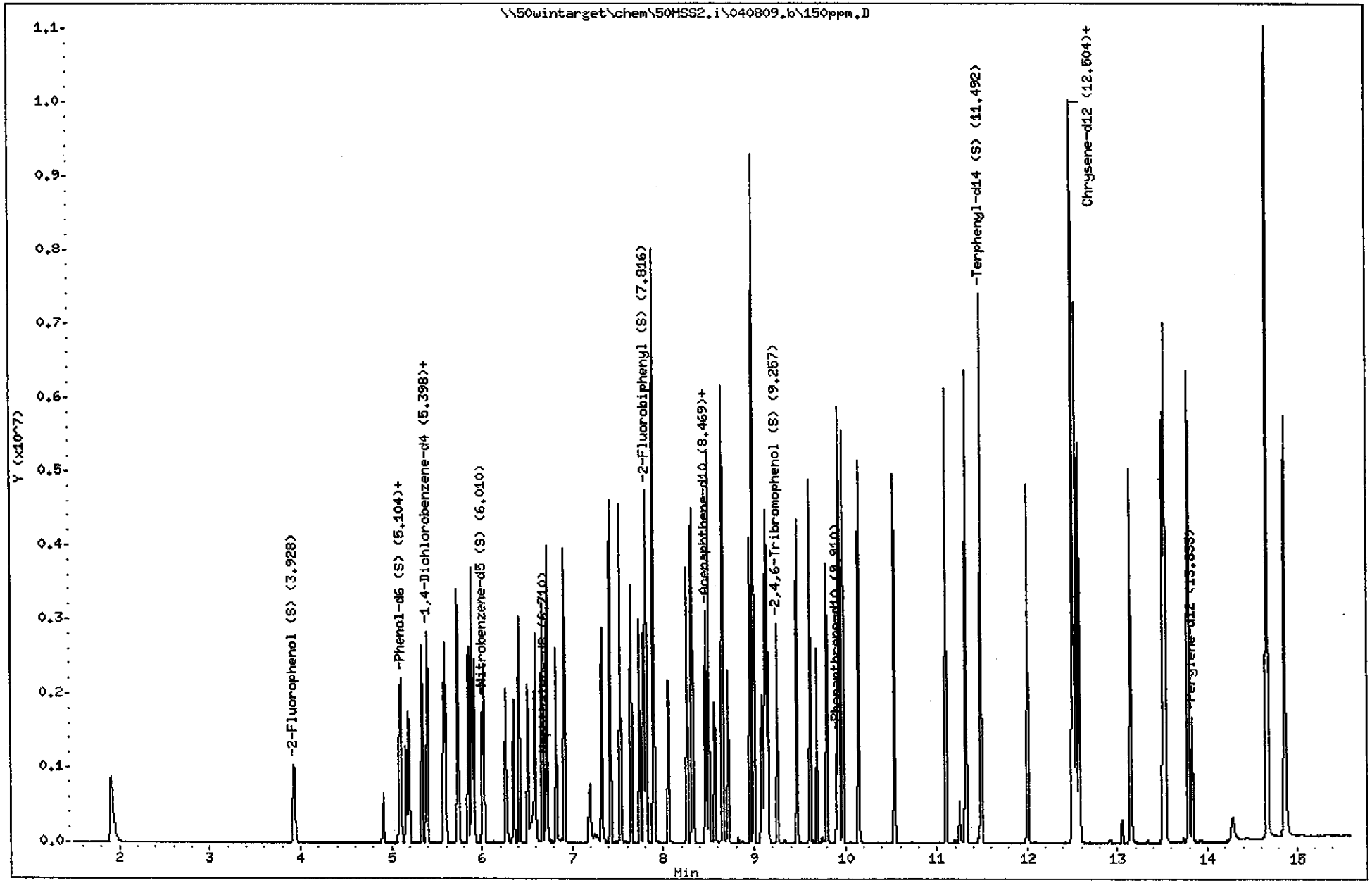
Client Name:
Lab Smp Id: 150ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	151.0	
100-02-7	4-Nitrophenol	151.6	
132-64-9	Dibenzofuran	152.1	
121-14-2	2,4-Dinitrotoluene	160.2	
84-66-2	Diethylphthalate	152.1	
86-73-7	Fluorene	153.3	
7005-72-3	4-Chlorophenyl-phenylether	156.3	
100-01-6	4-Nitroaniline	152.0	
534-52-1	4,6-Dinitro-2-methylphenol	148.8	
86-30-6	N-Nitrosodiphenylamine	152.2	
122-66-7	1,2-Diphenylhydrazine	146.1	
101-55-3	4-Bromophenyl-phenylether	159.6	
118-74-1	Hexachlorobenzene	148.0	
1912-24-9	Atrazine	157.2	
87-86-5	Pentachlorophenol	148.1	
85-01-8	Phenanthrene	154.0	
120-12-7	Anthracene	155.0	
86-74-8	Carbazole	155.2	
84-74-2	Di-n-butylphthalate	155.5	
206-44-0	Fluoranthene	158.8	
92-87-5	Benzidine	213.8	
129-00-0	Pyrene	158.9	
85-68-7	Butylbenzylphthalate	149.3	
56-55-3	Benzo(a)anthracene	152.8	
91-94-1	3,3'-Dichlorobenzidine	154.4	
218-01-9	Chrysene	149.6	
117-81-7	bis(2-Ethylhexyl)phthalate	150.2	
117-84-0	Di-n-octylphthalate	150.2	
205-99-2	Benzo(b)fluoranthene	144.3	
207-08-9	Benzo(k)fluoranthene	158.4	
50-32-8	Benzo(a)pyrene	153.1	
193-39-5	Indeno(1,2,3-cd)pyrene	151.9	
53-70-3	Dibenz(a,h)anthracene	154.7	
191-24-2	Benzo(g,h,i)perylene	154.0	
367-12-4	2-Fluorophenol (S)	147.7	
13127-88-3	Phenol-d6 (S)	152.2	
4165-60-0	Nitrobenzene-d5 (S)	144.6	
321-60-8	2-Fluorobiphenyl (S)	148.2	
	2,4,6-Tribromophenol (S)	145.2	
98904-43-9	Terphenyl-d14 (S)	152.0	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\150ppm.D
Date : 08-APR-2009 12:56
Client ID:
Sample Info: 150ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\175ppm.D
Lab Smp Id: 175ppm
Inj Date : 08-APR-2009 13:16
Operator : KES Inst ID: 50MSS2.i
Smp Info : 175ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 10 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	316544	175.000	165.4(H)
	2 Pyridine	79	1.910	1.927	(0.355)	561107	175.000	171.1
$	3 2-Fluorophenol (S)	112	3.933	3.927	(0.731)	514038	175.000	168.9
	4 Benzaldehyde	77	4.910	4.910	(0.913)	173642	175.000	180.0
$	5 Phenol-d6 (S)	99	5.092	5.086	(0.946)	656519	175.000	171.6
	6 Phenol	94	5.110	5.098	(0.950)	669593	175.000	169.7
	7 bis(2-Chloroethyl)ether	93	5.169	5.157	(0.961)	508203	175.000	167.6
	8 2-Chlorophenol	128	5.198	5.192	(0.966)	590049	175.000	173.2
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	681764	175.000	171.6
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	106248	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	708619	175.000	172.6
	12 Benzyl Alcohol	108	5.580	5.574	(1.037)	345008	175.000	179.5
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	663437	175.000	173.2
	14 2-Methylphenol	108	5.733	5.721	(1.066)	535452	175.000	171.9
	15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	623100	175.000	153.0
	16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	623100	175.000	153.0
	17 Acetophenone	105	5.857	5.845	(1.089)	847762	175.000	171.9
	18 3&4-Methylphenol	108	5.892	5.880	(1.095)	567187	175.000	174.5
	19 N-Nitroso-di-n-propylamine	70	5.898	5.880	(1.096)	437111	175.000	163.5
	20 Hexachloroethane	117	5.916	5.915	(1.099)	283414	175.000	169.0
$	21 Nitrobenzene-d5 (S)	82	6.010	6.004	(0.896)	711820	175.000	165.7
	22 Nitrobenzene	77	6.027	6.021	(0.898)	690314	175.000	163.6(M)
	23 Isophorone	82	6.269	6.257	(0.934)	1226952	175.000	169.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.357	6.351	(0.947)	350850	175.000	175.0
	25 2,4-Dimethylphenol	122	6.421	6.409	(0.957)	525321	175.000	170.3
	26 bis(2-Chloroethoxy)methane	93	6.510	6.504	(0.970)	664448	175.000	164.4
	27 Benzoic Acid	122	6.586	6.486	(0.982)	304795	175.000	177.1
	28 2,4-Dichlorophenol	162	6.598	6.592	(0.983)	564325	175.000	179.1
	29 1,2,4-Trichlorobenzene	180	6.674	6.668	(0.995)	665173	175.000	172.3
*	30 Naphthalene-d8	136	6.710	6.704	(1.000)	406036	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.003)	1778270	175.000	173.2
	32 4-Chloroaniline	127	6.821	6.821	(1.017)	711163	175.000	171.4
	33 Hexachlorobutadiene	225	6.916	6.915	(1.031)	486842	175.000	174.7
	34 Caprolactam	113	7.204	7.162	(1.074)	200390	175.000	174.2(M)
	35 4-Chloro-3-methylphenol	107	7.327	7.315	(1.092)	563274	175.000	176.8(M)
	36 2-Methylnaphthalene	142	7.421	7.415	(1.106)	1313947	175.000	174.2
	37 Hexachlorocyclopentadiene	237	7.651	7.645	(0.903)	652575	175.000	181.1
	38 2,4,6-Trichlorophenol	196	7.745	7.739	(0.915)	485673	175.000	173.5
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	542032	175.000	174.4
$	40 2-Fluorobiphenyl (S)	172	7.816	7.803	(0.923)	1613785	175.000	168.2
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	1706094	175.000	170.4
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	1381259	175.000	170.3
	43 2-Nitroaniline	65	8.063	8.051	(0.952)	421698	175.000	167.6
	44 Dimethylphthalate	163	8.268	8.256	(0.976)	1607210	175.000	173.0
	45 Acenaphthylene	152	8.321	8.315	(0.983)	2109283	175.000	172.0
	46 2,6-Dinitrotoluene	165	8.339	8.327	(0.985)	372677	175.000	179.9(M)
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	266135	40.0000	
	48 3-Nitroaniline	138	8.474	8.462	(1.001)	376218	175.000	176.5
	49 Acenaphthene	153	8.504	8.498	(1.004)	1334352	175.000	172.6
	50 2,4-Dinitrophenol	184	8.574	8.562	(1.013)	270890	175.000	172.0
	51 4-Nitrophenol	109	8.657	8.645	(1.022)	295295	175.000	169.6
	52 Dibenzofuran	168	8.663	8.650	(1.023)	2004655	175.000	173.0
	53 2,4-Dinitrotoluene	165	8.721	8.709	(1.030)	505109	175.000	181.0
	54 Diethylphthalate	149	8.962	8.945	(1.058)	1651709	175.000	171.5
	55 Fluorene	166	8.998	8.992	(1.063)	1661808	175.000	172.7
	56 4-Chlorophenyl-phenylether	204	9.004	8.992	(1.063)	921425	175.000	176.7
	57 4-Nitroaniline	138	9.092	9.062	(1.074)	392014	175.000	172.9
	58 4,6-Dinitro-2-methylphenol	198	9.121	9.103	(0.920)	386381	175.000	170.0
	59 N-Nitrosodiphenylamine	169	9.133	9.121	(0.922)	1158022	175.000	175.7
	60 1,2-Diphenylhydrazine	77	9.157	9.145	(0.924)	1694190	175.000	162.0
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.250	(0.935)	426602	175.000	170.3
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	661303	175.000	183.1
	63 Hexachlorobenzene	284	9.621	9.609	(0.971)	860052	175.000	170.3
	64 Atrazine	200	9.698	9.680	(0.979)	376585	175.000	176.9
	65 Pentachlorophenol	266	9.804	9.792	(0.989)	496493	175.000	171.5
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	498682	40.0000	
	67 Phenanthrene	178	9.933	9.927	(1.002)	2468805	175.000	173.7
	68 Anthracene	178	9.980	9.968	(1.007)	2602816	175.000	176.0
	69 Carbazole	167	10.151	10.139	(1.024)	2344043	175.000	176.0
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	2867313	175.000	174.4
	71 Fluoranthene	202	11.109	11.097	(1.121)	3017610	175.000	180.0
	72 Benzidine	184	11.251	11.244	(1.135)	208537	175.000	204.8
	73 Pyrene	202	11.327	11.315	(1.143)	3141356	175.000	178.3
$	74 Terphenyl-d14 (S)	244	11.492	11.486	(1.160)	2470922	175.000	172.4
	75 Butylbenzylphthalate	149	12.003	11.997	(0.959)	1350621	175.000	168.5
	76 Benzo(a)anthracene	228	12.503	12.491	(0.999)	3320636	175.000	172.0
	77 3,3'-Dichlorobenzidine	252	12.509	12.497	(0.999)	968783	175.000	170.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.521	12.515	(1.000)	750627	40.0000	
79 Chrysene	228	12.550	12.538	(1.002)	3109798	175.000	167.7
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.574	(1.005)	1938651	175.000	166.3
81 Di-n-octylphthalate	149	13.150	13.138	(0.950)	3218036	175.000	173.7
82 Benzo(b)fluoranthene	252	13.515	13.497	(0.977)	3949216	175.000	182.3
83 Benzo(k)fluoranthene	252	13.539	13.515	(0.978)	3823438	175.000	165.1(MH)
84 Benzo(a)pyrene	252	13.797	13.780	(0.997)	3264263	175.000	172.6
* 85 Perylene-d12	264	13.839	13.827	(1.000)	662341	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.674	14.650	(1.060)	3952468	175.000	172.3
87 Dibenz(a,h)anthracene	278	14.674	14.656	(1.060)	3469545	175.000	176.0
88 Benzo(g,h,i)perylene	276	14.868	14.844	(1.074)	3147319	175.000	174.5

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 175ppm.D
Lab Smp Id: 175ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	106248	-1.18
30 Naphthalene-d8	397045	198523	794090	406036	2.26
47 Acenaphthene-d10	249088	124544	498176	266135	6.84
66 Phenanthrene-d10	451720	225860	903440	498682	10.40
78 Chrysene-d12	618598	309299	1237196	750627	21.34
85 Perylene-d12	555611	277806	1111222	662341	19.21

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.05
85 Perylene-d12	13.83	13.33	14.33	13.84	0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 175ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	165.4	
110-86-1	Pyridine	171.1	
100-52-7	Benzaldehyde	180.0	
108-95-2	Phenol	169.7	
111-44-4	bis(2-Chloroethyl)ether	167.6	
95-57-8	2-Chlorophenol	173.2	
541-73-1	1,3-Dichlorobenzene	171.6	
106-46-7	1,4-Dichlorobenzene	172.6	
100-51-6	Benzyl Alcohol	179.5	
95-50-1	1,2-Dichlorobenzene	173.2	
95-48-7	2-Methylphenol	171.9	
39638-32-9	bis(2-Chloroisopropyl)ether	153.0	
108-60-1	2,2'-Oxybis(1-chloropropane)	153.0	
98-86-2	Acetophenone	171.9	
	3&4-Methylphenol	174.5	
621-64-7	N-Nitroso-di-n-propylamine	163.5	
67-72-1	Hexachloroethane	169.0	
98-95-3	Nitrobenzene	163.6	
78-59-1	Isophorone	169.9	
88-75-5	2-Nitrophenol	175.0	
105-67-9	2,4-Dimethylphenol	170.3	
111-91-1	bis(2-Chloroethoxy)methane	164.4	
65-85-0	Benzoic Acid	177.1	
120-83-2	2,4-Dichlorophenol	179.1	
120-82-1	1,2,4-Trichlorobenzene	172.3	
91-20-3	Naphthalene	173.2	
106-47-8	4-Chloroaniline	171.4	
87-68-3	Hexachlorobutadiene	174.7	
10-60-2	Caprolactam	174.2	
59-50-7	4-Chloro-3-methylphenol	176.8	
91-57-6	2-Methylnaphthalene	174.2	
77-47-4	Hexachlorocyclopentadiene	181.1	
88-06-2	2,4,6-Trichlorophenol	173.5	
95-95-4	2,4,5-Trichlorophenol	174.4	
92-52-4	Biphenyl (Diphenyl)	170.4	
91-58-7	2-Chloronaphthalene	170.3	
88-74-4	2-Nitroaniline	167.6	
131-11-3	Dimethylphthalate	173.0	
208-96-8	Acenaphthylene	172.0	
606-20-2	2,6-Dinitrotoluene	179.9	
99-09-2	3-Nitroaniline	176.5	
83-32-9	Acenaphthene	172.6	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 175ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

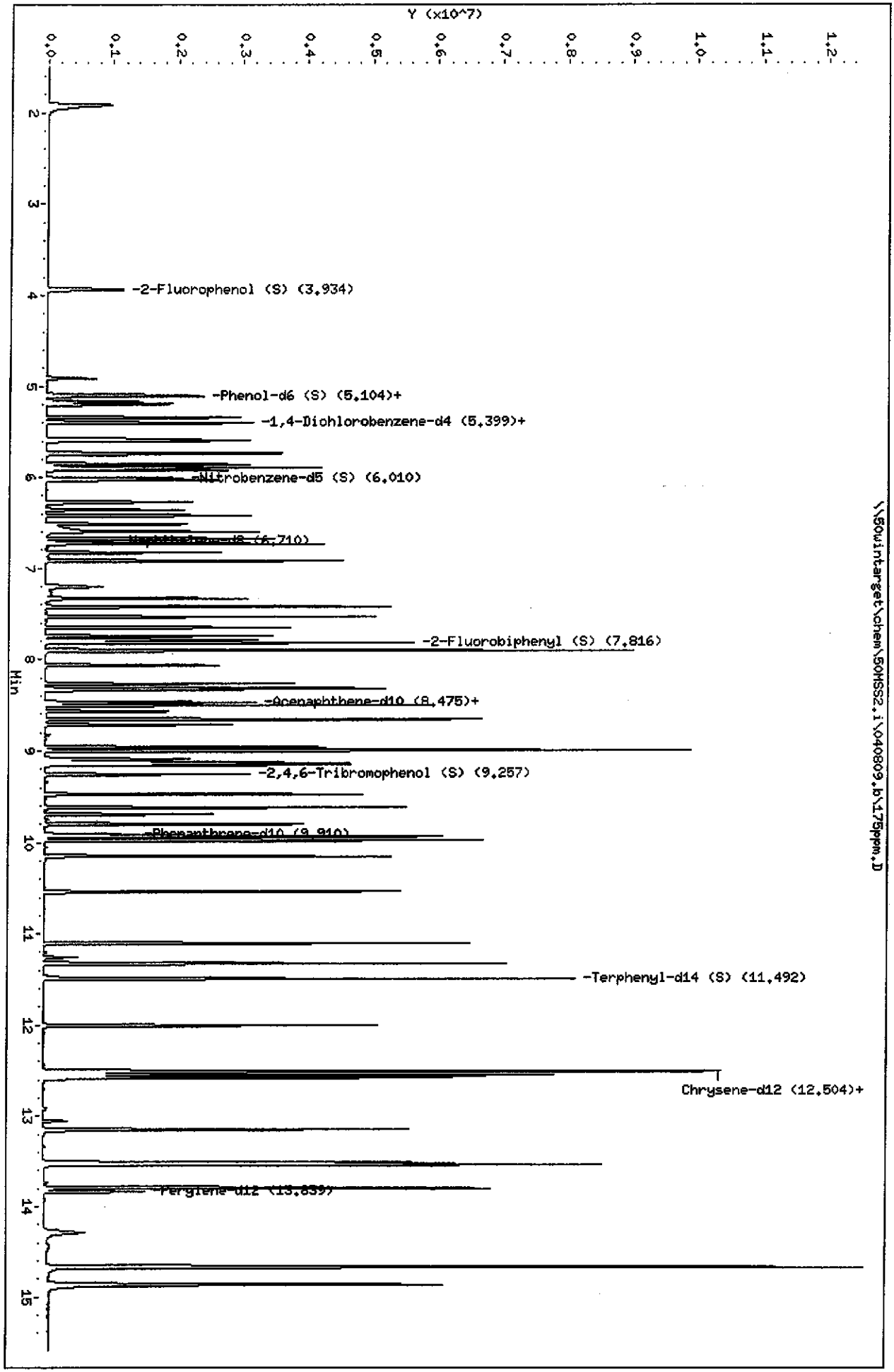
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	172.0	
100-02-7	4-Nitrophenol	169.6	
132-64-9	Dibenzofuran	173.0	
121-14-2	2,4-Dinitrotoluene	181.0	
84-66-2	Diethylphthalate	171.5	
86-73-7	Fluorene	172.7	
7005-72-3	4-Chlorophenyl-phenylether	176.7	
100-01-6	4-Nitroaniline	172.9	
534-52-1	4,6-Dinitro-2-methylphenol	170.0	
86-30-6	N-Nitrosodiphenylamine	175.7	
122-66-7	1,2-Diphenylhydrazine	162.0	
101-55-3	4-Bromophenyl-phenylether	183.1	
118-74-1	Hexachlorobenzene	170.3	
1912-24-9	Atrazine	176.9	
87-86-5	Pentachlorophenol	171.5	
85-01-8	Phenanthrene	173.7	
120-12-7	Anthracene	176.0	
86-74-8	Carbazole	176.0	
84-74-2	Di-n-butylphthalate	174.4	
206-44-0	Fluoranthene	180.0	
92-87-5	Benzidine	204.8	
129-00-0	Pyrene	178.3	
85-68-7	Butylbenzylphthalate	168.5	
56-55-3	Benzo(a)anthracene	172.0	
91-94-1	3,3'-Dichlorobenzidine	170.6	
218-01-9	Chrysene	167.7	
117-81-7	bis(2-Ethylhexyl)phthalate	166.3	
117-84-0	Di-n-octylphthalate	173.7	
205-99-2	Benzo(b)fluoranthene	182.3	
207-08-9	Benzo(k)fluoranthene	165.1	
50-32-8	Benzo(a)pyrene	172.6	
193-39-5	Indeno(1,2,3-cd)pyrene	172.3	
53-70-3	Dibenz(a,h)anthracene	176.0	
191-24-2	Benzo(g,h,i)perylene	174.5	
367-12-4	2-Fluorophenol (S)	168.9	
13127-88-3	Phenol-d6 (S)	171.6	
4165-60-0	Nitrobenzene-d5 (S)	165.7	
321-60-8	2-Fluorobiphenyl (S)	168.2	
	2,4,6-Tribromophenol (S)	170.3	
98904-43-9	Terphenyl-d14 (S)	172.4	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\175ppm.D
Date : 08-APR-2009 13:16
Client ID:
Sample Info: 175ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\200ppm.D
Lab Smp Id: 200ppm
Inj Date : 08-APR-2009 13:36
Operator : KES Inst ID: 50MSS2.i
Smp Info : 200ppm
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 16-Apr-2009 12:19 50MSS2.i Quant Type: ISTD
Cal Date : 02-APR-2009 16:00 Cal File: 5ppm.D
Als bottle: 11 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	1.910	1.910	(0.355)	374977	200.000	201.8(H)
	2 Pyridine	79	1.916	1.927	(0.356)	665355	200.000	209.0
$	3 2-Fluorophenol (S)	112	3.933	3.927	(0.731)	603376	200.000	204.3
	4 Benzaldehyde	77	4.910	4.910	(0.913)	208782	200.000	223.0
$	5 Phenol-d6 (S)	99	5.098	5.086	(0.948)	763238	200.000	205.4
	6 Phenol	94	5.110	5.098	(0.950)	773897	200.000	202.1
	7 bis(2-Chloroethyl)ether	93	5.169	5.157	(0.961)	589827	200.000	200.3
	8 2-Chlorophenol	128	5.198	5.192	(0.966)	691449	200.000	209.1
	9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	812537	200.000	210.7
*	10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	103139	40.0000	
	11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	843639	200.000	211.7
	12 Benzyl Alcohol	108	5.580	5.574	(1.037)	402942	200.000	216.0
	13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	775181	200.000	208.5
	14 2-Methylphenol	108	5.739	5.721	(1.067)	616676	200.000	204.0
	15 bis(2-Chloroisopropyl)ether	45	5.745	5.739	(1.068)	703447	200.000	177.9
	16 2,2'-Oxybis(1-chloropropane)	45	5.745	5.739	(1.068)	703447	200.000	177.9
	17 Acetophenone	105	5.857	5.845	(1.089)	976872	200.000	204.1
	18 3&4-Methylphenol	108	5.892	5.880	(1.095)	648650	200.000	205.6
	19 N-Nitroso-di-n-propylamine	70	5.898	5.880	(1.096)	495498	200.000	190.9
	20 Hexachloroethane	117	5.916	5.915	(1.099)	334138	200.000	205.3
$	21 Nitrobenzene-d5 (S)	82	6.010	6.004	(0.896)	826551	200.000	202.0
	22 Nitrobenzene	77	6.027	6.021	(0.898)	795604	200.000	198.0
	23 Isophorone	82	6.268	6.257	(0.934)	1406710	200.000	204.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	24 2-Nitrophenol	139	6.357	6.351	(0.947)	405868	200.000	212.6
	25 2,4-Dimethylphenol	122	6.421	6.409	(0.957)	607868	200.000	207.0
	26 bis(2-Chloroethoxy)methane	93	6.516	6.504	(0.971)	771516	200.000	200.5
	27 Benzoic Acid	122	6.592	6.486	(0.982)	328700	200.000	198.1
	28 2,4-Dichlorophenol	162	6.598	6.592	(0.983)	651726	200.000	217.2
	29 1,2,4-Trichlorobenzene	180	6.674	6.668	(0.995)	777662	200.000	211.5
*	30 Naphthalene-d8	136	6.710	6.704	(1.000)	386614	40.0000	
	31 Naphthalene	128	6.727	6.721	(1.003)	2053468	200.000	210.0
	32 4-Chloroaniline	127	6.827	6.821	(1.018)	798965	200.000	202.2
	33 Hexachlorobutadiene	225	6.915	6.915	(1.031)	575001	200.000	216.7
	34 Caprolactam	113	7.210	7.162	(1.075)	220783	200.000	201.3(M)
	35 4-Chloro-3-methylphenol	107	7.333	7.315	(1.093)	643618	200.000	212.2
	36 2-Methylnaphthalene	142	7.421	7.415	(1.106)	1518729	200.000	211.5
	37 Hexachlorocyclopentadiene	237	7.651	7.645	(0.903)	760642	200.000	229.0
	38 2,4,6-Trichlorophenol	196	7.745	7.739	(0.915)	558462	200.000	216.5
	39 2,4,5-Trichlorophenol	196	7.786	7.780	(0.919)	621502	200.000	217.0
$	40 2-Fluorobiphenyl (S)	172	7.815	7.803	(0.923)	1880730	200.000	212.7
	41 Biphenyl (Diphenyl)	154	7.898	7.892	(0.933)	1915973	200.000	207.7
	42 2-Chloronaphthalene	162	7.904	7.898	(0.933)	1560363	200.000	208.8
	43 2-Nitroaniline	65	8.062	8.051	(0.952)	466258	200.000	201.0
	44 Dimethylphthalate	163	8.268	8.256	(0.976)	1805803	200.000	210.9
	45 Acenaphthylene	152	8.321	8.315	(0.983)	2412864	200.000	213.5
	46 2,6-Dinitrotoluene	165	8.339	8.327	(0.985)	413813	200.000	216.7(M)
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	245252	40.0000	
	48 3-Nitroaniline	138	8.474	8.462	(1.001)	420184	200.000	213.9
	49 Acenaphthene	153	8.504	8.498	(1.004)	1511861	200.000	212.2
	50 2,4-Dinitrophenol	184	8.574	8.562	(1.013)	299043	200.000	204.4
	51 4-Nitrophenol	109	8.657	8.645	(1.022)	325006	200.000	202.4
	52 Dibenzofuran	168	8.662	8.650	(1.023)	2261861	200.000	211.9
	53 2,4-Dinitrotoluene	165	8.721	8.709	(1.030)	569195	200.000	221.3
	54 Diethylphthalate	149	8.962	8.945	(1.058)	1832200	200.000	206.4
	55 Fluorene	166	8.998	8.992	(1.063)	1877937	200.000	211.7
	56 4-Chlorophenyl-phenylether	204	9.004	8.992	(1.063)	1045292	200.000	217.6
	57 4-Nitroaniline	138	9.098	9.062	(1.074)	423141	200.000	202.2
	58 4,6-Dinitro-2-methylphenol	198	9.121	9.103	(0.920)	427904	200.000	207.1
	59 N-Nitrosodiphenylamine	169	9.139	9.121	(0.922)	1309909	200.000	219.6
	60 1,2-Diphenylhydrazine	77	9.157	9.145	(0.924)	1965293	200.000	207.6
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.250	(0.935)	484346	200.000	212.1
	62 4-Bromophenyl-phenylether	248	9.474	9.468	(0.956)	749362	200.000	229.3
	63 Hexachlorobenzene	284	9.621	9.609	(0.971)	957196	200.000	208.5
	64 Atrazine	200	9.698	9.680	(0.979)	409840	200.000	212.7
	65 Pentachlorophenol	266	9.804	9.792	(0.989)	548233	200.000	207.6
*	66 Phenanthrene-d10	188	9.909	9.903	(1.000)	451321	40.0000	
	67 Phenanthrene	178	9.939	9.927	(1.003)	2723454	200.000	211.7
	68 Anthracene	178	9.980	9.968	(1.007)	2849458	200.000	212.9
	69 Carbazole	167	10.156	10.139	(1.025)	2588895	200.000	214.7
	70 Di-n-butylphthalate	149	10.539	10.533	(1.064)	3130335	200.000	210.4
	71 Fluoranthene	202	11.109	11.097	(1.121)	3255949	200.000	214.6
	72 Benzidine	184	11.250	11.244	(1.135)	208802	200.000	226.2
	73 Pyrene	202	11.327	11.315	(1.143)	3440801	200.000	215.8
$	74 Terphenyl-d14 (S)	244	11.492	11.486	(1.160)	2635838	200.000	202.8
	75 Butylbenzylphthalate	149	12.009	11.997	(0.959)	1425277	200.000	210.1
	76 Benzo(a)anthracene	228	12.503	12.491	(0.999)	3434248	200.000	210.3
	77 3,3'-Dichlorobenzidine	252	12.509	12.497	(0.999)	1013077	200.000	210.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 78 Chrysene-d12	240	12.521	12.515	(1.000)	635194	40.0000	
79 Chrysene	228	12.550	12.538	(1.002)	3258365	200.000	207.7
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.574	(1.005)	2039278	200.000	206.7
81 Di-n-octylphthalate	149	13.150	13.138	(0.951)	3310333	200.000	218.3
82 Benzo(b)fluoranthene	252	13.515	13.497	(0.977)	4119064	200.000	231.9
83 Benzo(k)fluoranthene	252	13.539	13.515	(0.979)	3868159	200.000	204.0(MH)
84 Benzo(a)pyrene	252	13.797	13.780	(0.997)	3332258	200.000	215.2
* 85 Perylene-d12	264	13.833	13.827	(1.000)	541494	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.674	14.650	(1.061)	4117037	200.000	218.7
87 Dibenz(a,h)anthracene	278	14.674	14.656	(1.061)	3650517	200.000	225.6
88 Benzo(g,h,i)perylene	276	14.868	14.844	(1.075)	3349437	200.000	226.6

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 200ppm.D
Lab Smp Id: 200ppm
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	103139	-4.07
30 Naphthalene-d8	397045	198523	794090	386614	-2.63
47 Acenaphthene-d10	249088	124544	498176	245252	-1.54
66 Phenanthrene-d10	451720	225860	903440	451321	-0.09
78 Chrysene-d12	618598	309299	1237196	635194	2.68
85 Perylene-d12	555611	277806	1111222	541494	-2.54

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	0.05
85 Perylene-d12	13.83	13.33	14.33	13.83	0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	201.8	
110-86-1	Pyridine	209.0	
100-52-7	Benzaldehyde	223.0	
108-95-2	Phenol	202.1	
111-44-4	bis(2-Chloroethyl)ether	200.3	
95-57-8	2-Chlorophenol	209.1	
541-73-1	1,3-Dichlorobenzene	210.7	
106-46-7	1,4-Dichlorobenzene	211.7	
100-51-6	Benzyl Alcohol	216.0	
95-50-1	1,2-Dichlorobenzene	208.5	
95-48-7	2-Methylphenol	204.0	
39638-32-9	bis(2-Chloroisopropyl)ether	177.9	
108-60-1	2,2'-Oxybis(1-chloropropane)	177.9	
98-86-2	Acetophenone	204.1	
	3&4-Methylphenol	205.6	
621-64-7	N-Nitroso-di-n-propylamine	190.9	
67-72-1	Hexachloroethane	205.3	
98-95-3	Nitrobenzene	198.0	
78-59-1	Isophorone	204.6	
88-75-5	2-Nitrophenol	212.6	
105-67-9	2,4-Dimethylphenol	207.0	
111-91-1	bis(2-Chloroethoxy)methane	200.5	
65-85-0	Benzoic Acid	198.1	
120-83-2	2,4-Dichlorophenol	217.2	
120-82-1	1,2,4-Trichlorobenzene	211.5	
91-20-3	Naphthalene	210.0	
106-47-8	4-Chloroaniline	202.2	
87-68-3	Hexachlorobutadiene	216.7	
10-60-2	Caprolactam	201.3	
59-50-7	4-Chloro-3-methylphenol	212.2	
91-57-6	2-Methylnaphthalene	211.5	
77-47-4	Hexachlorocyclopentadiene	229.0	
88-06-2	2,4,6-Trichlorophenol	216.5	
95-95-4	2,4,5-Trichlorophenol	217.0	
92-52-4	Biphenyl (Diphenyl)	207.7	
91-58-7	2-Chloronaphthalene	208.8	
88-74-4	2-Nitroaniline	201.0	
131-11-3	Dimethylphthalate	210.9	
208-96-8	Acenaphthylene	213.5	
606-20-2	2,6-Dinitrotoluene	216.7	
99-09-2	3-Nitroaniline	213.9	
83-32-9	Acenaphthene	212.2	

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 200ppm
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

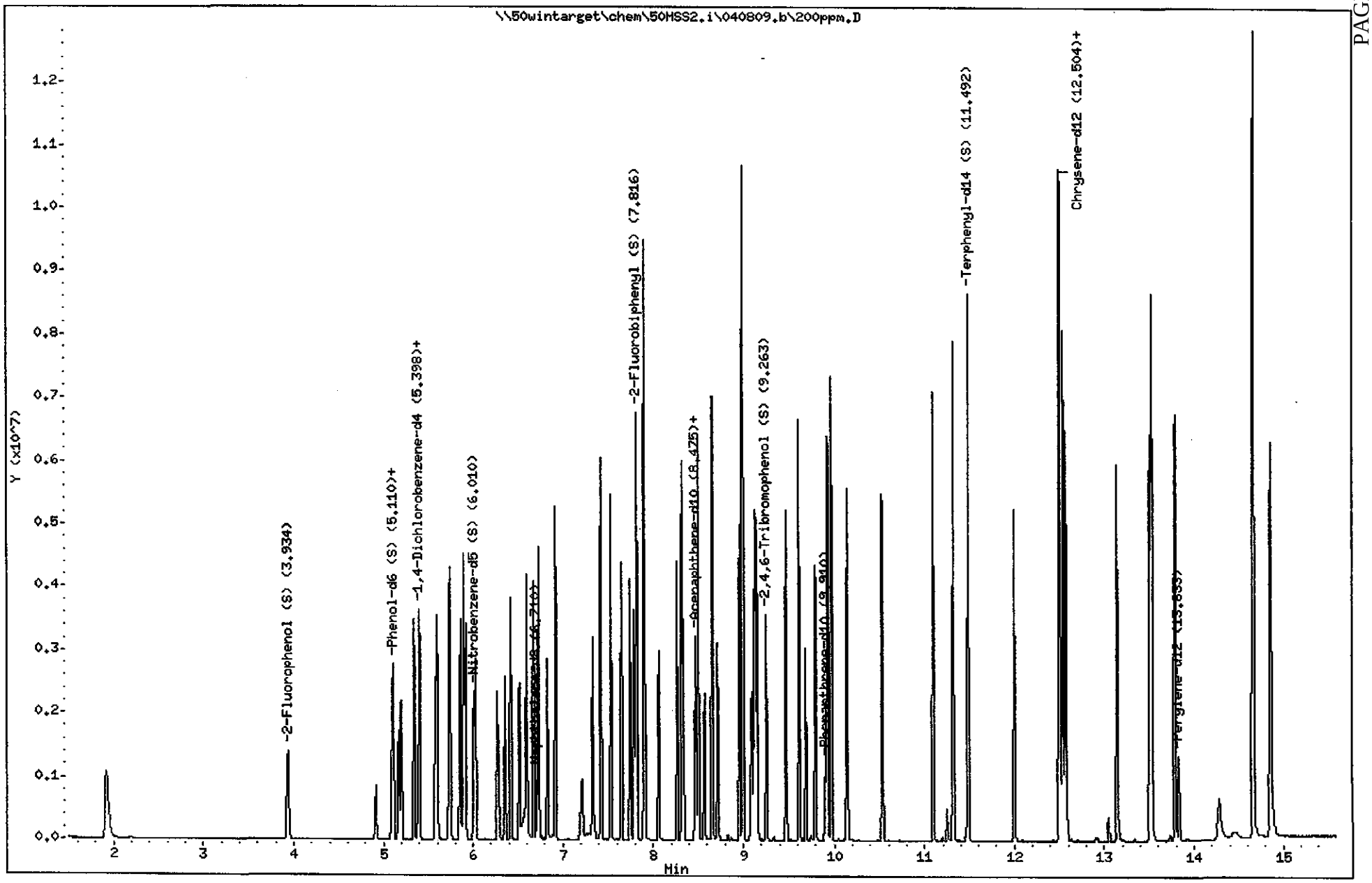
Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
51-28-5	2,4-Dinitrophenol	204.4	
100-02-7	4-Nitrophenol	202.4	
132-64-9	Dibenzofuran	211.9	
121-14-2	2,4-Dinitrotoluene	221.3	
84-66-2	Diethylphthalate	206.4	
86-73-7	Fluorene	211.7	
7005-72-3	4-Chlorophenyl-phenylether	217.6	
100-01-6	4-Nitroaniline	202.2	
534-52-1	4,6-Dinitro-2-methylphenol	207.1	
86-30-6	N-Nitrosodiphenylamine	219.6	
122-66-7	1,2-Diphenylhydrazine	207.6	
101-55-3	4-Bromophenyl-phenylether	229.3	
118-74-1	Hexachlorobenzene	208.5	
1912-24-9	Atrazine	212.7	
87-86-5	Pentachlorophenol	207.6	
85-01-8	Phenanthrene	211.7	
120-12-7	Anthracene	212.9	
86-74-8	Carbazole	214.7	
84-74-2	Di-n-butylphthalate	210.4	
206-44-0	Fluoranthene	214.6	
92-87-5	Benzidine	226.2	
129-00-0	Pyrene	215.8	
85-68-7	Butylbenzylphthalate	210.1	
56-55-3	Benzo(a)anthracene	210.3	
91-94-1	3,3'-Dichlorobenzidine	210.8	
218-01-9	Chrysene	207.7	
117-81-7	bis(2-Ethylhexyl)phthalate	206.7	
117-84-0	Di-n-octylphthalate	218.3	
205-99-2	Benzo(b)fluoranthene	231.9	
207-08-9	Benzo(k)fluoranthene	204.0	
50-32-8	Benzo(a)pyrene	215.2	
193-39-5	Indeno(1,2,3-cd)pyrene	218.7	
53-70-3	Dibenz(a,h)anthracene	225.6	
191-24-2	Benzo(g,h,i)perylene	226.6	
367-12-4	2-Fluorophenol (S)	204.3	
13127-88-3	Phenol-d6 (S)	205.4	
4165-60-0	Nitrobenzene-d5 (S)	202.0	
321-60-8	2-Fluorobiphenyl (S)	212.7	
	2,4,6-Tribromophenol (S)	212.1	
98904-43-9	Terphenyl-d14 (S)	202.8	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\200ppm.D
Date : 08-APR-2009 13:36
Client ID:
Sample Info: 200ppm
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Lab Smp Id: h057k
Inj Date : 08-APR-2009 15:46
Operator : KES Inst ID: 50MSS2.i
Smp Info : h057k
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Meth Date : 30-Apr-2009 12:33 tsheingold Quant Type: ISTD
Cal Date : 08-APR-2009 11:15 Cal File: 5ppm.D
Als bottle: 12 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

OK. 809 4/30/09

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
1 N-Nitrosodimethylamine	42	1.916	1.910	(0.356)	229872	109.010	109.0(H)
$ 3 2-Fluorophenol (S)	112	3.945	3.927	(0.733)	382902	114.225	114.2(R)
$ 5 Phenol-d6 (S)	99	5.098	5.092	(0.948)	453923	107.666	107.7(R)
6 Phenol	94	5.115	5.104	(0.951)	487788	112.228	112.2
7 bis(2-Chloroethyl)ether	93	5.162	5.163	(0.960)	349124	104.482	104.5
8 2-Chlorophenol	128	5.198	5.192	(0.966)	418066	111.397	111.4
9 1,3-Dichlorobenzene	146	5.339	5.339	(0.992)	475681	108.710	108.7
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.380	(1.000)	117050	40.0000	
11 1,4-Dichlorobenzene	146	5.398	5.398	(1.003)	479568	106.036	106.0
12 Benzyl Alcohol	108	5.580	5.574	(1.037)	160878	75.9814	75.98
13 1,2-Dichlorobenzene	146	5.598	5.598	(1.040)	458687	108.713	108.7
14 2-Methylphenol	108	5.733	5.733	(1.066)	360950	105.194	105.2
15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.067)	460521	102.650	102.6
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.067)	460521	102.650	102.6
18 3&4-Methylphenol	108	5.886	5.886	(1.094)	375001	104.712	104.7
19 N-Nitroso-di-n-propylamine	70	5.892	5.886	(1.095)	281137	95.4490	95.45
20 Hexachloroethane	117	5.915	5.915	(1.099)	197785	107.084	107.1
$ 21 Nitrobenzene-d5 (S)	82	6.003	6.004	(0.895)	455721	99.3573	99.36
22 Nitrobenzene	77	6.027	6.021	(0.898)	458501	101.773	101.8
23 Isophorone	82	6.268	6.263	(0.934)	631437	81.9049	81.90
24 2-Nitrophenol	139	6.351	6.351	(0.947)	235563	110.044	110.0
25 2,4-Dimethylphenol	122	6.415	6.415	(0.956)	368906	112.036	112.0
26 bis(2-Chloroethoxy)methane	93	6.509	6.510	(0.970)	442716	102.594	102.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	27 Benzoic Acid	122	6.586	6.563	(0.982)	224678	126.816	126.8
	28 2,4-Dichlorophenol	162	6.598	6.592	(0.983)	376415	111.909	111.9
	29 1,2,4-Trichlorobenzene	180	6.668	6.668	(0.994)	433452	105.160	105.2
*	30 Naphthalene-d8	136	6.709	6.704	(1.000)	433486	40.0000	
	31 Naphthalene	128	6.727	6.727	(1.003)	1169486	106.690	106.7
	33 Hexachlorobutadiene	225	6.915	6.915	(1.031)	341912	114.923	114.9
	35 4-Chloro-3-methylphenol	107	7.321	7.321	(1.091)	361605	106.336	106.3
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	804110	99.8719	99.87
	37 Hexachlorocyclopentadiene	237	7.645	7.645	(0.903)	274540	82.8984	82.90
	38 2,4,6-Trichlorophenol	196	7.739	7.739	(0.914)	304398	118.325	118.3
	39 2,4,5-Trichlorophenol	196	7.780	7.786	(0.919)	333453	116.754	116.8
$	40 2-Fluorobiphenyl (S)	172	7.809	7.809	(0.922)	928109	105.246	105.2
	42 2-Chloronaphthalene	162	7.903	7.904	(0.933)	788142	105.758	105.8
	43 2-Nitroaniline	65	8.056	8.057	(0.951)	258429	111.736	111.7
	44 Dimethylphthalate	163	8.262	8.262	(0.976)	867793	101.618	101.6
	45 Acenaphthylene	152	8.315	8.315	(0.982)	1220429	108.265	108.3
	46 2,6-Dinitrotoluene	165	8.333	8.333	(0.984)	202478	106.333	106.3
*	47 Acenaphthene-d10	164	8.468	8.468	(1.000)	244588	40.0000	
	48 3-Nitroaniline	138	8.468	8.468	(1.000)	212881	108.674	108.7
	49 Acenaphthene	153	8.503	8.498	(1.004)	773760	108.891	108.9
	50 2,4-Dinitrophenol	184	8.568	8.562	(1.012)	146873	104.773	104.8
	51 4-Nitrophenol	109	8.650	8.645	(1.022)	166446	104.268	104.3
	52 Dibenzofuran	168	8.656	8.656	(1.022)	1146258	107.664	107.7
	53 2,4-Dinitrotoluene	165	8.715	8.715	(1.029)	271941	106.009	106.0
	54 Diethylphthalate	149	8.956	8.951	(1.058)	852716	96.3317	96.33
	55 Fluorene	166	8.997	8.992	(1.063)	929725	105.117	105.1
	56 4-Chlorophenyl-phenylether	204	8.997	8.998	(1.063)	495652	103.446	103.4
	57 4-Nitroaniline	138	9.080	9.080	(1.072)	210381	101.776	101.8
	58 4,6-Dinitro-2-methylphenol	198	9.109	9.109	(0.919)	194803	99.6255	99.62
	59 N-Nitrosodiphenylamine	169	9.127	9.127	(0.921)	654421	113.343	113.3
	60 1,2-Diphenylhydrazine	77	9.150	9.151	(0.923)	982024	107.161	107.2(R)
$	61 2,4,6-Tribromophenol (S)	330	9.256	9.256	(0.934)	188995	89.2306	89.23
	62 4-Bromophenyl-phenylether	248	9.474	9.474	(0.956)	293973	92.9301	92.93
	63 Hexachlorobenzene	284	9.615	9.615	(0.970)	403967	93.1203	93.12
	65 Pentachlorophenol	266	9.797	9.798	(0.989)	255474	103.699	103.7
*	66 Phenanthrene-d10	188	9.909	9.909	(1.000)	436859	40.0000	
	67 Phenanthrene	178	9.933	9.933	(1.002)	1324855	106.388	106.4
	68 Anthracene	178	9.974	9.974	(1.007)	1288055	99.4264	99.43
	69 Carbazole	167	10.150	10.151	(1.024)	1234678	105.807	105.8
	70 Di-n-butylphthalate	149	10.538	10.539	(1.064)	1422176	98.7579	98.76
	71 Fluoranthene	202	11.103	11.103	(1.120)	1474323	100.380	100.4
	72 Benzidine	184	11.250	11.250	(1.135)	62066	71.7057	71.70
	73 Pyrene	202	11.321	11.321	(1.142)	1534675	99.4432	99.44
$	74 Terphenyl-d14 (S)	244	11.485	11.486	(1.159)	1259502	101.426	101.4
	75 Butylbenzylphthalate	149	12.003	12.003	(0.959)	646526	111.397	111.4
	76 Benzo(a)anthracene	228	12.503	12.497	(0.999)	1605461	114.871	114.9
	77 3,3'-Dichlorobenzidine	252	12.503	12.503	(0.999)	664408	161.567	161.6
*	78 Chrysene-d12	240	12.515	12.515	(1.000)	543542	40.0000	
	79 Chrysene	228	12.544	12.544	(1.002)	1476886	110.019	110.0
	80 bis(2-Ethylhexyl)phthalate	149	12.574	12.574	(1.005)	892045	105.682	105.7
	81 Di-n-octylphthalate	149	13.144	13.144	(0.950)	1460048	101.087	101.1
	82 Benzo(b)fluoranthene	252	13.509	13.509	(0.977)	1919593	114.090	114.1
	83 Benzo(k)fluoranthene	252	13.532	13.527	(0.978)	1725291	95.8171	95.82(MH)
	84 Benzo(a)pyrene	252	13.785	13.786	(0.997)	1500355	101.991	102.0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
* 85 Perylene-d12	264	13.832	13.833	(1.000)	518316	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.662	14.662	(1.060)	2166554	121.514	121.5
87 Dibenz(a,h)anthracene	278	14.668	14.668	(1.060)	1888485	123.399	123.4
88 Benzo(g,h,i)perylene	276	14.862	14.856	(1.074)	1707136	121.560	121.6

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: icv-b.D
Lab Smp Id: h057k
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	117050	8.86
30 Naphthalene-d8	397045	198523	794090	433486	9.18
47 Acenaphthene-d10	249088	124544	498176	244588	-1.81
66 Phenanthrene-d10	451720	225860	903440	436859	-3.29
78 Chrysene-d12	618598	309299	1237196	543542	-12.13
85 Perylene-d12	555611	277806	1111222	518316	-6.71

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.38	-0.00
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.08
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.00
66 Phenanthrene-d10	9.91	9.41	10.41	9.91	-0.00
78 Chrysene-d12	12.52	12.02	13.02	12.52	-0.00
85 Perylene-d12	13.83	13.33	14.33	13.83	-0.00

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: h057k
Level: LOW
Data Type: MS DATA
SpikeList File: icv.spk
Sublist File: all.sub
Method File: \\50wintarget\chem\50MSS2.i\040809.b\8270t.m
Misc Info:

Client SDG: 040809.b
Fraction: SV

Operator: KES
SampleType: LCS
Quant Type: ISTD

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1 N-Nitrosodimethyla	100.0	109.0	109.01	70-130
6 Phenol	100.0	112.2	112.23	70-130
7 bis(2-Chloroethyl)	100.0	104.5	104.48	70-130
8 2-Chlorophenol	100.0	111.4	111.40	70-130
9 1,3-Dichlorobenzen	100.0	108.7	108.71	70-130
11 1,4-Dichlorobenzen	100.0	106.0	106.04	70-130
13 1,2-Dichlorobenzen	100.0	108.7	108.71	70-130
14 2-Methylphenol	100.0	105.2	105.19	70-130
15 bis(2-Chloroisopro	100.0	102.6	102.65	70-130
18 3&4-Methylphenol	100.0	104.7	104.71	70-130
19 N-Nitroso-di-n-pro	100.0	95.45	95.45	70-130
20 Hexachloroethane	100.0	107.1	107.08	70-130
22 Nitrobenzene	100.0	101.8	101.77	70-130
23 Isophorone	100.0	81.90	81.90	70-130
24 2-Nitrophenol	100.0	110.0	110.04	70-130
25 2,4-Dimethylphenol	100.0	112.0	112.04	70-130
26 bis(2-Chloroethoxy	100.0	102.6	102.59	70-130
28 2,4-Dichlorophenol	100.0	111.9	111.91	70-130
29 1,2,4-Trichloroben	100.0	105.2	105.16	70-130
31 Naphthalene	100.0	106.7	106.69	70-130
32 4-Chloroaniline	100.0	0.000	*	70-130
33 Hexachlorobutadien	100.0	114.9	114.92	70-130
35 4-Chloro-3-methylp	100.0	106.3	106.34	70-130
36 2-Methylnaphthalen	100.0	99.87	99.87	70-130
37 Hexachlorocyclopen	100.0	82.90	82.90	70-130
38 2,4,6-Trichlorophe	100.0	118.3	118.33	70-130
42 2-Chloronaphthalen	100.0	105.8	105.76	70-130
43 2-Nitroaniline	100.0	111.7	111.74	70-130
44 Dimethylphthalate	100.0	101.6	101.62	70-130
46 2,6-Dinitrotoluene	100.0	106.3	106.33	70-130
45 Acenaphthylene	100.0	108.3	108.27	70-130
48 3-Nitroaniline	100.0	108.7	108.67	70-130
49 Acenaphthene	100.0	108.9	108.89	70-130
50 2,4-Dinitrophenol	100.0	104.8	104.77	70-130
51 4-Nitrophenol	100.0	104.3	104.27	70-130
53 2,4-Dinitrotoluene	100.0	106.0	106.01	70-130
52 Dibenzofuran	100.0	107.7	107.66	70-130
54 Diethylphthalate	100.0	96.33	96.33	70-130
55 Fluorene	100.0	105.1	105.12	70-130
56 4-Chlorophenyl-phe	100.0	103.4	103.45	70-130

OK
BS
4/30/09

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
57 4-Nitroaniline	100.0	101.8	101.78	70-130
58 4,6-Dinitro-2-meth	100.0	99.62	99.63	70-130
60 1,2-Diphenylhydraz	50.00	107.2	214.32*	70-130
62 4-Bromophenyl-phen	100.0	92.93	92.93	70-130
63 Hexachlorobenzene	100.0	93.12	93.12	70-130
65 Pentachlorophenol	100.0	103.7	103.70	70-130
67 Phenanthrene	100.0	106.4	106.39	70-130
68 Anthracene	100.0	99.43	99.43	70-130
69 Carbazole	100.0	105.8	105.81	70-130
70 Di-n-butylphthalat	100.0	98.76	98.76	70-130
71 Fluoranthene	100.0	100.4	100.38	70-130
73 Pyrene	100.0	99.44	99.44	70-130
75 Butylbenzylphthala	100.0	111.4	111.40	70-130
80 bis(2-Ethylhexyl)p	100.0	105.7	105.68	70-130
76 Benzo(a)anthracene	100.0	114.9	114.87	70-130
79 Chrysene	100.0	110.0	110.02	70-130
81 Di-n-octylphthalat	100.0	101.1	101.09	70-130
82 Benzo(b)fluoranthe	100.0	114.1	114.09	70-130
83 Benzo(k)fluoranthe	100.0	95.82	95.82	70-130
84 Benzo(a)pyrene	100.0	102.0	101.99	70-130
86 Indeno(1,2,3-cd)py	100.0	121.5	121.51	70-130
87 Dibenz(a,h)anthrac	100.0	123.4	123.40	70-130
88 Benzo(g,h,i)peryle	100.0	121.6	121.56	70-130

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	114.2	114.23*	25-78
$ 5 Phenol-d6 (S)	100.0	107.7	107.67*	13-80
$ 21 Nitrobenzene-d5 (S	100.0	99.36	99.36	38-129
$ 40 2-Fluorobiphenyl (	100.0	105.2	105.25	39-128
$ 61 2,4,6-Tribromophen	100.0	89.23	89.23	35-130
$ 74 Terphenyl-d14 (S)	100.0	101.4	101.43	31-130

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: h057k
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

Client SDG: 040809.b

Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	109.0	
108-95-2	Phenol	112.2	
111-44-4	bis(2-Chloroethyl)ether	104.5	
95-57-8	2-Chlorophenol	111.4	
541-73-1	1,3-Dichlorobenzene	108.7	
106-46-7	1,4-Dichlorobenzene	106.0	
100-51-6	Benzyl Alcohol	75.98	
95-50-1	1,2-Dichlorobenzene	108.7	
95-48-7	2-Methylphenol	105.2	
39638-32-9	bis(2-Chloroisopropyl)ether	102.6	
108-60-1	2,2'-Oxybis(1-chloropropane)	102.6	
	3&4-Methylphenol	104.7	
621-64-7	N-Nitroso-di-n-propylamine	95.45	
67-72-1	Hexachloroethane	107.1	
98-95-3	Nitrobenzene	101.8	
78-59-1	Isophorone	81.90	
88-75-5	2-Nitrophenol	110.0	
105-67-9	2,4-Dimethylphenol	112.0	
111-91-1	bis(2-Chloroethoxy)methane	102.6	
65-85-0	Benzoic Acid	126.8	
120-83-2	2,4-Dichlorophenol	111.9	
120-82-1	1,2,4-Trichlorobenzene	105.2	
91-20-3	Naphthalene	106.7	
87-68-3	Hexachlorobutadiene	114.9	
59-50-7	4-Chloro-3-methylphenol	106.3	
91-57-6	2-Methylnaphthalene	99.87	
77-47-4	Hexachlorocyclopentadiene	82.90	
88-06-2	2,4,6-Trichlorophenol	118.3	
95-95-4	2,4,5-Trichlorophenol	116.8	
91-58-7	2-Chloronaphthalene	105.8	
88-74-4	2-Nitroaniline	111.7	
131-11-3	Dimethylphthalate	101.6	
208-96-8	Acenaphthylene	108.3	
606-20-2	2,6-Dinitrotoluene	106.3	
99-09-2	3-Nitroaniline	108.7	
83-32-9	Acenaphthene	108.9	
51-28-5	2,4-Dinitrophenol	104.8	
100-02-7	4-Nitrophenol	104.3	
132-64-9	Dibenzofuran	107.7	
121-14-2	2,4-Dinitrotoluene	106.0	
84-66-2	Diethylphthalate	96.33	
86-73-7	Fluorene	105.1	

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TARGET COMPOUNDS

Client Name:
Lab Smp Id: h057k
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info:

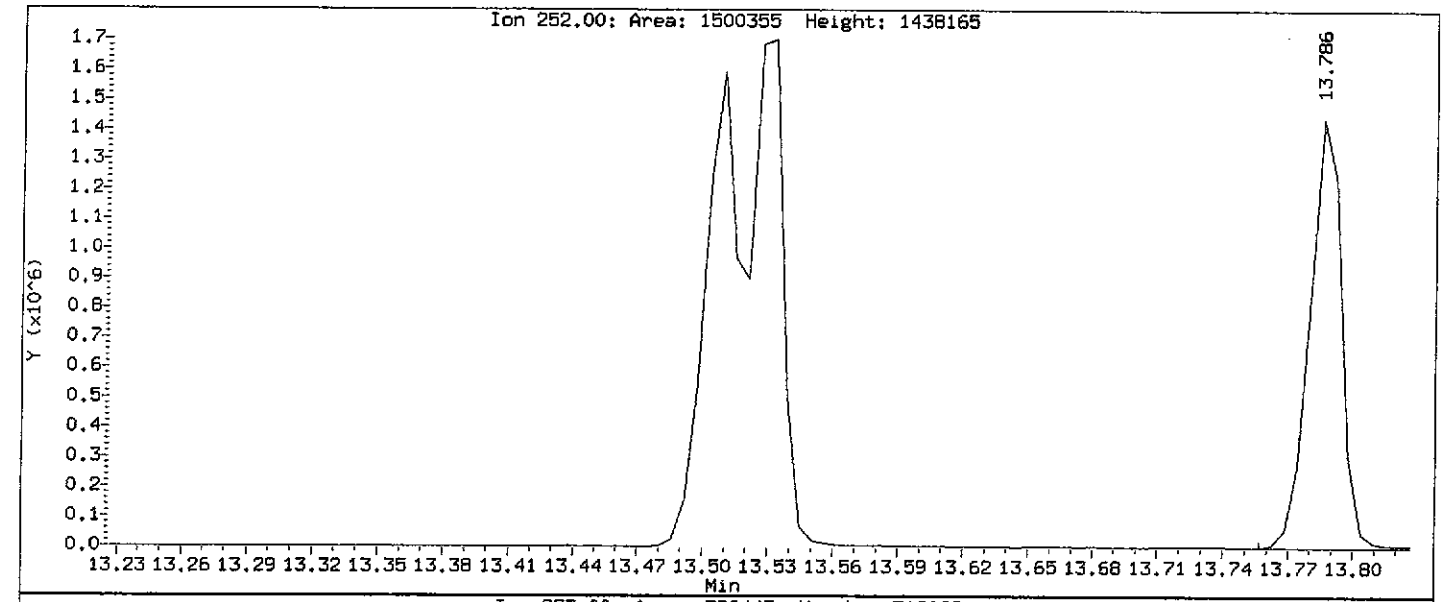
Client SDG: 040809.b

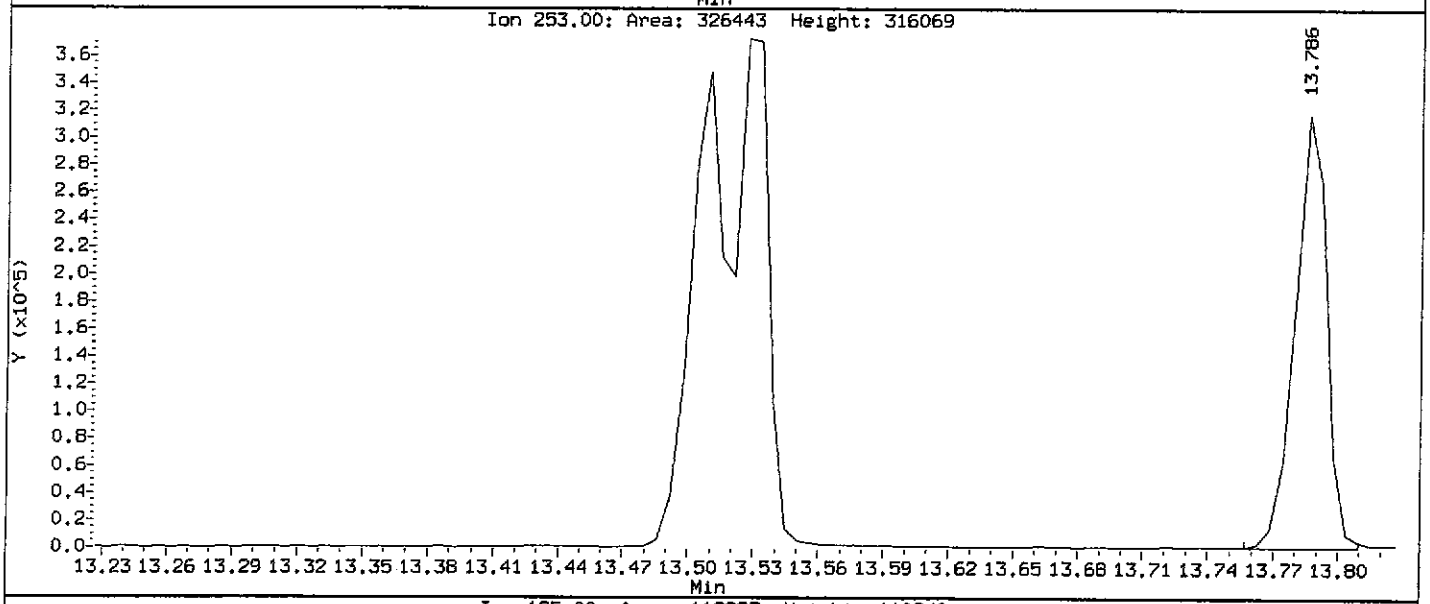
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

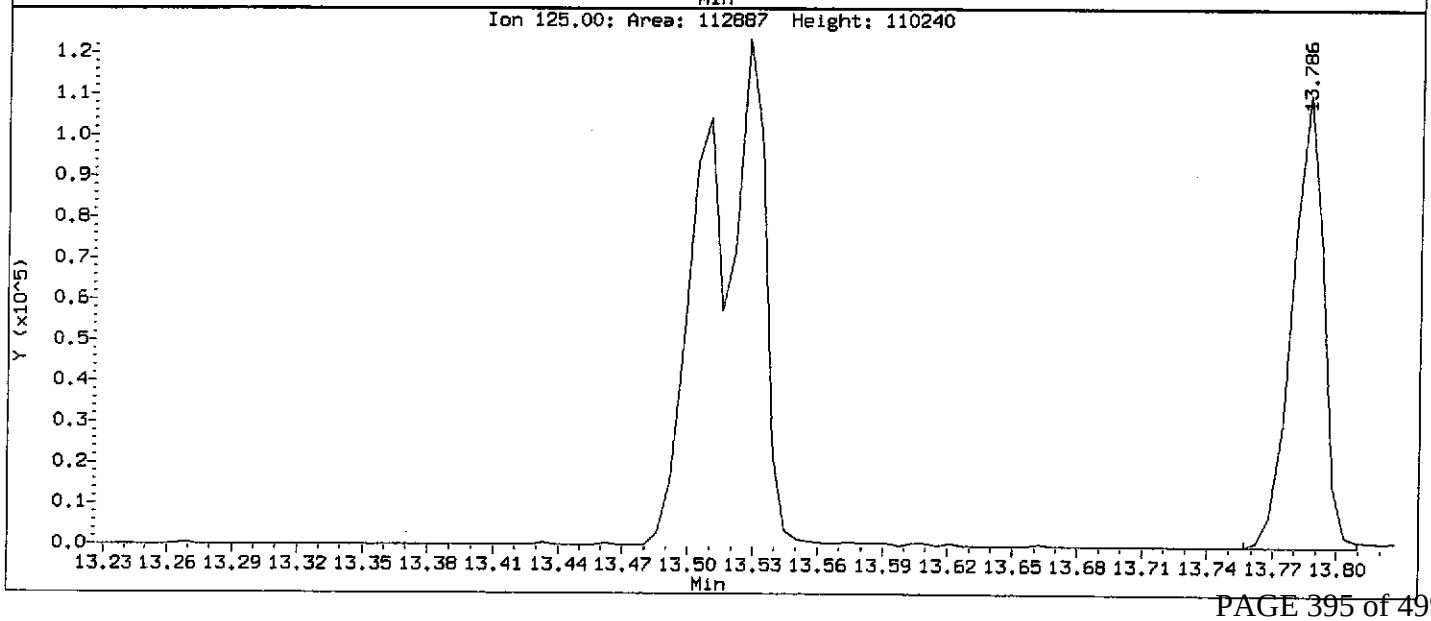
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
7005-72-3	4-Chlorophenyl-phenylether	103.4	
100-01-6	4-Nitroaniline	101.8	
534-52-1	4,6-Dinitro-2-methylphenol	99.62	
86-30-6	N-Nitrosodiphenylamine	113.3	
122-66-7	1,2-Diphenylhydrazine	107.2	
101-55-3	4-Bromophenyl-phenylether	92.93	
118-74-1	Hexachlorobenzene	93.12	
87-86-5	Pentachlorophenol	103.7	
85-01-8	Phenanthrene	106.4	
120-12-7	Anthracene	99.43	
86-74-8	Carbazole	105.8	
84-74-2	Di-n-butylphthalate	98.76	
206-44-0	Fluoranthene	100.4	
92-87-5	Benzidine	71.70	
129-00-0	Pyrene	99.44	
85-68-7	Butylbenzylphthalate	111.4	
56-55-3	Benzo(a)anthracene	114.9	
91-94-1	3,3'-Dichlorobenzidine	161.6	
218-01-9	Chrysene	110.0	
117-81-7	bis(2-Ethylhexyl)phthalate	105.7	
117-84-0	Di-n-octylphthalate	101.1	
205-99-2	Benzo(b)fluoranthene	114.1	
207-08-9	Benzo(k)fluoranthene	95.82	
50-32-8	Benzo(a)pyrene	102.0	
193-39-5	Indeno(1,2,3-cd)pyrene	121.5	
53-70-3	Dibenz(a,h)anthracene	123.4	
191-24-2	Benzo(g,h,i)perylene	121.6	
367-12-4	2-Fluorophenol (S)	114.2	
13127-88-3	Phenol-d6 (S)	107.7	
4165-60-0	Nitrobenzene-d5 (S)	99.36	
321-60-8	2-Fluorobiphenyl (S)	105.2	
	2,4,6-Tribromophenol (S)	89.23	
98904-43-9	Terphenyl-d14 (S)	101.4	

Data File: \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Injection Date: 08-APR-2009 15:46
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

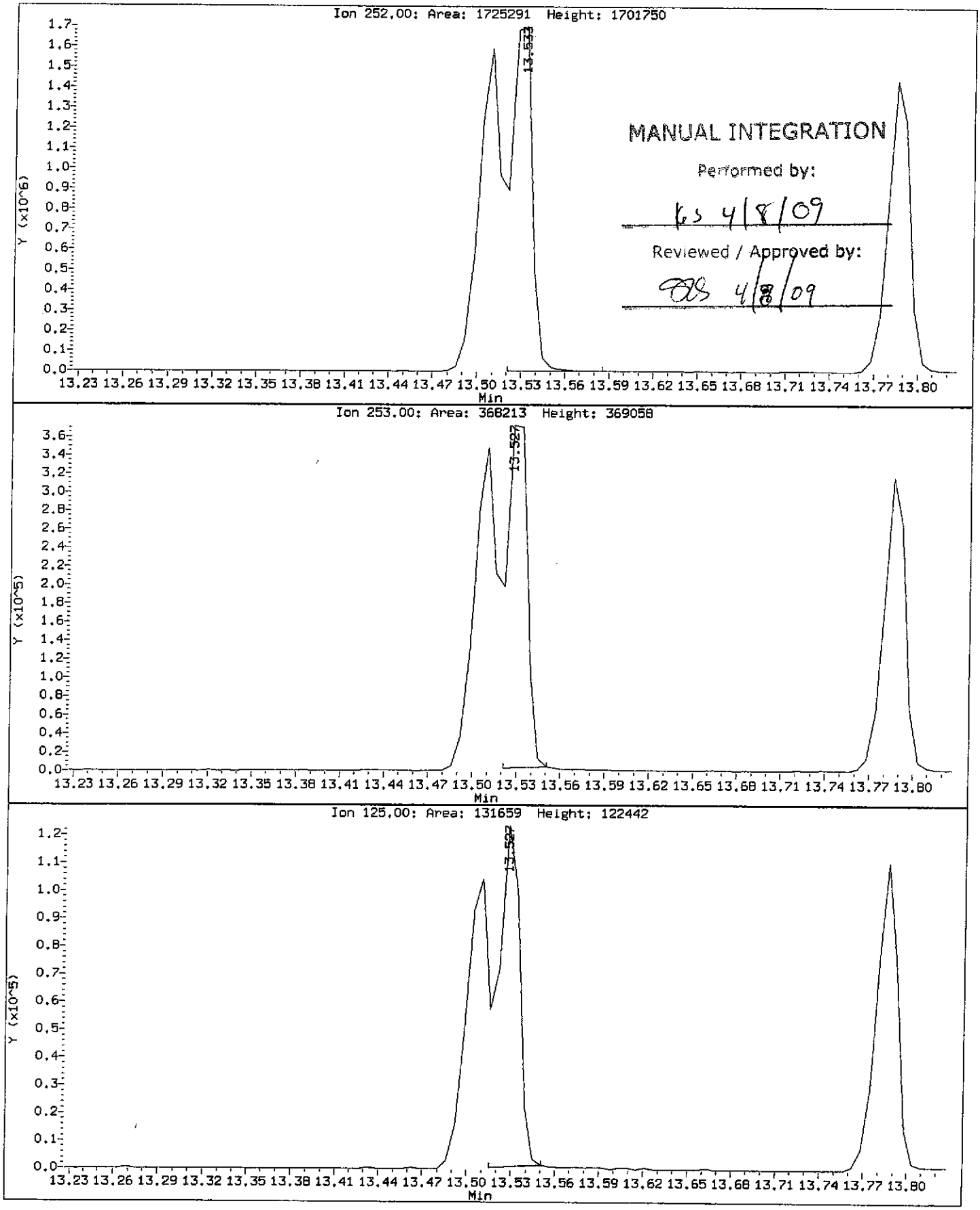






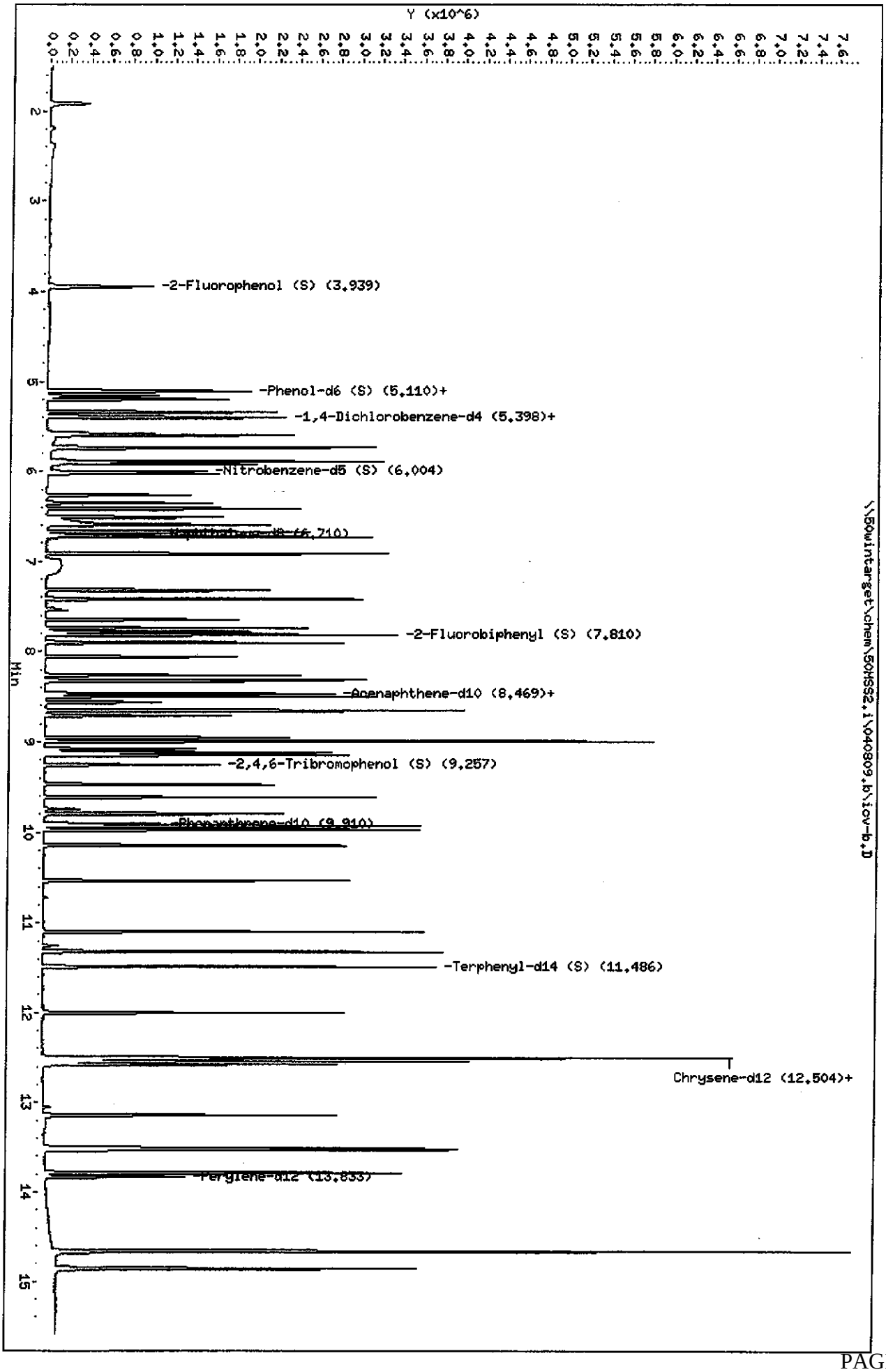
Data File: \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Injection Date: 08-APR-2009 15:46
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



Data File: \\50wintarget\chem\50MSS2.i\040809.b\icv-b.D
Date : 08-APR-2009 15:46
Client ID:
Sample Info: h057k
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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SVOA 8270C
GC/MS Semi-volatiles

Section 3: Calibration Verification Data

** Calibration Verification Summary Table*
**DFTPP Tune Information*
** Calibration Verification Standards*

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID: DF0416A DFTPP Injection Date: 04/16/09

Instrument ID: 50MSS2 DFTPP Injection Time: 0930

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.7
68	Less than 2.0% of mass 69	0.8 (1.8)1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	28.4
365	Greater than 1.0% of mass 198	4.65
441	Present, but less than mass 443	7.9
442	Greater than 40.0% of mass 198	52.1
443	17.0 - 23.0% of mass 442	11.4 (21.9)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		H061F	100-A	04/16/09	0950
02	286984	286984	286984B	04/16/09	1151
03	286985	286985	286985L	04/16/09	1211
04	286986	286986	286986M	04/16/09	1231
05	286987	286987	286987D	04/16/09	1251
06	034	5025166034	5025166034	04/16/09	1311
07	035	5025166035	5025166035	04/16/09	1332
08	036	5025166036	5025166036	04/16/09	1352
09	005	5025200005	5025200005	04/16/09	1412
10	008	5025209008	5025209008	04/16/09	1533
11	012	5025209012	5025209012	04/16/09	1553
12	014	5025209014	5025209014	04/16/09	1613
13	016	5025209016	5025209016	04/16/09	1633
14	018	5025209018	5025209018	04/16/09	1653
15	020	5025209020	5025209020	04/16/09	1713
16	003	5025209003	5025209003	04/16/09	1734
17	006	5025209006	5025209006	04/16/09	1754
18	286792	286792	286792M	04/16/09	1814
19	286793	286793	286793D	04/16/09	1834
20	017	5025209017	5025209017	04/16/09	1854
21	001	5025209001	5025209001	04/16/09	1914
22	002	5025209002	5025209002	04/16/09	1934

5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Lab File ID: DF0416A DFTPP Injection Date: 04/16/09

Instrument ID: 50MSS2 DFTPP Injection Time: 0930

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	39.7
68	Less than 2.0% of mass 69	0.8 (1.8)1
69	Mass 69 relative abundance	43.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	28.4
365	Greater than 1.0% of mass 198	4.65
441	Present, but less than mass 443	7.9
442	Greater than 40.0% of mass 198	52.1
443	17.0 - 23.0% of mass 442	11.4 (21.9)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	007	5025209007	5025209007	04/16/09	1954
02	009	5025209009	5025209009	04/16/09	2015
03	010	5025209010	5025209010	04/16/09	2035
04	011	5025209011	5025209011	04/16/09	2156
05	013	5025209013	5025209013	04/16/09	2216
06	005	5025209005	5025209005	04/16/09	2236
07	015	5025209015	5025209015	04/16/09	2256
08	019	5025209019	5025209019	04/16/09	2316
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Instrument ID: 50MSS2 Calibration Date: 04/16/09 Time: 0950

Lab File ID: 100-A Init. Calib. Date(s): 04/08/09 04/08/09

Init. Calib. Times: 1054 1336

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Phenol	93.83	100.0	AVRG	6.2	20.0	
bis(2-Chloroethyl)ether	94.93	100.0	AVRG	5.1	20.0	
2-Chlorophenol	96.42	100.0	AVRG	3.6	20.0	
1,3-Dichlorobenzene	101.0	100.0	AVRG	-1.0	20.0	
1,4-Dichlorobenzene	100.8	100.0	AVRG	-0.8	20.0	
N-Nitrosodimethylamine	97.84	100.0	AVRG	2.2	20.0	
Benzyl Alcohol	105.4	100.0	AVRG	-5.4	20.0	
1,2-Dichlorobenzene	100.4	100.0	AVRG	-0.4	20.0	
2-Methylphenol	93.46	100.0	AVRG	6.5	20.0	
bis(2-Chloroisopropyl)ether	86.28	100.0	AVRG	13.7	20.0	
N-Nitroso-di-n-propylamine	91.35	100.0	AVRG	8.6	20.0	
3&4-Methylphenol	95.37	100.0	AVRG	4.6	20.0	
Hexachloroethane	100.9	100.0	AVRG	-0.9	20.0	
Nitrobenzene	95.92	100.0	AVRG	4.1	20.0	
Isophorone	94.93	100.0	AVRG	5.1	20.0	
2-Nitrophenol	99.75	100.0	AVRG	0.2	20.0	
2,4-Dimethylphenol	81.72	100.0	AVRG	18.3	20.0	
bis(2-Chloroethoxy)methane	94.01	100.0	AVRG	6.0	20.0	
Benzoic Acid	76.55	100.0	2ORDR	23.4	20.0	<-
2,4-Dichlorophenol	98.55	100.0	AVRG	1.4	20.0	
1,2,4-Trichlorobenzene	102.2	100.0	AVRG	-2.2	20.0	
Naphthalene	100.3	100.0	AVRG	-0.3	20.0	
4-Chloroaniline	89.45	100.0	AVRG	10.6	20.0	
Hexachlorobutadiene	105.5	100.0	AVRG	-5.5	20.0	
4-Chloro-3-methylphenol	96.87	100.0	AVRG	3.1	20.0	
2-Methylnaphthalene	99.56	100.0	AVRG	0.4	20.0	
Hexachlorocyclopentadiene	97.57	100.0	AVRG	2.4	20.0	
2,4,6-Trichlorophenol	99.09	100.0	AVRG	0.9	20.0	
2,4,5-Trichlorophenol	99.02	100.0	AVRG	1.0	20.0	
2-Chloronaphthalene	105.3	100.0	AVRG	-5.3	20.0	
2-Nitroaniline	96.49	100.0	AVRG	3.5	20.0	
Acenaphthylene	101.6	100.0	AVRG	-1.6	20.0	
2,6-Dinitrotoluene	98.57	100.0	AVRG	1.4	20.0	
3-Nitroaniline	99.16	100.0	AVRG	0.8	20.0	
Acenaphthene	101.9	100.0	AVRG	-1.9	20.0	
2,4-Dinitrophenol	88.75	100.0	LINR	11.2	20.0	
Dibenzofuran	100.9	100.0	AVRG	-0.9	20.0	

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Instrument ID: 50MSS2 Calibration Date: 04/16/09 Time: 0950

Lab File ID: 100-A Init. Calib. Date(s): 04/08/09 04/08/09

Init. Calib. Times: 1054 1336

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
4-Nitrophenol	92.86	100.0	LINR	7.1	20.0	
2,4-Dinitrotoluene	97.49	100.0	AVRG	2.5	20.0	
Fluorene	102.8	100.0	AVRG	-2.8	20.0	
Dimethylphthalate	96.86	100.0	AVRG	3.1	20.0	
Diethylphthalate	95.05	100.0	AVRG	5.0	20.0	
4-Chlorophenyl-phenylether	105.1	100.0	AVRG	-5.1	20.0	
4-Nitroaniline	89.48	100.0	LINR	10.5	20.0	
4,6-Dinitro-2-methylphenol	94.08	100.0	LINR	5.9	20.0	
N-Nitrosodiphenylamine(1)	105.1	100.0	AVRG	-5.1	20.0	
4-Bromophenyl-phenylether	106.1	100.0	AVRG	-6.1	20.0	
Hexachlorobenzene	97.72	100.0	LINR	2.3	20.0	
Pentachlorophenol	79.71	100.0	LINR	20.3	20.0	<-
Phenanthrene	102.4	100.0	AVRG	-2.4	20.0	
Anthracene	99.14	100.0	AVRG	0.9	20.0	
Di-n-butylphthalate	97.23	100.0	AVRG	2.8	20.0	
Fluoranthene	98.01	100.0	AVRG	2.0	20.0	
Benzidine	53.64	100.0	LINR	46.4	20.0	<-
Pyrene	98.54	100.0	AVRG	1.5	20.0	
Butylbenzylphthalate	99.76	100.0	AVRG	0.2	20.0	
Benzo(a)anthracene	104.9	100.0	AVRG	-4.9	20.0	
3,3'-Dichlorobenzidine	127.9	100.0	AVRG	-27.9	20.0	<-
Chrysene	101.0	100.0	AVRG	-1.0	20.0	
bis(2-Ethylhexyl)phthalate	97.70	100.0	AVRG	2.3	20.0	
Di-n-octylphthalate	97.48	100.0	LINR	2.5	20.0	
Benzo(b)fluoranthene	96.78	100.0	LINR	3.2	20.0	
Benzo(k)fluoranthene	106.2	100.0	LINR	-6.2	20.0	
Benzo(a)pyrene	100.7	100.0	LINR	-0.7	20.0	
Indeno(1,2,3-cd)pyrene	116.1	100.0	LINR	-16.1	20.0	
Dibenz(a,h)anthracene	118.1	100.0	LINR	-18.1	20.0	
Benzo(g,h,i)perylene	115.2	100.0	LINR	-15.2	20.0	
Carbazole	96.73	100.0	AVRG	3.3	20.0	
Pyridine	92.39	100.0	AVRG	7.6	20.0	
1,2-Diphenylhydrazine	97.02	100.0	AVRG	3.0	20.0	
Acetophenone	94.01	100.0	AVRG	6.0	20.0	
Biphenyl (Diphenyl)	105.4	100.0	AVRG	-5.4	20.0	
Benzaldehyde	222.1	100.0	AVRG	-99.9	20.0	<-

(1) Cannot be separated from Diphenylamine

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: 041609.B

Instrument ID: 50MSS2 Calibration Date: 04/16/09 Time: 0950

Lab File ID: 100-A Init. Calib. Date(s): 04/08/09 04/08/09

Init. Calib. Times: 1054 1336

COMPOUND	SAMPLE AMOUNT	CAL100 AMOUNT	CURVE	%D	MAX %d	
Caprolactam	87.69	100.0	LINR	12.3	20.0	
Atrazine	45.11	100.0	AVRG	54.9	20.0	<-
2-Fluorophenol (S)	96.22	100.0	AVRG	3.8	20.0	
Phenol-d6 (S)	95.45	100.0	AVRG	4.6	20.0	
Nitrobenzene-d5 (S)	96.70	100.0	AVRG	3.3	20.0	
2-Fluorobiphenyl (S)	104.8	100.0	AVRG	-4.8	20.0	
2,4,6-Tribromophenol (S)	92.07	100.0	LINR	7.9	20.0	
Terphenyl-d14 (S)	91.91	100.0	LINR	8.1	20.0	

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Data file : \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D
Lab Smp Id: h059L
Client Smp ID: DFTPP
Inj Date : 16-APR-2009 09:30
Operator : KES
Inst ID: 50MSS2.i
Smp Info : h059L
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\dftpp.m
Meth Date : 01-Apr-2009 15:59 ksullivan
Quant Type: ISTD
Cal Date :
Cal File:
Als bottle: 2
QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE
Compound Sublist: all.sub
Target Version: 4.14
Sample Matrix: WATER
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Uf * Vf * Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vf	1.000	Volumetric correction factor
Vi	1.000	Injection Volume
Cpnd Variable		Local Compound Variable

RT	EXP RT	REL RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
10.286	10.100	(0.000)	198	142976			0.00- 100.00	100.00
10.286	10.100	(0.000)	51	56744			30.00- 60.00	39.69
10.286	10.100	(0.000)	68	1134			0.00- 2.00	1.83
10.286	10.100	(0.000)	69	62128			0.00- 0.00	43.45
10.286	10.100	(0.000)	70	0	0.0	0.0	0.00- 2.00	0.00
10.286	10.100	(0.000)	127	70112			40.00- 60.00	49.04
10.286	10.100	(0.000)	197	747			0.00- 1.00	0.52
10.286	10.100	(0.000)	199	10539			5.00- 9.00	7.37
10.286	10.100	(0.000)	275	40624			10.00- 30.00	28.41
10.286	10.100	(0.000)	365	6647			1.00- 0.00	4.65
10.286	10.100	(0.000)	441	11301			0.01- 99.99	69.31
10.286	10.100	(0.000)	442	74504			40.00- 0.00	52.11
10.286	10.100	(0.000)	443	16305			17.00- 23.00	21.88

Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

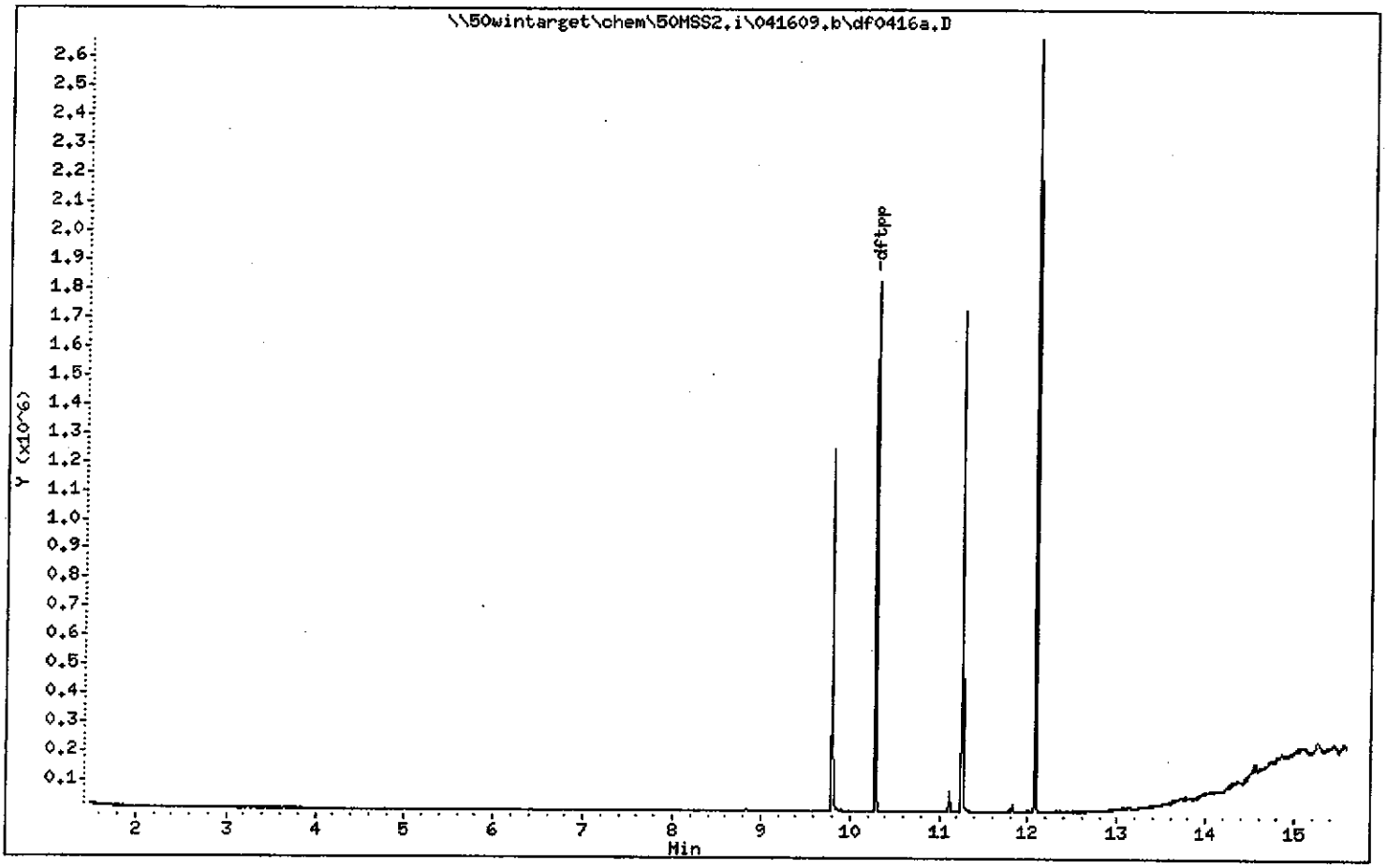
Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00



Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

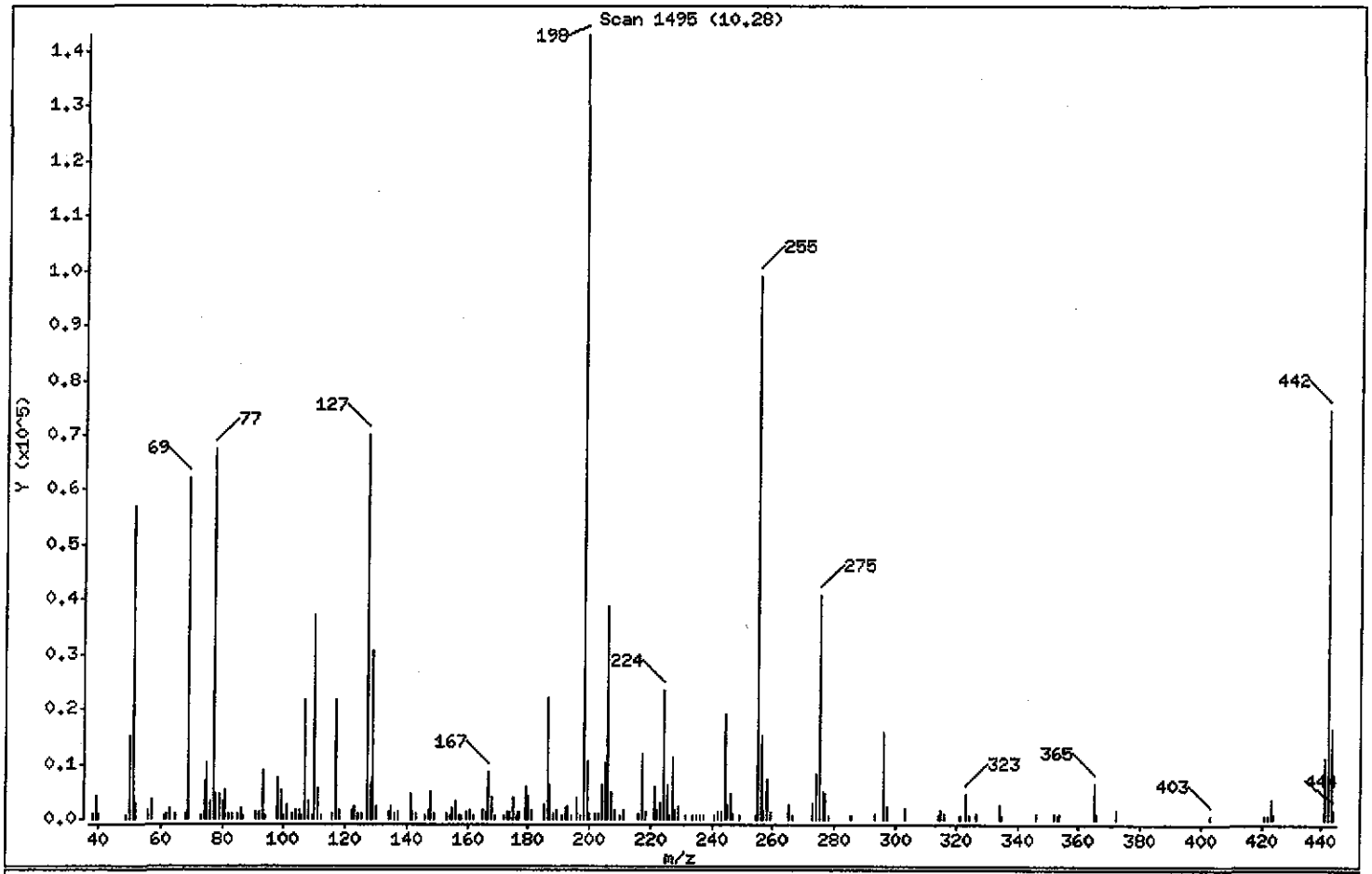
Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.69
68	Less than 2.00% of mass 69	0.79 (1.83)
69	Mass 69 relative abundance	43.45
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.04
197	Less than 1.00% of mass 198	0.52
199	5.00 - 9.00% of mass 198	7.37
275	10.00 - 30.00% of mass 198	28.41
365	Greater than 1.00% of mass 198	4.65
441	Present, but less than mass 443	7.90
442	Greater than 40.00% of mass 198	52.11
443	17.00 - 23.00% of mass 442	11.40 (21.88)

Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0416a.D
Spectrum: Scan 1495 (10.28)
Location of Maximum: 198.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	871	116.00	1072	187.00	6365	255.00	98832
39.10	4307	117.00	21688	188.00	828	256.00	15213
40.00	917	118.00	1557	189.00	1488	257.00	1509
49.00	738	122.00	1726	191.00	632	258.00	7142
50.00	15238	123.00	2284	192.00	2062	258.90	1447
51.10	56744	124.00	935	193.00	2231	265.00	2597
52.10	3111	125.00	860	194.10	504	266.00	612
56.00	1711	127.00	70112	196.00	3850	273.00	2855
57.00	3723	128.00	6430	197.00	747	274.00	8225
61.00	603	129.00	30608	198.00	142976	275.00	40624
62.10	850	130.00	2341	199.00	10539	276.00	5009
63.10	1887	134.00	1236	200.00	976	277.00	4646
65.10	1109	135.00	2424	201.50	824	278.00	734
68.10	1134	136.00	874	203.00	979	285.00	695
69.00	62128	137.10	1233	204.00	6212	293.00	993
73.00	583	141.00	4490	205.00	10074	296.00	15714
74.10	7046	142.00	1259	206.10	38648	297.00	2465
75.00	10146	143.00	971	207.10	5021	303.10	1853
76.10	3362	146.00	740	208.00	1742	314.00	611
77.10	67432	147.00	1648	210.10	680	315.00	1731
78.00	4748	148.00	4967	211.00	1556	316.00	900
79.00	4518	148.90	1060	216.10	1065	321.10	548
80.00	3401	153.00	1052	217.00	11771	323.00	4496
81.00	5379	154.00	720	218.00	1382	324.10	758
82.00	1145	155.10	1907	221.00	5920	326.90	918
83.10	1134	156.10	3207	221.90	1593	334.10	2569
85.00	882	157.00	720	223.00	2974	335.10	567
86.10	1872	158.00	731	224.10	23368	346.00	1107
86.90	590	159.90	1153	225.10	6200	352.00	1130
91.00	1281	161.00	1566	226.00	506	353.00	729
92.00	1303	161.90	533	227.00	11023	354.00	938
93.00	8986	165.00	1537	228.00	1649	365.00	6647
94.00	576	165.90	1207	229.00	2294	366.00	1110
98.00	7511	167.00	8405	231.00	807	372.00	1705
99.00	5262	168.00	4054	233.90	614	403.00	673

Data File: \\50wintarget\chem\50MSS2.i\041609.b\df0416a.D

Date : 16-APR-2009 09:30

Client ID: DFTPP

Instrument: 50MSS2.i

Sample Info: h059L

Volume Injected (uL): 1.0

Operator: KES

Column phase:

Column diameter: 2.00

Data File: df0416a.D
Spectrum: Scan 1495 (10.28)
Location of Maximum: 198.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
100.00	523	169.00	711	235.00	634	421.00	514
101.00	2515	172.00	554	236.00	537	422.10	591
102.90	865	173.00	1162	237.10	643	423.10	3581
104.00	1656	174.00	1372	241.00	673	424.00	871
105.00	1506	175.00	3823	242.00	1465	441.10	11301
106.00	547	175.90	808	243.00	1203	442.10	74504
107.00	21688	177.00	1303	244.10	19072	443.10	16305
108.00	3440	179.00	6010	245.10	2600	444.10	1623
109.00	640	180.00	4119	246.00	4489		
110.00	37232	181.00	1555	246.90	897		
111.00	5524	185.00	2624	249.00	783		
112.00	702	186.00	21960	254.10	708		

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Lab Smp Id: h061f
Inj Date : 16-APR-2009 09:50
Operator : KES Inst ID: 50MSS2.i
Smp Info : h061f
Misc Info :
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 16-Apr-2009 14:02 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
1 N-Nitrosodimethylamine	42	1.916	1.916	(0.356)	232761	100.000	97.84
2 Pyridine	79	1.928	1.928	(0.358)	376512	100.000	92.39
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	363859	100.000	96.22
4 Benzaldehyde	77	4.916	4.916	(0.913)	266292	100.000	222.1
$ 5 Phenol-d6 (S)	99	5.110	5.110	(0.949)	453986	100.000	95.45
6 Phenol	94	5.122	5.122	(0.951)	460063	100.000	93.83
7 bis(2-Chloroethyl)ether	93	5.169	5.169	(0.960)	357841	100.000	94.93
8 2-Chlorophenol	128	5.204	5.204	(0.966)	408209	100.000	96.42
9 1,3-Dichlorobenzene	146	5.345	5.345	(0.992)	498751	100.000	101.0
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	132045	40.0000	
11 1,4-Dichlorobenzene	146	5.404	5.404	(1.003)	514233	100.000	100.8
12 Benzyl Alcohol	108	5.586	5.586	(1.037)	251779	100.000	105.4
13 1,2-Dichlorobenzene	146	5.604	5.604	(1.040)	477690	100.000	100.4
14 2-Methylphenol	108	5.745	5.745	(1.067)	361761	100.000	93.46
15 bis(2-Chloroisopropyl)ether	45	5.739	5.739	(1.066)	436658	100.000	86.28
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.066)	436658	100.000	86.28
17 Acetophenone	105	5.857	5.857	(1.087)	576144	100.000	94.01
18 3&4-Methylphenol	108	5.898	5.898	(1.095)	385298	100.000	95.37
19 N-Nitroso-di-n-propylamine	70	5.892	5.892	(1.094)	303524	100.000	91.35
20 Hexachloroethane	117	5.916	5.916	(1.098)	210227	100.000	100.9
$ 21 Nitrobenzene-d5 (S)	82	6.010	6.010	(0.896)	487110	100.000	96.70
22 Nitrobenzene	77	6.027	6.027	(0.898)	474615	100.000	95.92

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	23 Isophorone	82	6.269	6.269	(0.934)	803767	100.000	94.93
	24 2-Nitrophenol	139	6.357	6.357	(0.947)	234504	100.000	99.75
	25 2,4-Dimethylphenol	122	6.427	6.427	(0.958)	295517	100.000	81.72
	26 bis(2-Chloroethoxy)methane	93	6.516	6.516	(0.971)	445533	100.000	94.01
	27 Benzoic Acid	122	6.580	6.580	(0.981)	139553	100.000	76.55
	28 2,4-Dichlorophenol	162	6.604	6.604	(0.984)	364065	100.000	98.55
	29 1,2,4-Trichlorobenzene	180	6.674	6.674	(0.995)	462667	100.000	102.2
*	30 Naphthalene-d8	136	6.710	6.710	(1.000)	476075	40.0000	
	31 Naphthalene	128	6.733	6.733	(1.004)	1207613	100.000	100.3
	32 4-Chloroaniline	127	6.827	6.827	(1.018)	435172	100.000	89.45
	33 Hexachlorobutadiene	225	6.916	6.916	(1.031)	344697	100.000	105.5
	34 Caprolactam	113	7.192	7.192	(1.072)	117033	100.000	87.69
	35 4-Chloro-3-methylphenol	107	7.339	7.339	(1.094)	361765	100.000	96.87
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	880406	100.000	99.56
	37 Hexachlorocyclopentadiene	237	7.651	7.651	(0.903)	372076	100.000	97.57
	38 2,4,6-Trichlorophenol	196	7.751	7.751	(0.915)	293542	100.000	99.09
	39 2,4,5-Trichlorophenol	196	7.798	7.798	(0.920)	325639	100.000	99.02
$	40 2-Fluorobiphenyl (S)	172	7.815	7.815	(0.922)	1063989	100.000	104.8
	41 Biphenyl (Diphenyl)	154	7.898	7.898	(0.932)	1116954	100.000	105.4
	42 2-Chloronaphthalene	162	7.910	7.910	(0.933)	903841	100.000	105.3
	43 2-Nitroaniline	65	8.063	8.063	(0.951)	256982	100.000	96.49
	44 Dimethylphthalate	163	8.268	8.268	(0.976)	952512	100.000	96.86
	45 Acenaphthylene	152	8.321	8.321	(0.982)	1318880	100.000	101.6
	46 2,6-Dinitrotoluene	165	8.339	8.339	(0.984)	216129	100.000	98.57
*	47 Acenaphthene-d10	164	8.474	8.474	(1.000)	281638	40.0000	
	48 3-Nitroaniline	138	8.480	8.480	(1.001)	223668	100.000	99.16
	49 Acenaphthene	153	8.510	8.510	(1.004)	833979	100.000	101.9
	50 2,4-Dinitrophenol	184	8.580	8.580	(1.012)	141097	100.000	88.75
	51 4-Nitrophenol	109	8.668	8.668	(1.023)	170563	100.000	92.86
	52 Dibenzofuran	168	8.662	8.662	(1.022)	1237333	100.000	100.9
	53 2,4-Dinitrotoluene	165	8.721	8.721	(1.029)	287985	100.000	97.49
	54 Diethylphthalate	149	8.957	8.957	(1.057)	968843	100.000	95.05
	55 Fluorene	166	9.004	9.004	(1.062)	1046526	100.000	102.8
	56 4-Chlorophenyl-phenylether	204	9.004	9.004	(1.062)	579870	100.000	105.1
	57 4-Nitroaniline	138	9.092	9.092	(1.073)	212430	100.000	89.48
	58 4,6-Dinitro-2-methylphenol	198	9.121	9.121	(0.920)	204358	100.000	94.08
	59 N-Nitrosodiphenylamine	169	9.139	9.139	(0.922)	675706	100.000	105.1
	60 1,2-Diphenylhydrazine	77	9.157	9.157	(0.923)	990175	100.000	97.02
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.262	(0.934)	217690	100.000	92.07
	62 4-Bromophenyl-phenylether	248	9.480	9.480	(0.956)	373683	100.000	106.1
	63 Hexachlorobenzene	284	9.621	9.621	(0.970)	473119	100.000	97.72
	64 Atrazine	200	9.692	9.692	(0.977)	93699	100.000	45.11
	65 Pentachlorophenol	266	9.804	9.804	(0.989)	213778	100.000	79.71
*	66 Phenanthrene-d10	188	9.915	9.915	(1.000)	486545	40.0000	
	67 Phenanthrene	178	9.939	9.939	(1.002)	1420139	100.000	102.4
	68 Anthracene	178	9.980	9.980	(1.007)	1430395	100.000	99.14
	69 Carbazole	167	10.156	10.156	(1.024)	1257129	100.000	96.73
	70 Di-n-butylphthalate	149	10.539	10.539	(1.063)	1559392	100.000	97.23
	71 Fluoranthene	202	11.109	11.109	(1.120)	1603280	100.000	98.01
	72 Benzidine	184	11.256	11.256	(1.135)	50892	100.000	53.64(MH)
	73 Pyrene	202	11.333	11.333	(1.143)	1693751	100.000	98.54
$	74 Terphenyl-d14 (S)	244	11.492	11.492	(1.159)	1267675	100.000	91.91
	75 Butylbenzylphthalate	149	12.009	12.009	(0.959)	680098	100.000	99.76
	76 Benzo(a)anthracene	228	12.509	12.509	(0.999)	1722346	100.000	104.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
77 3,3'-Dichlorobenzidine	252	12.509	12.509	(0.999)	617773	100.000	127.9
* 78 Chrysene-d12	240	12.527	12.527	(1.000)	638470	40.0000	
79 Chrysene	228	12.556	12.556	(1.002)	1592574	100.000	101.0
80 bis(2-Ethylhexyl)phthalate	149	12.580	12.580	(1.004)	968698	100.000	97.70
81 Di-n-octylphthalate	149	13.145	13.145	(0.949)	1595563	100.000	97.48
82 Benzo(b)fluoranthene	252	13.521	13.521	(0.977)	1839202	100.000	96.78
83 Benzo(k)fluoranthene	252	13.539	13.539	(0.978)	2171459	100.000	106.2(MH)
84 Benzo(a)pyrene	252	13.797	13.797	(0.997)	1679674	100.000	100.7
* 85 Perylene-d12	264	13.844	13.844	(1.000)	587604	40.0000	
86 Indeno(1,2,3-cd)pyrene	276	14.674	14.674	(1.060)	2344375	100.000	116.1
87 Dibenz(a,h)anthracene	278	14.680	14.680	(1.060)	2046610	100.000	118.1
88 Benzo(g,h,i)perylene	276	14.874	14.874	(1.074)	1831812	100.000	115.2

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 100-a.D
Lab Smp Id: h061f
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info:

Calibration Date: 08-APR-2009
Calibration Time: 12:36

Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	107519	53760	215038	132045	22.81
30 Naphthalene-d8	397045	198523	794090	476075	19.90
47 Acenaphthene-d10	249088	124544	498176	281638	13.07
66 Phenanthrene-d10	451720	225860	903440	486545	7.71
78 Chrysene-d12	618598	309299	1237196	638470	3.21
85 Perylene-d12	555611	277806	1111222	587604	5.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.38	4.88	5.88	5.39	0.11
30 Naphthalene-d8	6.70	6.20	7.20	6.71	0.09
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	0.07
66 Phenanthrene-d10	9.91	9.41	10.41	9.92	0.06
78 Chrysene-d12	12.52	12.02	13.02	12.53	0.09
85 Perylene-d12	13.83	13.33	14.33	13.84	0.09

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i Injection Date: 16-APR-2009 09:50
Lab File ID: 100-a.D Init. Cal. Date(s): 08-APR-2009 08-APR-2009
Analysis Type: WATER Init. Cal. Times: 10:54 13:36
Lab Sample ID: h061f Quant Type: ISTD
Method: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 N-Nitrosodimethylamine	0.72062	0.70510	0.70510	0.000	-2.15450	20.00000	Averaged
2 Pyridine	1.23455	1.14056	1.14056	0.000	-7.61329	20.00000	Averaged
$ 3 2-Fluorophenol (S)	1.14555	1.10223	1.10223	0.000	-3.78181	20.00000	Averaged
4 Benzaldehyde	0.36315	0.80667	0.80667	0.000	122	20.00000	Averaged <-
$ 5 Phenol-d6 (S)	1.44076	1.37525	1.37525	0.000	-4.54721	20.00000	Averaged
6 Phenol	1.48532	1.39366	1.39366	0.000	-6.17116	20.00000	Averaged
7 bis(2-Chloroethyl)ether	1.14190	1.08400	1.08400	0.000	-5.07091	20.00000	Averaged
8 2-Chlorophenol	1.28251	1.23658	1.23658	0.000	-3.58156	20.00000	Averaged
9 1,3-Dichlorobenzene	1.49532	1.51085	1.51085	0.000	1.03855	20.00000	Averaged
11 1,4-Dichlorobenzene	1.54556	1.55775	1.55775	0.000	0.78904	20.00000	Averaged
12 Benzyl Alcohol	0.72357	0.76271	0.76271	0.000	5.40952	20.00000	Averaged
13 1,2-Dichlorobenzene	1.44187	1.44705	1.44705	0.000	0.35975	20.00000	Averaged
14 2-Methylphenol	1.17259	1.09587	1.09587	0.000	-6.54254	20.00000	Averaged
15 bis(2-Chloroisopropyl)ether	1.53313	1.32276	1.32276	0.000	-13.72171	20.00000	Averaged
16 2,2'-Oxybis(1-chloropropane	1.53313	1.32276	1.32276	0.000	-13.72171	20.00000	Averaged
17 Acetophenone	1.85657	1.74530	1.74530	0.000	-5.99375	20.00000	Averaged
18 3&4-Methylphenol	1.22384	1.16717	1.16717	0.000	-4.63045	20.00000	Averaged
19 N-Nitroso-di-n-propylamine	1.00655	0.91946	0.91946	0.050	-8.65268	20.00000	Averaged
20 Hexachloroethane	0.63118	0.63683	0.63683	0.000	0.89523	20.00000	Averaged
$ 21 Nitrobenzene-d5 (S)	0.42324	0.40927	0.40927	0.000	-3.29978	20.00000	Averaged
22 Nitrobenzene	0.41571	0.39877	0.39877	0.000	-4.07425	20.00000	Averaged
23 Isophorone	0.71139	0.67533	0.67533	0.000	-5.06865	20.00000	Averaged
24 2-Nitrophenol	0.19753	0.19703	0.19703	0.000	-0.25041	20.00000	Averaged
25 2,4-Dimethylphenol	0.30384	0.24829	0.24829	0.000	-18.28081	20.00000	Averaged
26 bis(2-Chloroethoxy)methane	0.39819	0.37434	0.37434	0.000	-5.98909	20.00000	Averaged
27 Benzoic Acid	100	76.54992	0.11725	0.000	-23.45008	20.00000	Quadratic <-
28 2,4-Dichlorophenol	0.31038	0.30589	0.30589	0.000	-1.44546	20.00000	Averaged
29 1,2,4-Trichlorobenzene	0.38034	0.38873	0.38873	0.000	2.20674	20.00000	Averaged
31 Naphthalene	1.01148	1.01464	1.01464	0.000	0.31280	20.00000	Averaged
32 4-Chloroaniline	0.40874	0.36563	0.36563	0.000	-10.54641	20.00000	Averaged
33 Hexachlorobutadiene	0.27453	0.28962	0.28962	0.000	5.49489	20.00000	Averaged
34 Caprolactam	100	87.69287	0.09833	0.000	-12.30713	20.00000	Linear
35 4-Chloro-3-methylphenol	0.31379	0.30396	0.30396	0.000	-3.13370	20.00000	Averaged
36 2-Methylnaphthalene	0.74295	0.73972	0.73972	0.000	-0.43414	20.00000	Averaged
37 Hexachlorocyclopentadiene	0.54161	0.52845	0.52845	0.050	-2.43000	20.00000	Averaged
38 2,4,6-Trichlorophenol	0.42072	0.41691	0.41691	0.000	-0.90548	20.00000	Averaged
39 2,4,5-Trichlorophenol	0.46708	0.46249	0.46249	0.000	-0.98128	20.00000	Averaged
$ 40 2-Fluorobiphenyl (S)	1.44218	1.51114	1.51114	0.000	4.78185	20.00000	Averaged
41 Biphenyl (Diphenyl)	1.50456	1.58637	1.58637	0.000	5.43749	20.00000	Averaged
42 2-Chloronaphthalene	1.21876	1.28369	1.28369	0.000	5.32803	20.00000	Averaged
43 2-Nitroaniline	0.37825	0.36498	0.36498	0.000	-3.50678	20.00000	Averaged
44 Dimethylphthalate	1.39660	1.35282	1.35282	0.000	-3.13483	20.00000	Averaged

Pace Analytical Services

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i
Lab File ID: 100-a.D
Analysis Type: WATER
Lab Sample ID: h061f
Method: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m

Injection Date: 16-APR-2009 09:50
Init. Cal. Date(s): 08-APR-2009 08-APR-2009
Init. Cal. Times: 10:54 13:36
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
45 Acenaphthylene	1.84352	1.87316	1.87316	0.000	1.60761	20.00000	Averaged
46 2,6-Dinitrotoluene	0.31141	0.30696	0.30696	0.000	-1.42942	20.00000	Averaged
48 3-Nitroaniline	0.32036	0.31767	0.31767	0.000	-0.84009	20.00000	Averaged
49 Acenaphthene	1.16209	1.18447	1.18447	0.000	1.92557	20.00000	Averaged
50 2,4-Dinitrophenol	100	88.75279	0.20039	0.050	-11.24721	20.00000	Linear
51 4-Nitrophenol	100	92.85954	0.24224	0.050	-7.14046	20.00000	Linear
52 Dibenzofuran	1.74116	1.75734	1.75734	0.000	0.92933	20.00000	Averaged
53 2,4-Dinitrotoluene	0.41953	0.40901	0.40901	0.000	-2.50554	20.00000	Averaged
54 Diethylphthalate	1.44764	1.37601	1.37601	0.000	-4.94781	20.00000	Averaged
55 Fluorene	1.44646	1.48634	1.48634	0.000	2.75717	20.00000	Averaged
56 4-Chlorophenyl-phenylether	0.78359	0.82357	0.82357	0.000	5.10253	20.00000	Averaged
57 4-Nitroaniline	100	89.48496	0.30171	0.000	-10.51504	20.00000	Linear
58 4,6-Dinitro-2-methylphenol	100	94.08216	0.16801	0.000	-5.91784	20.00000	Linear
59 N-Nitrosodiphenylamine	0.52867	0.55551	0.55551	0.000	5.07834	20.00000	Averaged
60 1,2-Diphenylhydrazine	0.83908	0.81405	0.81405	0.000	-2.98350	20.00000	Averaged
$ 61 2,4,6-Tribromophenol (S)	100	92.06819	0.17897	0.000	-7.93181	20.00000	Linear
62 4-Bromophenyl-phenylether	0.28965	0.30721	0.30721	0.000	6.06468	20.00000	Averaged
63 Hexachlorobenzene	100	97.72173	0.38896	0.000	-2.27827	20.00000	Linear
64 Atrazine	0.17075	0.07703	0.07703	0.000	-54.88693	20.00000	Averaged <-
65 Pentachlorophenol	100	79.70944	0.17575	0.000	-20.29056	20.00000	Linear <-
67 Phenanthrene	1.14024	1.16753	1.16753	0.000	2.39329	20.00000	Averaged
68 Anthracene	1.18618	1.17596	1.17596	0.000	-0.86170	20.00000	Averaged
69 Carbazole	1.06846	1.03352	1.03352	0.000	-3.27077	20.00000	Averaged
70 Di-n-butylphthalate	1.31856	1.28201	1.28201	0.000	-2.77188	20.00000	Averaged
71 Fluoranthene	1.34482	1.31809	1.31809	0.000	-1.98747	20.00000	Averaged
72 Benzidine	100	53.63997	0.04184	0.000	-46.36003	20.00000	Linear <-
73 Pyrene	1.41306	1.39247	1.39247	0.000	-1.45685	20.00000	Averaged
$ 74 Terphenyl-d14 (S)	100	91.90868	1.04219	0.000	-8.09132	20.00000	Linear
75 Butylbenzylphthalate	0.42711	0.42608	0.42608	0.000	-0.24121	20.00000	Averaged
76 Benzo(a)anthracene	1.02853	1.07905	1.07905	0.000	4.91164	20.00000	Averaged
77 3,3'-Dichlorobenzidine	0.30263	0.38703	0.38703	0.000	27.89092	20.00000	Averaged <-
79 Chrysene	0.98788	0.99774	0.99774	0.000	0.99809	20.00000	Averaged
80 bis(2-Ethylhexyl)phthalate	0.62117	0.60689	0.60689	0.000	-2.29996	20.00000	Averaged
81 Di-n-octylphthalate	100	97.47565	1.08615	0.000	-2.52435	20.00000	Linear
82 Benzo(b)fluoranthene	100	96.78317	1.25200	0.000	-3.21683	20.00000	Linear
83 Benzo(k)fluoranthene	100	106	1.47818	0.000	6.21516	20.00000	Linear
84 Benzo(a)pyrene	100	101	1.14341	0.000	0.73419	20.00000	Linear
86 Indeno(1,2,3-cd)pyrene	100	116	1.59589	0.000	16.11078	20.00000	Linear
87 Dibenz(a,h)anthracene	100	118	1.39319	0.000	18.10093	20.00000	Linear
88 Benzo(g,h,i)perylene	100	115	1.24697	0.000	15.15885	20.00000	Linear

Pace Analytical Services

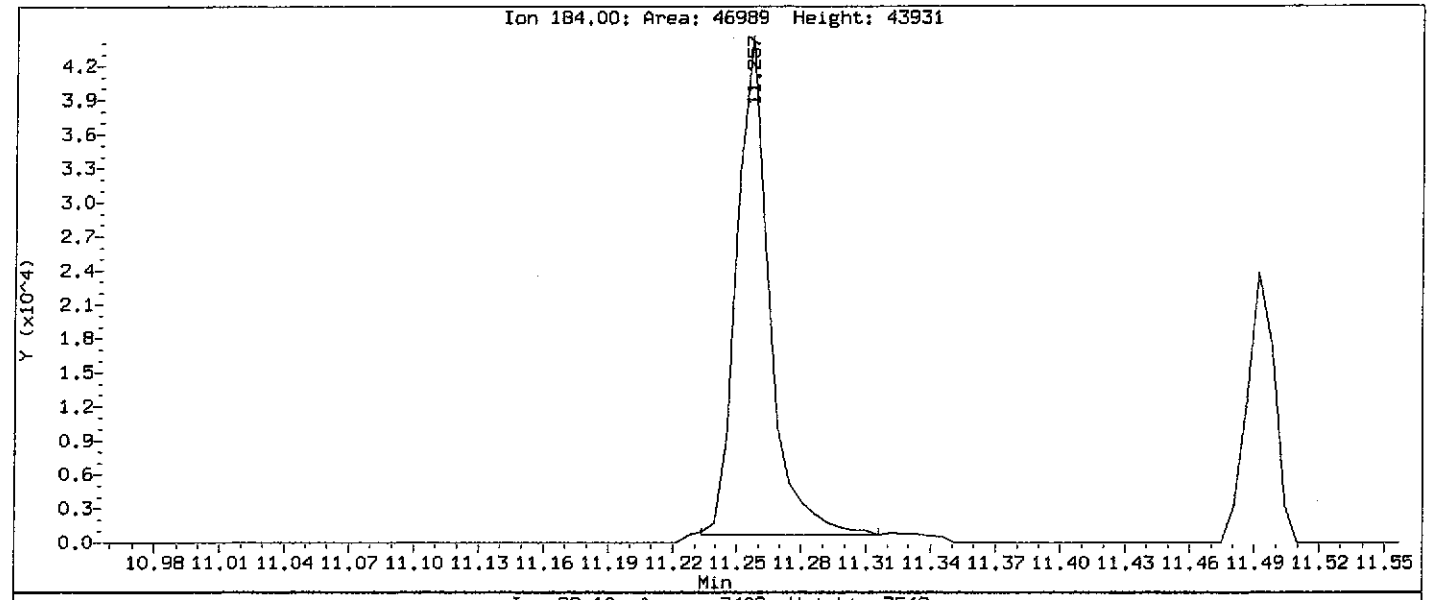
CONTINUING CALIBRATION COMPOUNDS

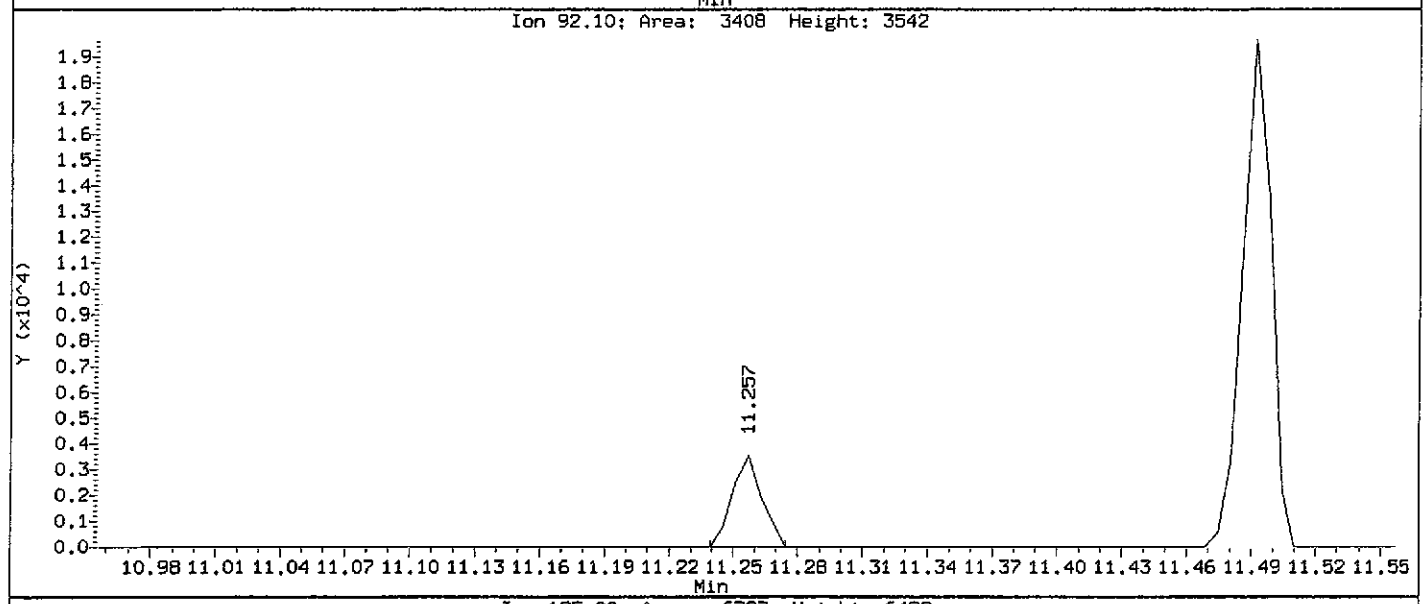
Instrument ID: 50MSS2.i Injection Date: 16-APR-2009 09:50
Lab File ID: 100-a.D Init. Cal. Date(s): 08-APR-2009 08-APR-2009
Analysis Type: WATER Init. Cal. Times: 10:54 13:36
Lab Sample ID: h061f Quant Type: ISTD
Method: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m

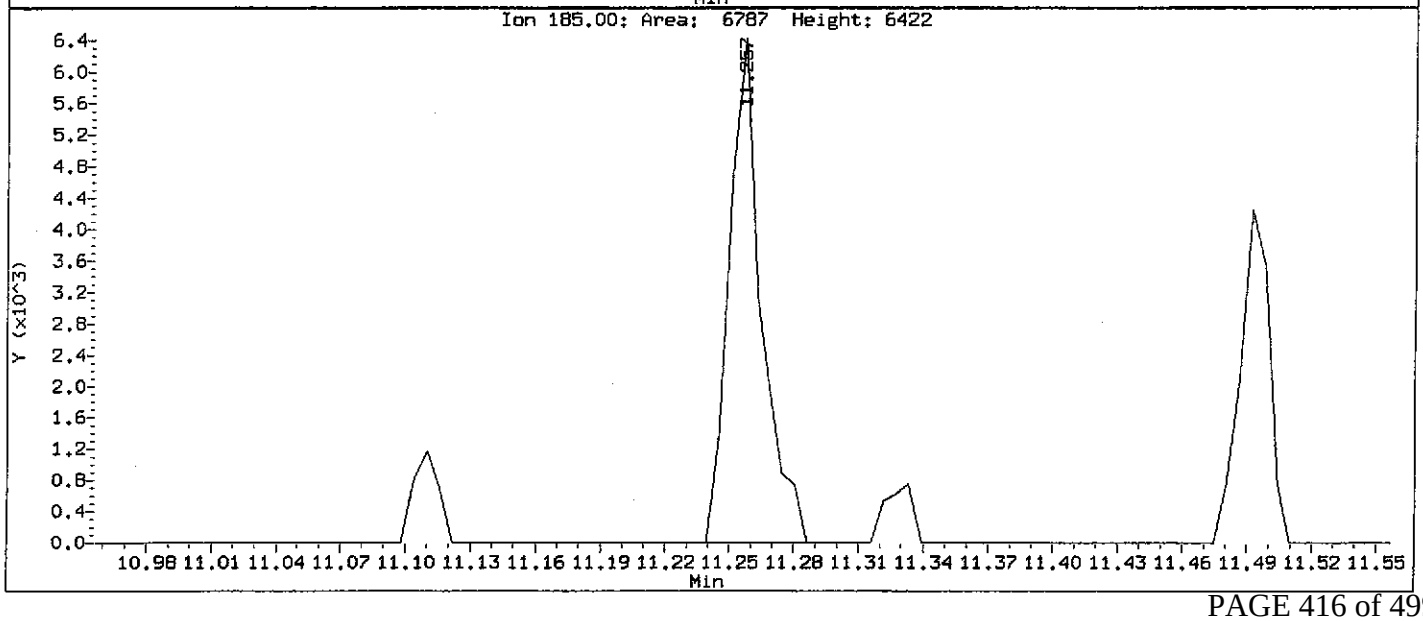
Average %D / Drift Results.
Calculated Average %D/Drift = 8.06806
Maximun Average %D/Drift = 20.00000
* Passed Average %D/Drift Test.

Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzidine
CAS Number: 92-87-5

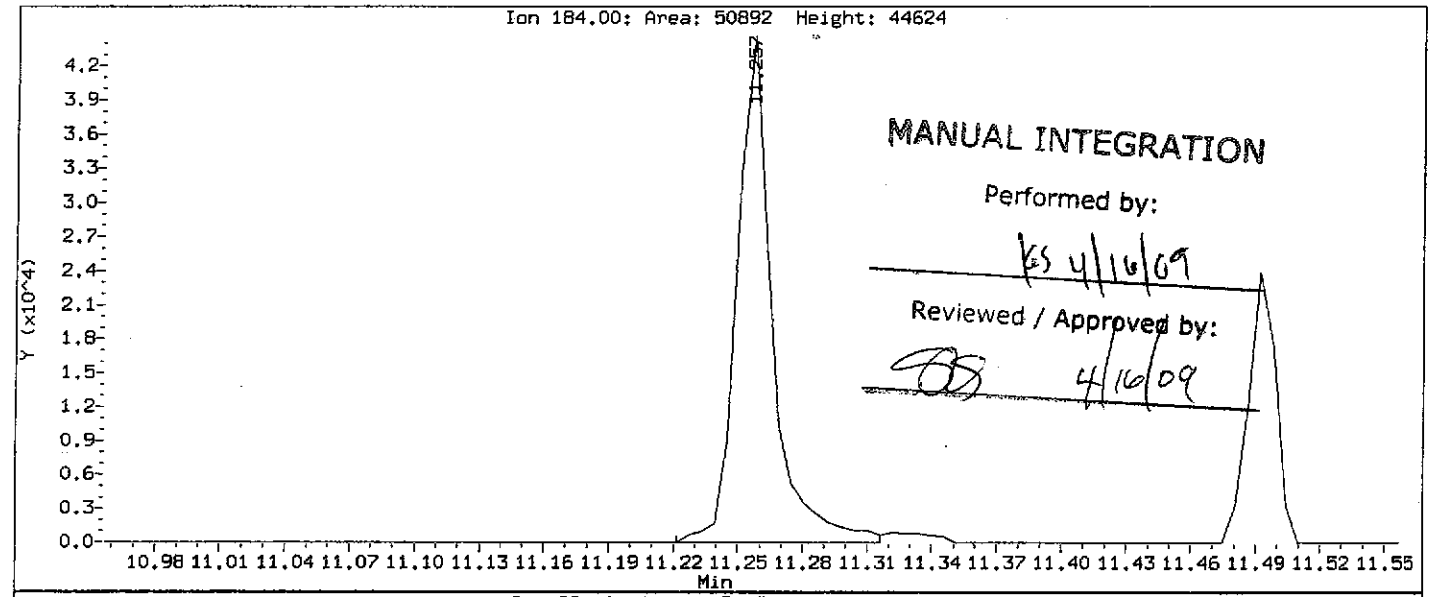


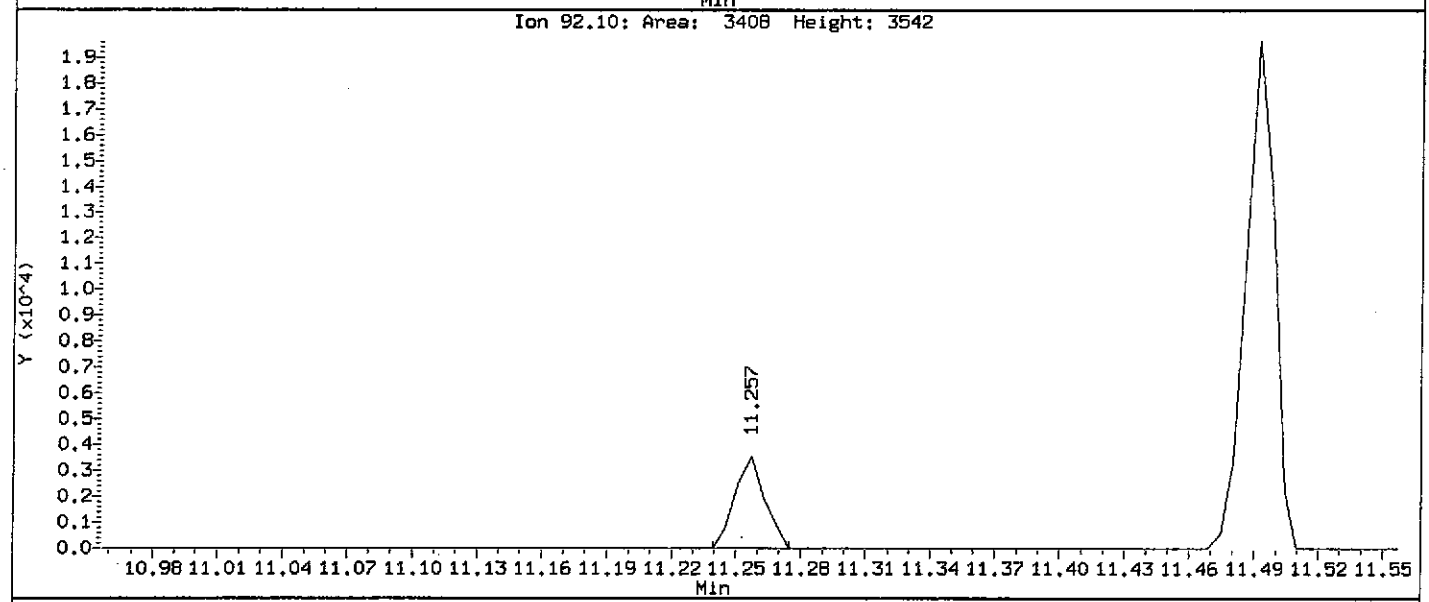


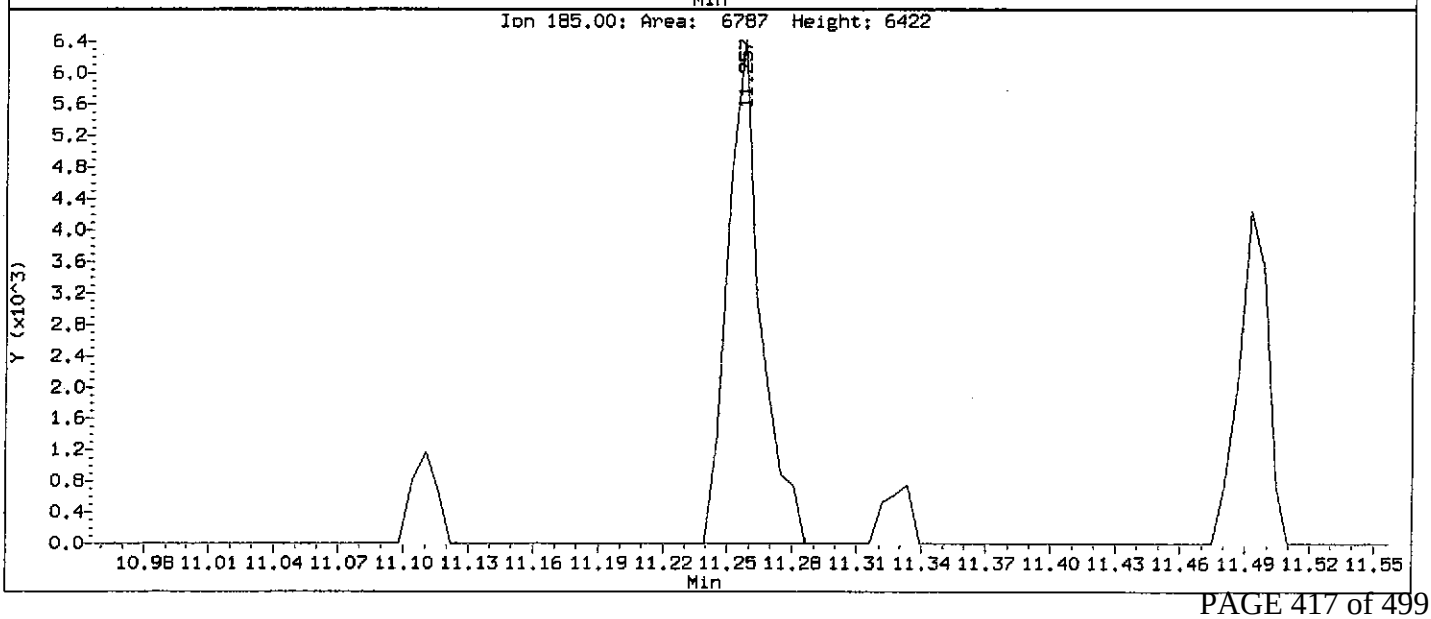


Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzidine
CAS Number: 92-87-5

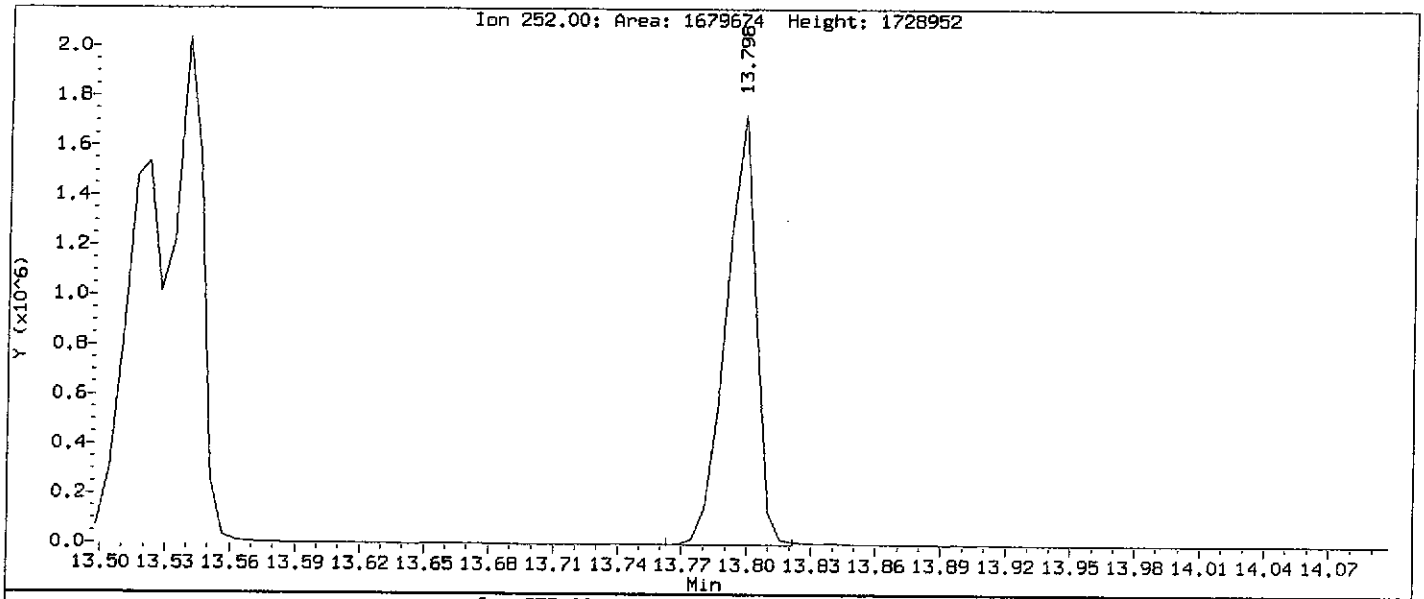


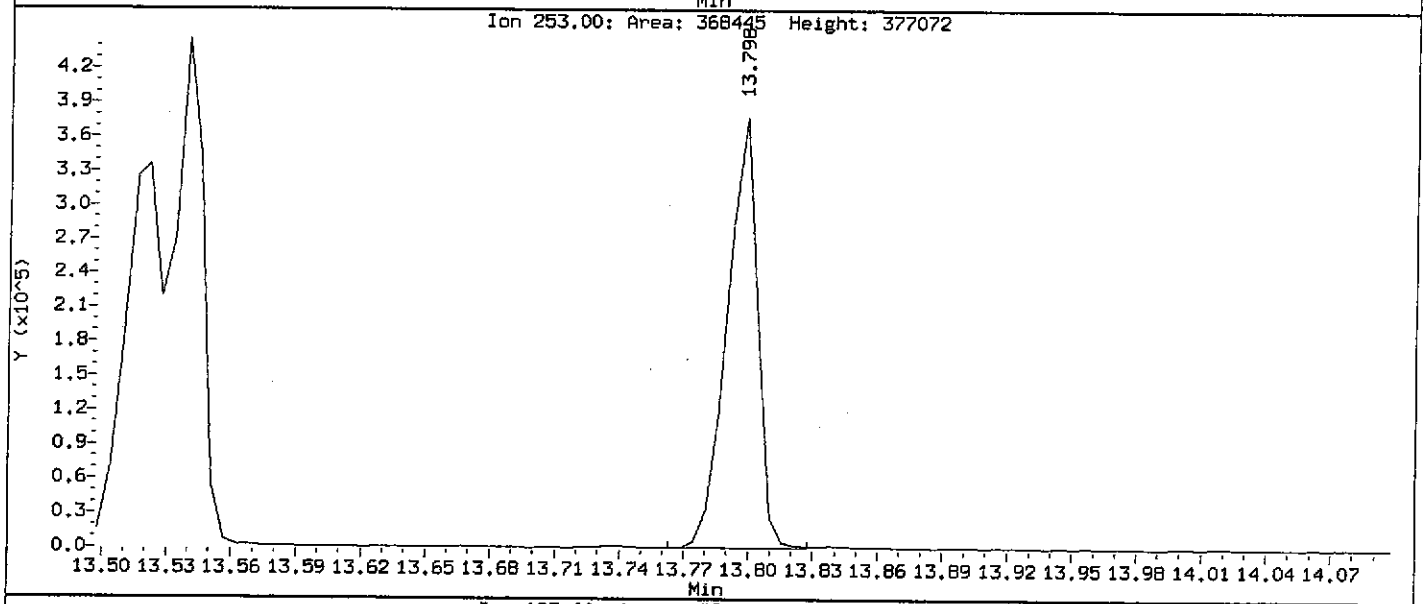


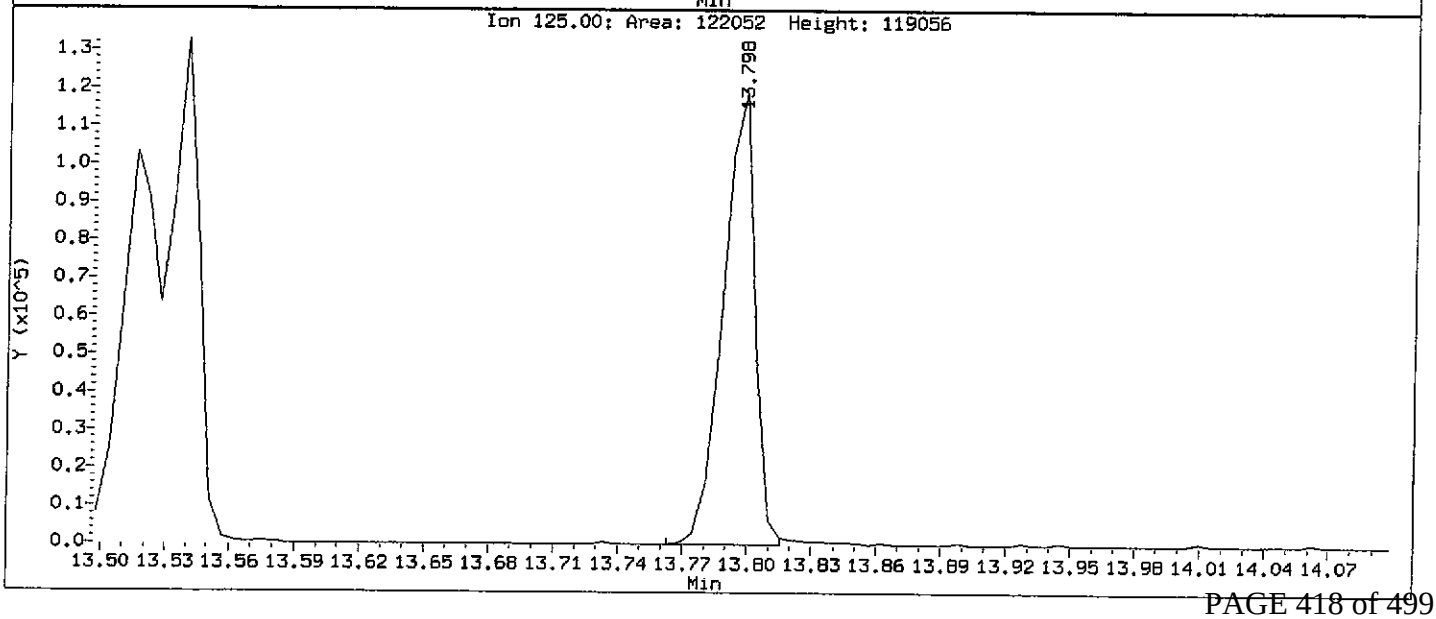


Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

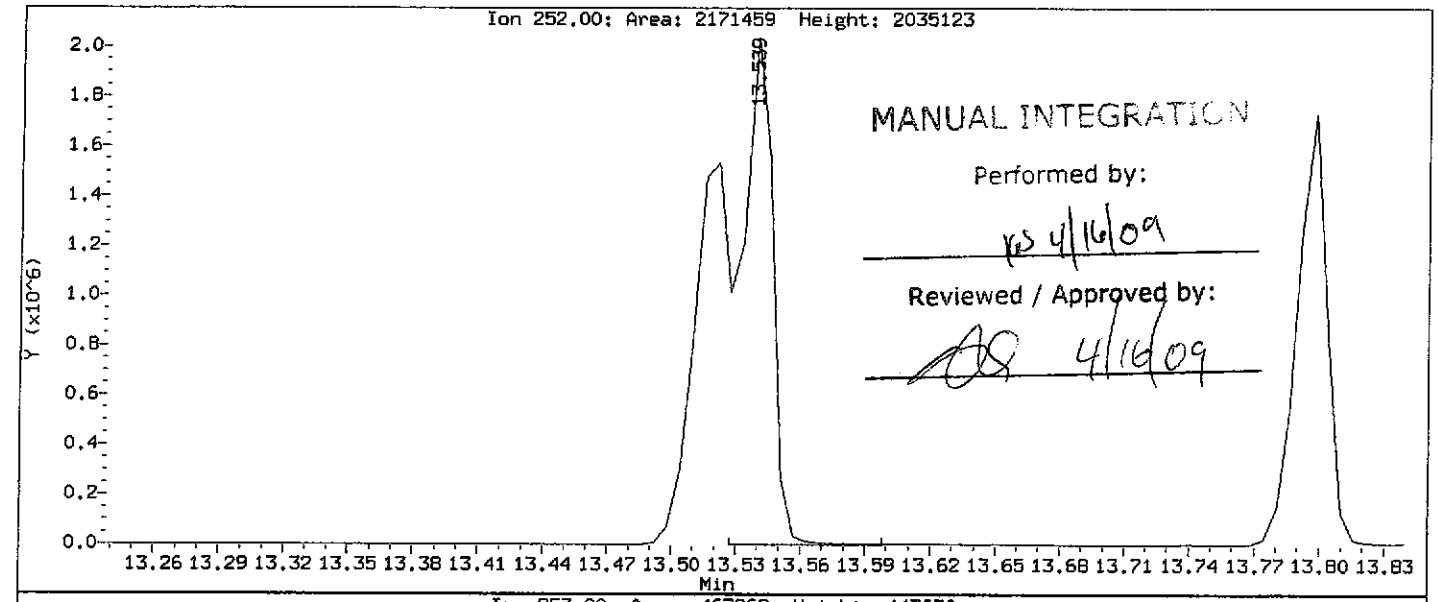


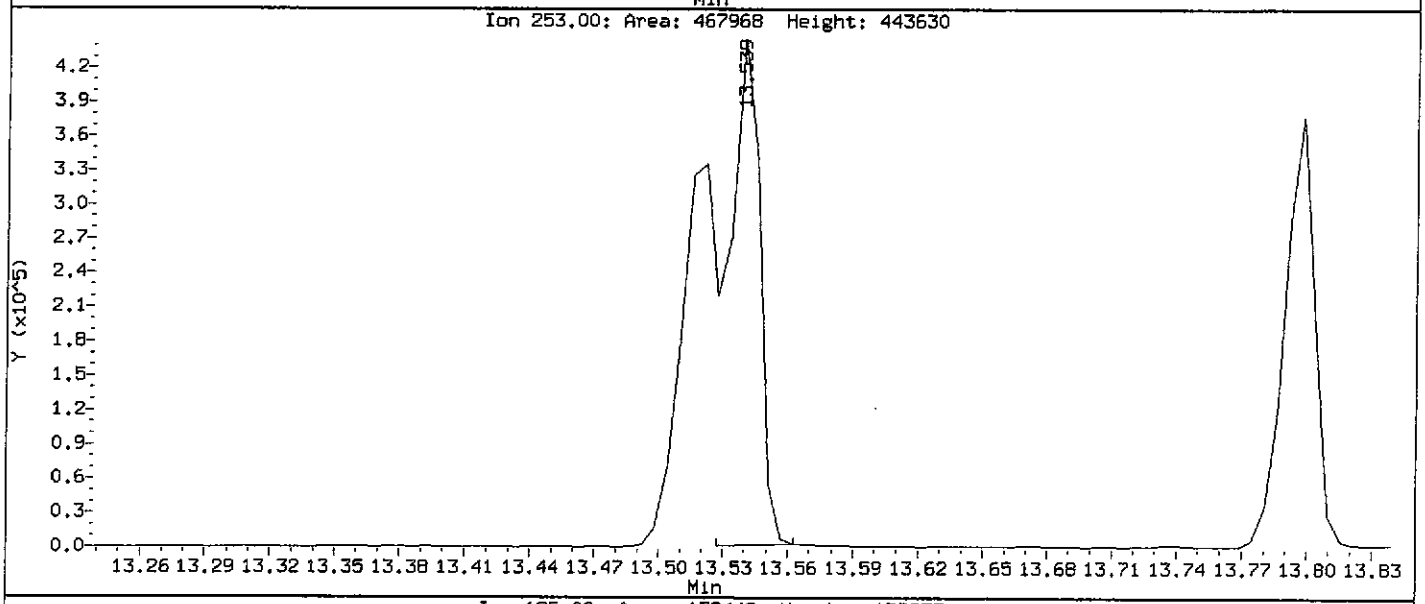


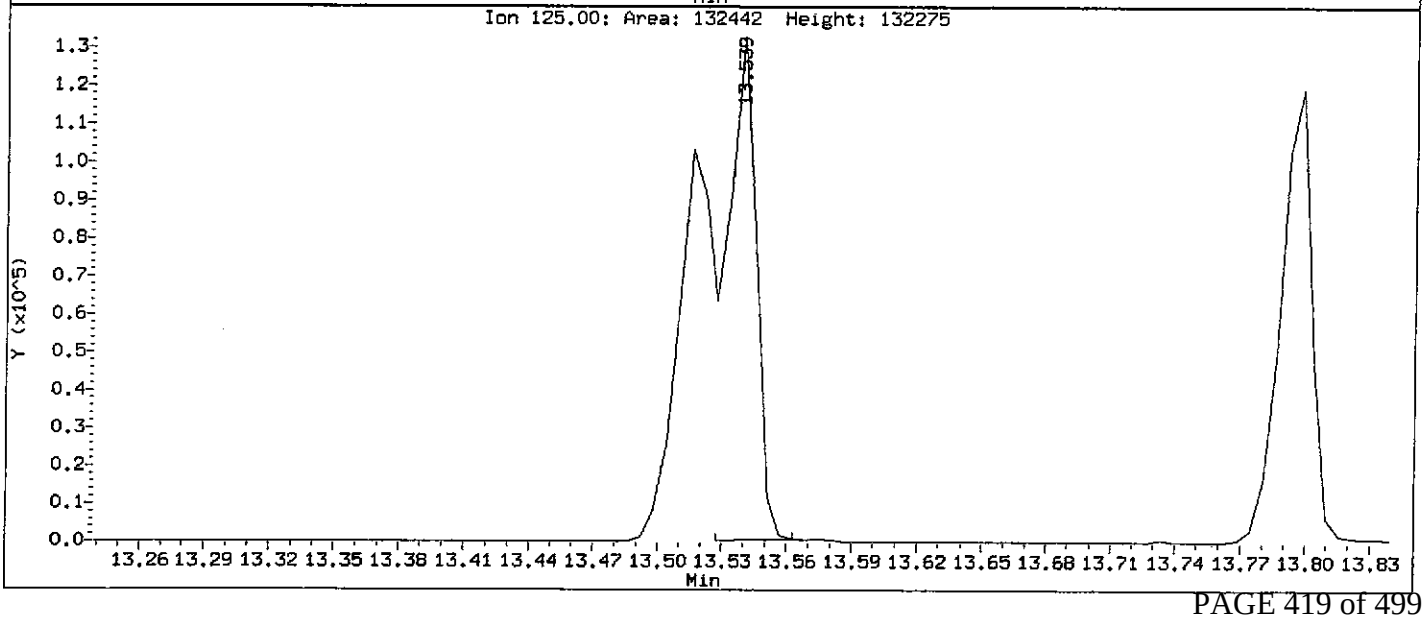


Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Injection Date: 16-APR-2009 09:50
Instrument: 50MSS2.i
Client Sample ID:

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

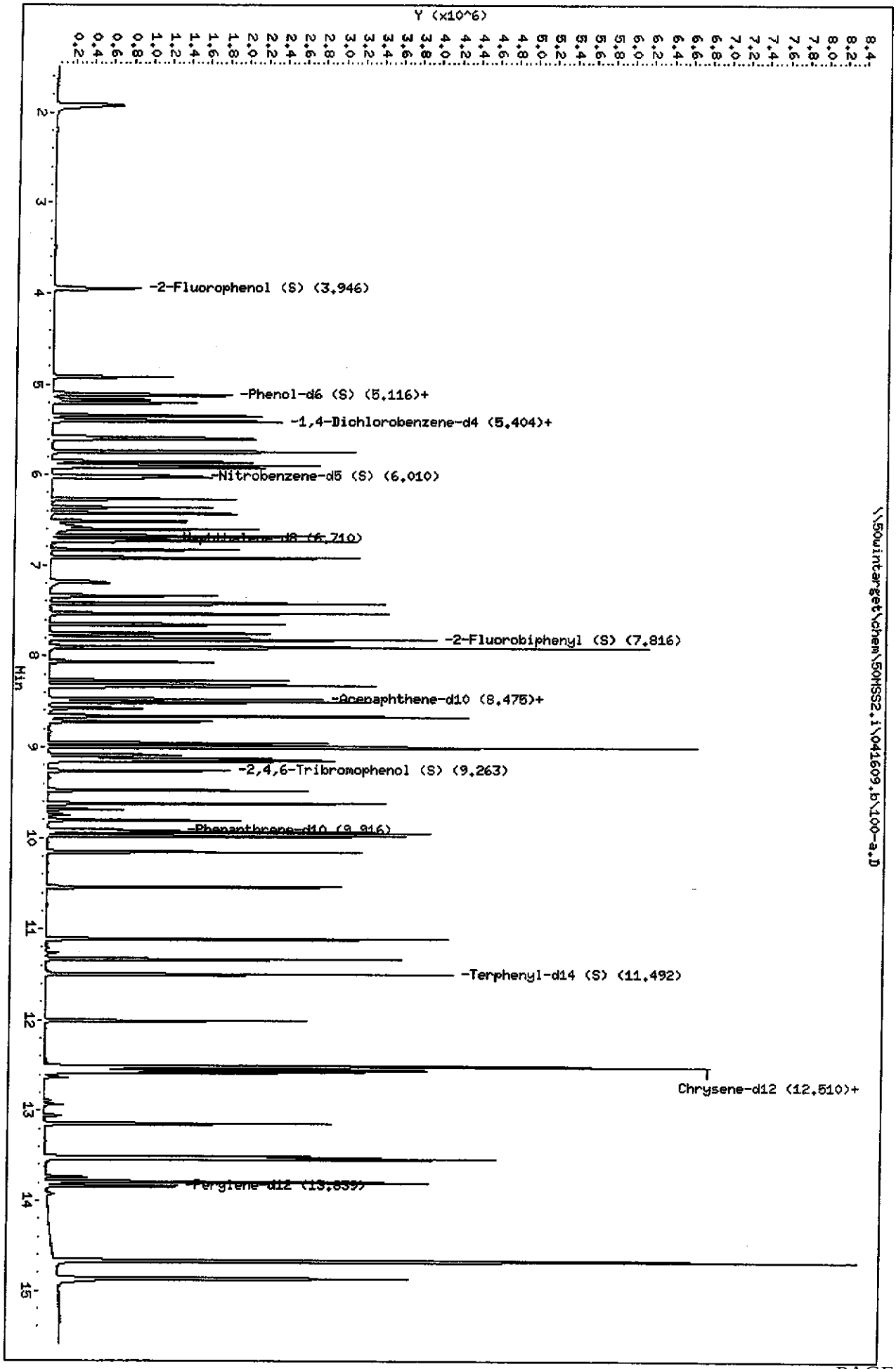






Data File: \\50wintarget\chem\50MSS2.i\041609.b\100-a.D
Date : 16-APR-2009 09:50
Client ID:
Sample Info: h061f
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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SVOA 8270C
GC/MS Semi-volatiles

Section 4: Quality Control Data

**** Laboratory Control Samples (LCS)***
**** Matrix Spike and Spike Duplicate Samples (MS/MSD)***

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Lab Smp Id: 286985 Client Smp ID: 286985
Inj Date : 16-APR-2009 12:11
Operator : KES Inst ID: 50MSS2.i
Smp Info : 286985
Misc Info : ,1,,3,LCS,tcllcs.spk
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 19 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	160853	59.0788	59.08
41 Biphenyl (Diphenyl)	154	7.898	7.898	(0.933)	644756	85.7765	85.78
4 Benzaldehyde	77	4.916	4.916	(0.913)	134834	156.216	156.2
$ 5 Phenol-d6 (S)	99	5.104	5.110	(0.948)	130277	38.0445	38.04
6 Phenol	94	5.116	5.122	(0.950)	135365	38.3446	38.34
7 bis(2-Chloroethyl)ether	93	5.163	5.169	(0.959)	228090	84.0415	84.04
8 2-Chlorophenol	128	5.198	5.204	(0.965)	243422	79.8575	79.86
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	95070	40.0000	(Q)
14 2-Methylphenol	108	5.739	5.745	(1.066)	200044	71.7788	71.78
16 2,2'-Oxybis(1-chloropropane)	45	5.739	5.739	(1.066)	287510	78.9026	78.90
18 3&4-Methylphenol	108	5.892	5.898	(1.094)	195610	67.2485	67.25
17 Acetophenone	105	5.851	5.857	(1.086)	357430	81.0019	81.00
19 N-Nitroso-di-n-propylamine	70	5.886	5.892	(1.093)	189541	79.2290	79.23
20 Hexachloroethane	117	5.915	5.916	(1.098)	93195	62.1231	62.12
$ 21 Nitrobenzene-d5 (S)	82	6.010	6.010	(0.896)	311857	88.7972	88.80
22 Nitrobenzene	77	6.027	6.027	(0.898)	291707	84.5637	84.56
23 Isophorone	82	6.263	6.269	(0.933)	524713	88.8883	88.89
24 2-Nitrophenol	139	6.357	6.357	(0.947)	140976	86.0101	86.01
25 2,4-Dimethylphenol	122	6.421	6.427	(0.957)	205525	81.5172	81.52
26 bis(2-Chloroethoxy)methane	93	6.510	6.516	(0.970)	285514	86.4110	86.41
28 2,4-Dichlorophenol	162	6.598	6.604	(0.983)	226781	88.0537	88.05
* 30 Naphthalene-d8	136	6.710	6.710	(1.000)	331919	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
	31 Naphthalene	128	6.727	6.733	(1.003)	668590	79.6584	79.66
	32 4-Chloroaniline	127	6.821	6.827	(1.017)	160507	47.3232	47.32
	33 Hexachlorobutadiene	225	6.915	6.916	(1.031)	161923	71.0797	71.08
	34 Caprolactam	113	7.162	7.192	(1.067)	20750	23.6477	23.65
	35 4-Chloro-3-methylphenol	107	7.327	7.339	(1.092)	228699	87.8322	87.83
	36 2-Methylnaphthalene	142	7.421	7.421	(1.106)	486979	78.9916	78.99
	37 Hexachlorocyclopentadiene	237	7.651	7.651	(0.903)	170150	62.8825	62.88
	38 2,4,6-Trichlorophenol	196	7.745	7.751	(0.915)	193511	92.0658	92.06
	39 2,4,5-Trichlorophenol	196	7.786	7.798	(0.919)	203662	87.2779	87.28
$	40 2-Fluorobiphenyl (S)	172	7.815	7.815	(0.923)	626094	86.8964	86.90(R)
	42 2-Chloronaphthalene	162	7.904	7.910	(0.933)	509746	83.7180	83.72
	43 2-Nitroaniline	65	8.057	8.063	(0.951)	170704	90.3339	90.33
	44 Dimethylphthalate	163	8.262	8.268	(0.976)	628619	90.0944	90.09
	46 2,6-Dinitrotoluene	165	8.333	8.339	(0.984)	140884	90.5543	90.55
	45 Acenaphthylene	152	8.321	8.321	(0.983)	799889	86.8488	86.85
	48 3-Nitroaniline	138	8.474	8.480	(1.001)	138347	86.4401	86.44
*	47 Acenaphthene-d10	164	8.468	8.474	(1.000)	199838	40.0000	
	49 Acenaphthene	153	8.504	8.510	(1.004)	517277	89.0973	89.10
	50 2,4-Dinitrophenol	184	8.574	8.580	(1.013)	80210	72.7157	72.72
	51 4-Nitrophenol	109	8.662	8.668	(1.023)	63005	48.6400	48.64(QM)
	52 Dibenzofuran	168	8.656	8.662	(1.022)	749289	86.1377	86.14
	53 2,4-Dinitrotoluene	165	8.721	8.721	(1.030)	192182	91.6929	91.69
	54 Diethylphthalate	149	8.951	8.957	(1.057)	637722	88.1766	88.18
	56 4-Chlorophenyl-phenylether	204	9.004	9.004	(1.063)	349743	89.3397	89.34
	55 Fluorene	166	8.998	9.004	(1.063)	638914	88.4133	88.41
	57 4-Nitroaniline	138	9.080	9.092	(1.072)	139710	83.0829	83.08
	59 N-Nitrosodiphenylamine	169	9.133	9.139	(0.922)	541055	114.650	114.6
	58 4,6-Dinitro-2-methylphenol	198	9.115	9.121	(0.920)	125643	79.4974	79.50
$	61 2,4,6-Tribromophenol (S)	330	9.262	9.262	(0.935)	138865	80.8478	80.85
	62 4-Bromophenyl-phenylether	248	9.474	9.480	(0.956)	230294	89.0691	89.07
	63 Hexachlorobenzene	284	9.621	9.621	(0.971)	278192	79.0744	79.07
	64 Atrazine	200	9.692	9.692	(0.978)	192079	126.016	126.0
	65 Pentachlorophenol	266	9.803	9.804	(0.989)	146160	74.7535	74.75
*	66 Phenanthrene-d10	188	9.909	9.915	(1.000)	357064	40.0000	
	67 Phenanthrene	178	9.933	9.939	(1.002)	956709	93.9934	93.99
	68 Anthracene	178	9.980	9.980	(1.007)	981038	92.6506	92.65
	69 Carbazole	167	10.151	10.156	(1.024)	873801	91.6152	91.62
	70 Di-n-butylphthalate	149	10.539	10.539	(1.064)	1044136	88.7096	88.71
	71 Fluoranthene	202	11.109	11.109	(1.121)	1101015	91.7154	91.72
	73 Pyrene	202	11.327	11.333	(1.143)	1194817	94.7229	94.72
$	74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	851477	84.3391	84.34
	75 Butylbenzylphthalate	149	12.003	12.009	(0.959)	478998	86.4589	86.46
	80 bis(2-Ethylhexyl)phthalate	149	12.580	12.580	(1.005)	693609	86.0830	86.08
	77 3,3'-Dichlorobenzidine	252	12.509	12.509	(0.999)	530684	135.189	135.2
	76 Benzo(a)anthracene	228	12.503	12.509	(0.999)	1312540	98.3812	98.38
*	78 Chrysene-d12	240	12.521	12.527	(1.000)	518853	40.0000	
	79 Chrysene	228	12.550	12.556	(1.002)	1190457	92.9016	92.90
	81 Di-n-octylphthalate	149	13.144	13.145	(0.950)	1158731	83.6830	83.68
	82 Benzo(b)fluoranthene	252	13.515	13.521	(0.977)	1541295	95.7607	95.76
	83 Benzo(k)fluoranthene	252	13.539	13.539	(0.978)	1412482	81.8901	81.89(H)
	84 Benzo(a)pyrene	252	13.791	13.797	(0.997)	1291859	91.5798	91.58
*	85 Perylene-d12	264	13.839	13.844	(1.000)	497815	40.0000	
	87 Dibenz(a,h)anthracene	278	14.674	14.680	(1.060)	1457223	99.7593	99.76
	86 Indeno(1,2,3-cd)pyrene	276	14.674	14.674	(1.060)	1736364	101.863	101.9

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
88 Benzo(g,h,i)perylene	276	14.868	14.874	(1.074)	1333518	99.2223	99.22

QC Flag Legend

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

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 286985L.D
Lab Smp Id: 286985
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,LCS,tcllcs.spk

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 286985
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	95070	-28.00
30 Naphthalene-d8	476075	238038	952150	331919	-30.28
47 Acenaphthene-d10	281638	140819	563276	199838	-29.04
66 Phenanthrene-d10	486545	243273	973090	357064	-26.61
78 Chrysene-d12	638470	319235	1276940	518853	-18.73
85 Perylene-d12	587604	293802	1175208	497815	-15.28

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 286985
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,LCS,tcllcs.spk

Client SDG: 041609.b
Client Smp ID: 286985
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
92-52-4	Biphenyl (Diphenyl)	85.78	
100-52-7	Benzaldehyde	156.2	
108-95-2	Phenol	38.34	
111-44-4	bis(2-Chloroethyl)ether	84.04	
95-57-8	2-Chlorophenol	79.86	
95-48-7	2-Methylphenol	71.78	
108-60-1	2,2'-Oxybis(1-chloropropane)	78.90	
	3&4-Methylphenol	67.25	
98-86-2	Acetophenone	81.00	
621-64-7	N-Nitroso-di-n-propylamine	79.23	
67-72-1	Hexachloroethane	62.12	
98-95-3	Nitrobenzene	84.56	
78-59-1	Isophorone	88.89	
88-75-5	2-Nitrophenol	86.01	
105-67-9	2,4-Dimethylphenol	81.52	
111-91-1	bis(2-Chloroethoxy)methane	86.41	
120-83-2	2,4-Dichlorophenol	88.05	
91-20-3	Naphthalene	79.66	
106-47-8	4-Chloroaniline	47.32	
87-68-3	Hexachlorobutadiene	71.08	
10-60-2	Caprolactam	23.65	
59-50-7	4-Chloro-3-methylphenol	87.83	
91-57-6	2-Methylnaphthalene	78.99	
77-47-4	Hexachlorocyclopentadiene	62.88	
88-06-2	2,4,6-Trichlorophenol	92.06	
95-95-4	2,4,5-Trichlorophenol	87.28	
91-58-7	2-Chloronaphthalene	83.72	
88-74-4	2-Nitroaniline	90.33	
131-11-3	Dimethylphthalate	90.09	
606-20-2	2,6-Dinitrotoluene	90.55	
208-96-8	Acenaphthylene	86.85	
99-09-2	3-Nitroaniline	86.44	
83-32-9	Acenaphthene	89.10	
51-28-5	2,4-Dinitrophenol	72.72	
100-02-7	4-Nitrophenol	48.64	
132-64-9	Dibenzofuran	86.14	
121-14-2	2,4-Dinitrotoluene	91.69	
84-66-2	Diethylphthalate	88.18	
7005-72-3	4-Chlorophenyl-phenylether	89.34	
86-73-7	Fluorene	88.41	
100-01-6	4-Nitroaniline	83.08	
86-30-6	N-Nitrosodiphenylamine	114.6	

Pace Analytical Services

TARGET COMPOUNDS

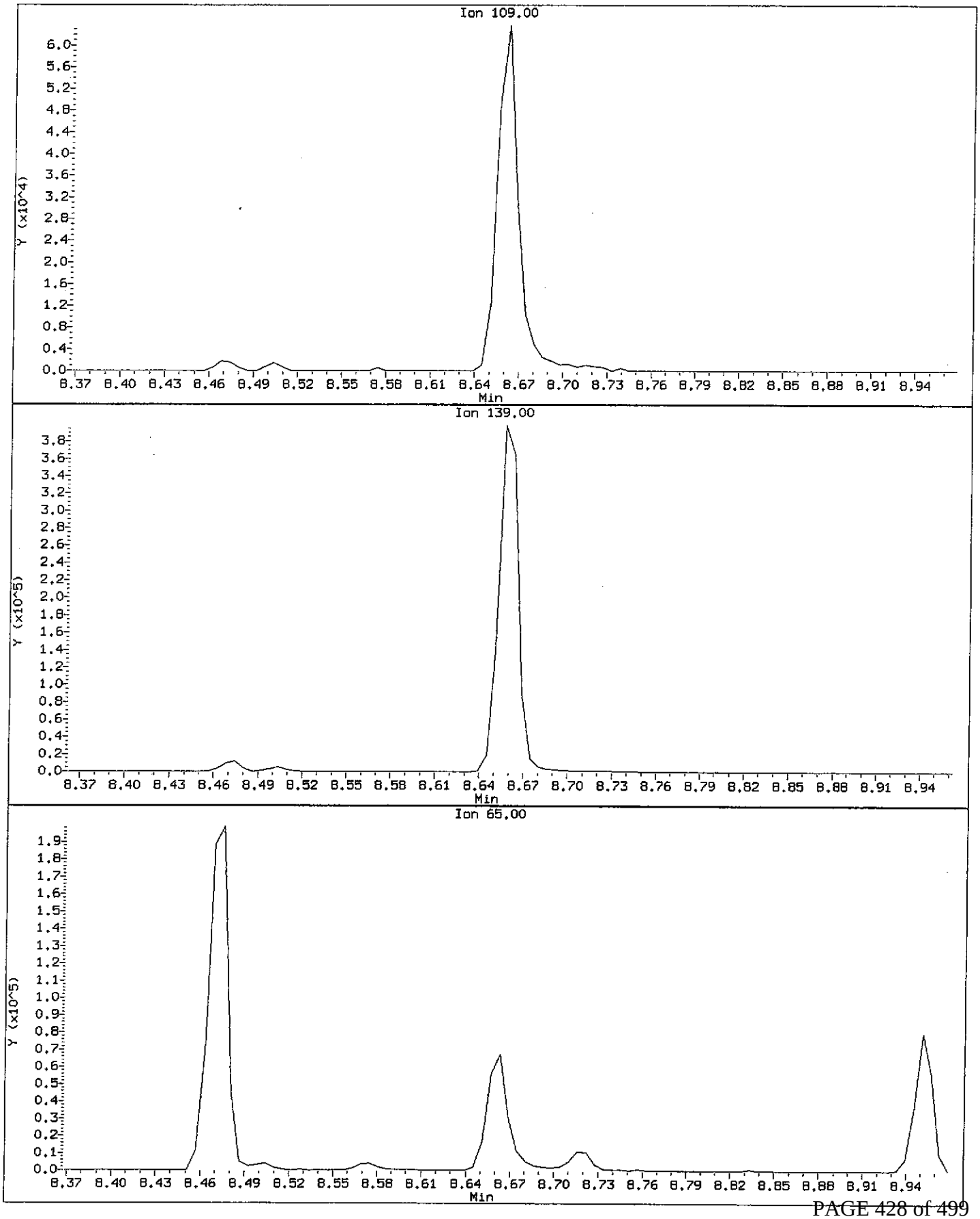
Client Name:
Lab Smp Id: 286985
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,LCS,tcllcs.spk

Client SDG: 041609.b
Client Smp ID: 286985
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
534-52-1	4,6-Dinitro-2-methylphenol	79.50	
101-55-3	4-Bromophenyl-phenylether	89.07	
118-74-1	Hexachlorobenzene	79.07	
1912-24-9	Atrazine	126.0	
87-86-5	Pentachlorophenol	74.75	
85-01-8	Phenanthrene	93.99	
120-12-7	Anthracene	92.65	
86-74-8	Carbazole	91.62	
84-74-2	Di-n-butylphthalate	88.71	
206-44-0	Fluoranthene	91.72	
129-00-0	Pyrene	94.72	
85-68-7	Butylbenzylphthalate	86.46	
117-81-7	bis(2-Ethylhexyl)phthalate	86.08	
91-94-1	3,3'-Dichlorobenzidine	135.2	
56-55-3	Benzo(a)anthracene	98.38	
218-01-9	Chrysene	92.90	
117-84-0	Di-n-octylphthalate	83.68	
205-99-2	Benzo(b)fluoranthene	95.76	
207-08-9	Benzo(k)fluoranthene	81.89	
50-32-8	Benzo(a)pyrene	91.58	
53-70-3	Dibenz(a,h)anthracene	99.76	
193-39-5	Indeno(1,2,3-cd)pyrene	101.9	
191-24-2	Benzo(g,h,i)perylene	99.22	
367-12-4	2-Fluorophenol (S)	59.08	
13127-88-3	Phenol-d6 (S)	38.04	
4165-60-0	Nitrobenzene-d5 (S)	88.80	
321-60-8	2-Fluorobiphenyl (S)	86.90	
	2,4,6-Tribromophenol (S)	80.85	
98904-43-9	Terphenyl-d14 (S)	84.34	

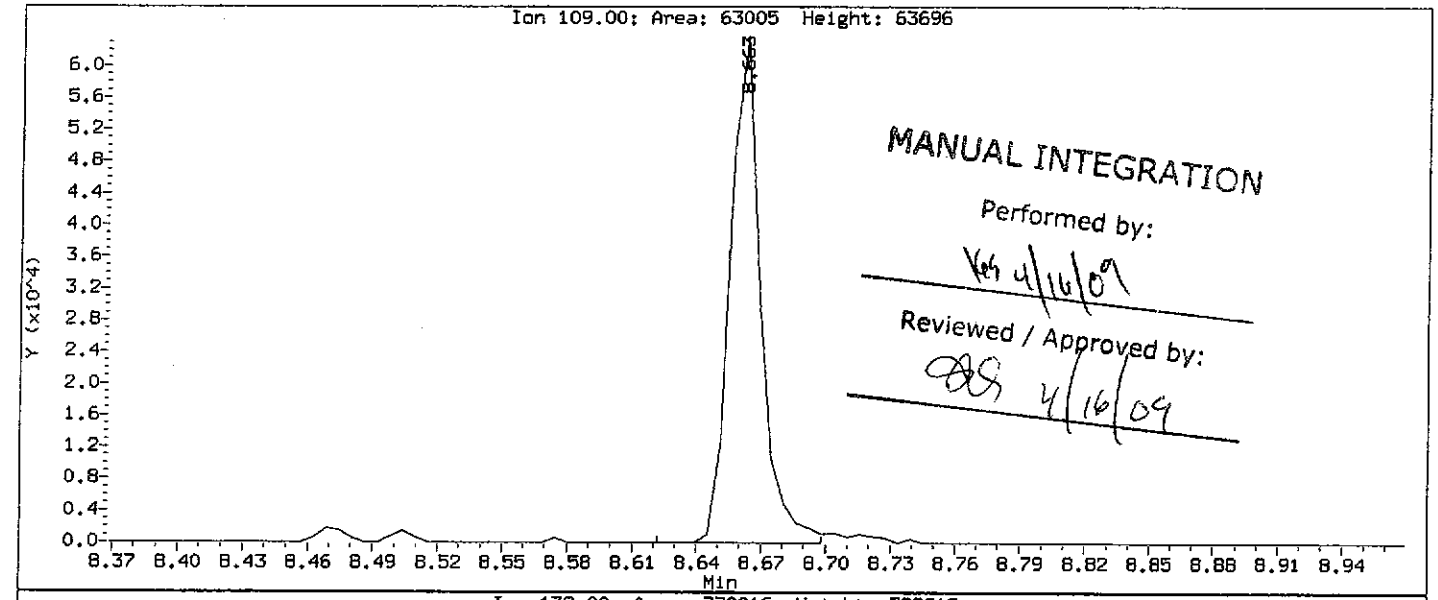
Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

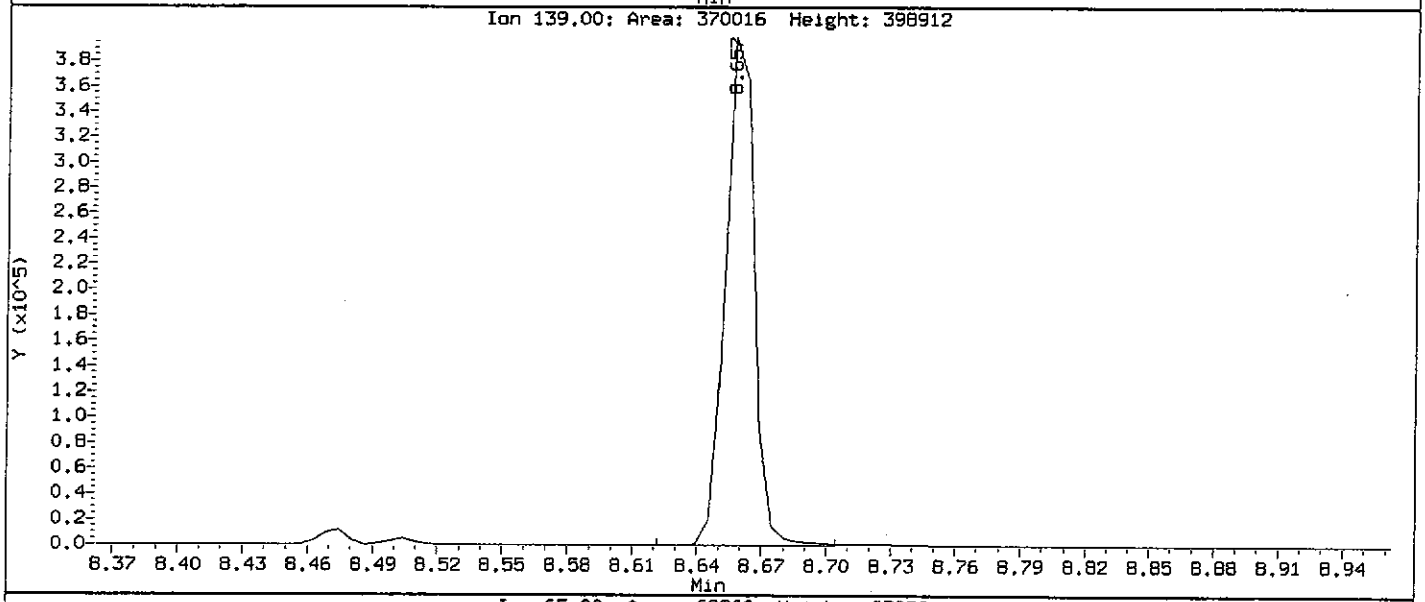
Compound: 4-Nitrophenol
CAS Number: 100-02-7

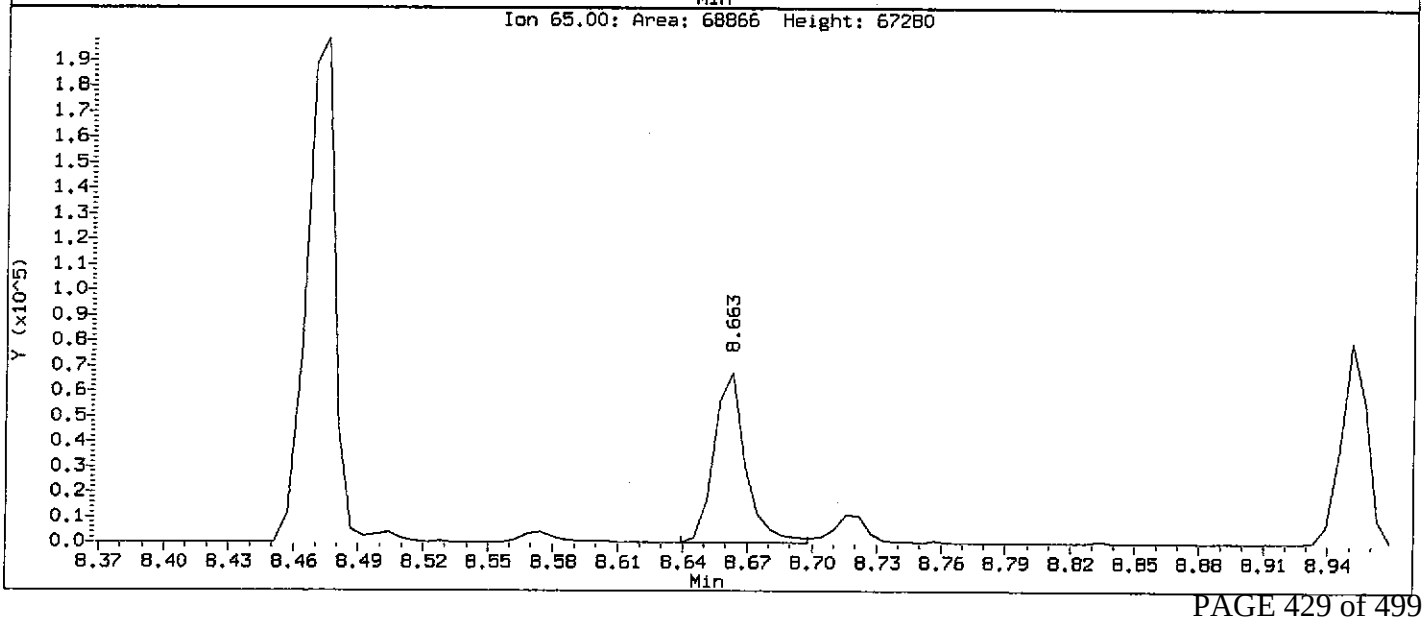


Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: 4-Nitrophenol
CAS Number: 100-02-7

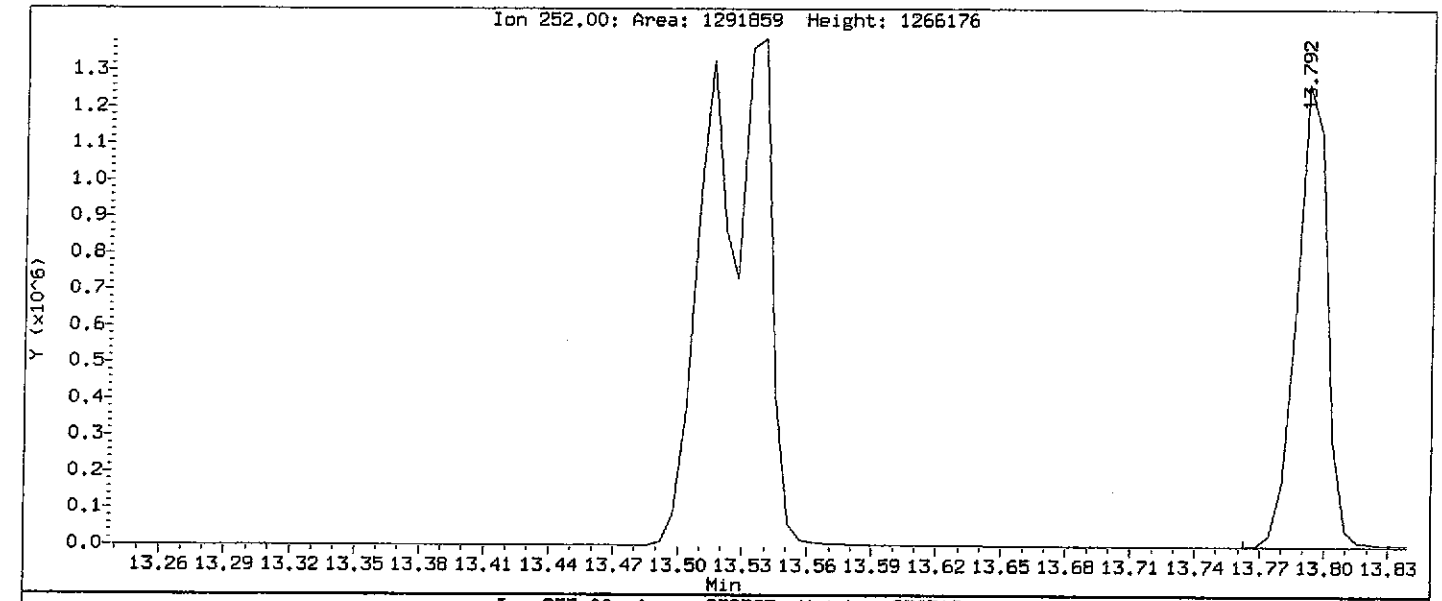


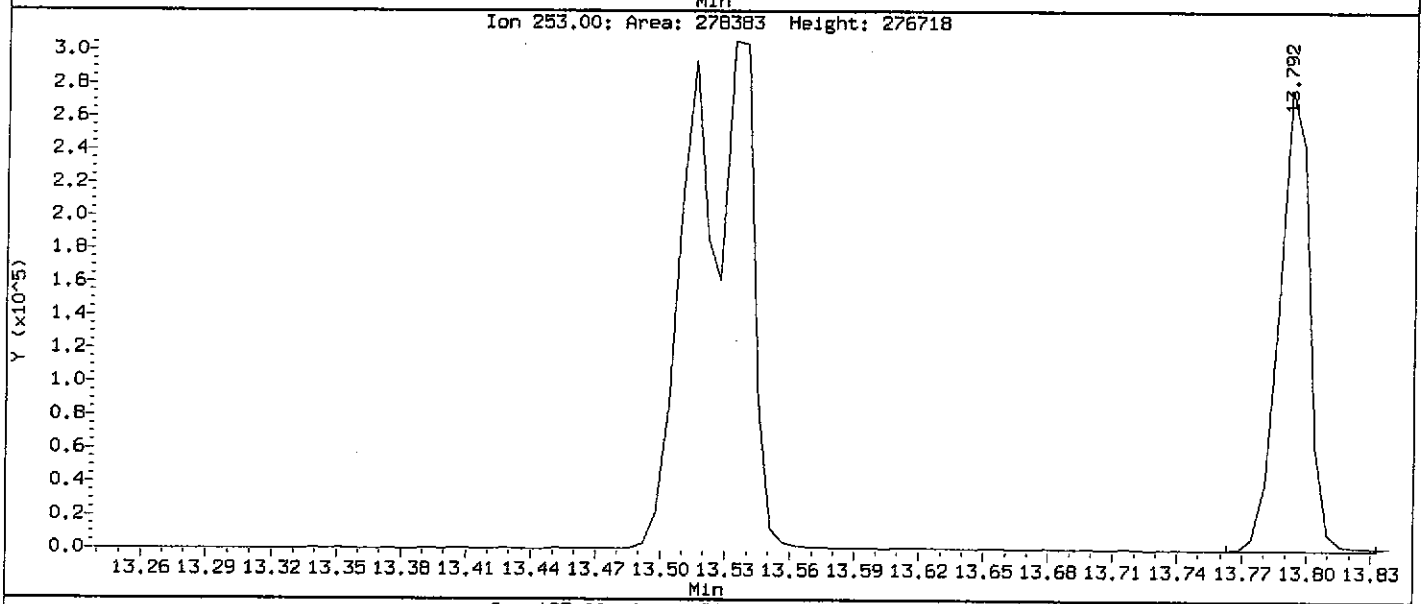


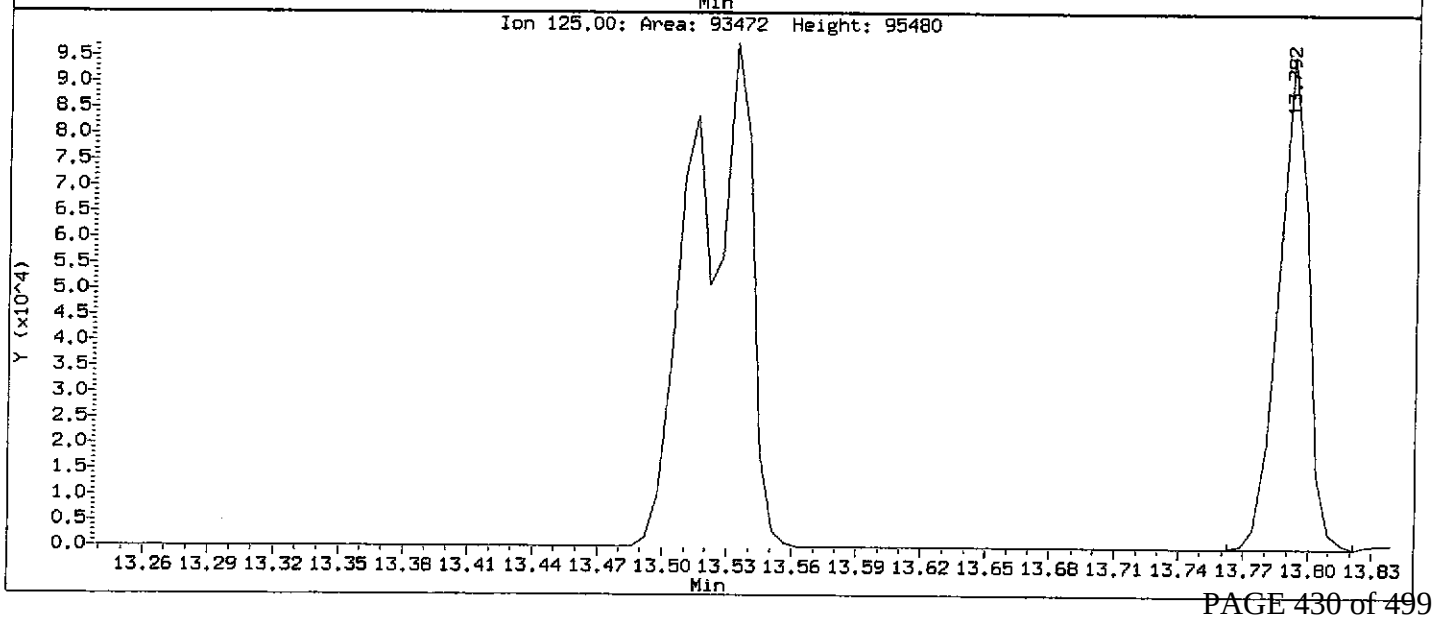


Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9

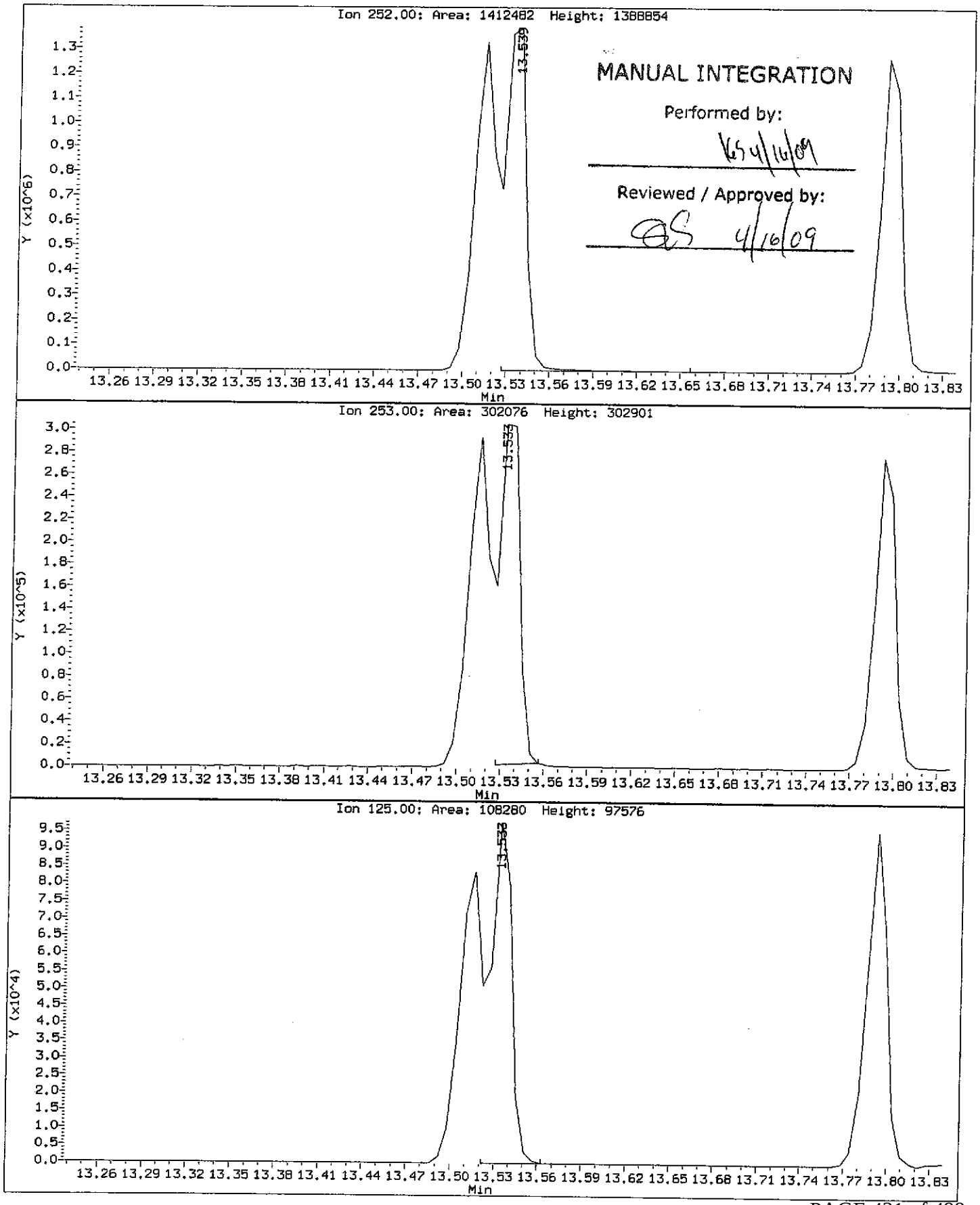






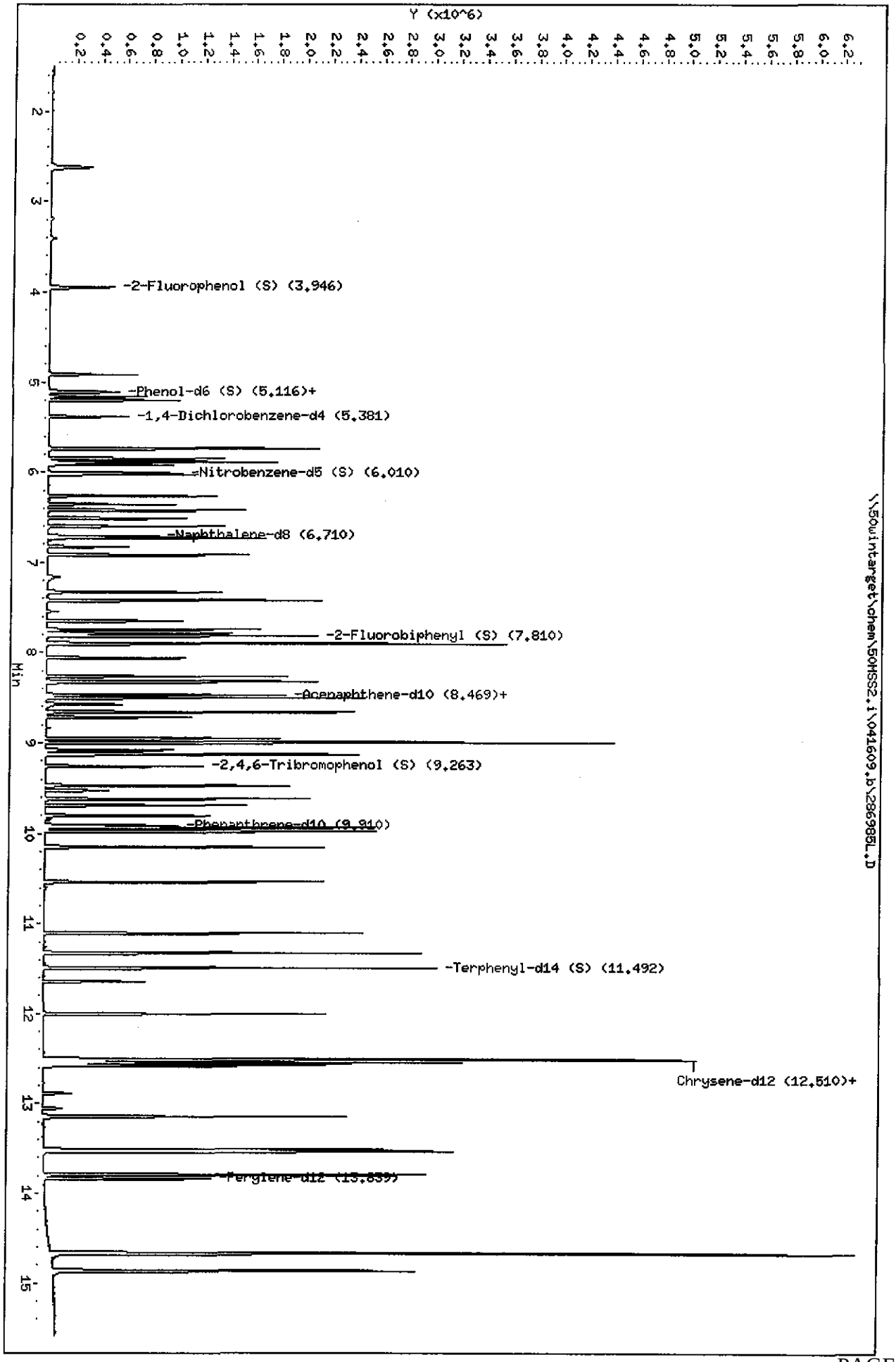
Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Injection Date: 16-APR-2009 12:11
Instrument: 50MSS2.i
Client Sample ID: 286985

Compound: Benzo(k)fluoranthene
CAS Number: 207-08-9



Data File: \\50wintarget\chem\50MSS2.i\041609.b\286985L.D
Date : 16-APR-2009 12:11
Client ID: 286985
Sample Info: 286985
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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Section 5: Method Blank Data

**** Method Blanks***

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\286984b.D
Lab Smp Id: 286984 Client Smp ID: 286984
Inj Date : 16-APR-2009 11:51
Operator : KES Inst ID: 50MSS2.i
Smp Info : 286984
Misc Info : ,1,,3,BLANK
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:17 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 18 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.732)	174068	59.2000	59.20
$ 5 Phenol-d6 (S)	99	5.098	5.110	(0.946)	135552	36.6548	36.65
* 10 1,4-Dichlorobenzene-d4	152	5.386	5.386	(1.000)	102670	40.0000	(Q)
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.010	(0.895)	354584	92.3907	92.39
* 30 Naphthalene-d8	136	6.710	6.710	(1.000)	362716	40.0000	
$ 40 2-Fluorobiphenyl (S)	172	7.810	7.815	(0.922)	709327	95.2894	95.29(R)
* 47 Acenaphthene-d10	164	8.468	8.474	(1.000)	206463	40.0000	
$ 61 2,4,6-Tribromophenol (S)	330	9.256	9.262	(0.934)	143000	80.6771	80.68
* 66 Phenanthrene-d10	188	9.909	9.915	(1.000)	368540	40.0000	
$ 74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	903969	86.6763	86.68
* 78 Chrysene-d12	240	12.521	12.527	(1.000)	459096	40.0000	
* 85 Perylene-d12	264	13.839	13.844	(1.000)	450277	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 286984b.D
Lab Smp Id: 286984
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,BLANK

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 286984
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	102670	-22.25
30 Naphthalene-d8	476075	238038	952150	362716	-23.81
47 Acenaphthene-d10	281638	140819	563276	206463	-26.69
66 Phenanthrene-d10	486545	243273	973090	368540	-24.25
78 Chrysene-d12	638470	319235	1276940	459096	-28.09
85 Perylene-d12	587604	293802	1175208	450277	-23.37

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.39	-0.00
30 Naphthalene-d8	6.71	6.21	7.21	6.71	-0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.05
85 Perylene-d12	13.84	13.34	14.34	13.84	-0.04

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

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RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 286984
Level: LOW
Data Type: MS DATA
SpikeList File: MS-S.spk
Sublist File: TCL.sub
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1,,3,BLANK

Client SDG: 041609.b
Fraction: SV
Client Smp ID: 286984
Operator: KES
SampleType: BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	59.20	59.20	25-78
$ 5 Phenol-d6 (S)	100.0	36.65	36.65	13-80
$ 21 Nitrobenzene-d5 (S	100.0	92.39	92.39	38-129
$ 40 2-Fluorobiphenyl (	100.0	95.29	95.29*	25-78
$ 61 2,4,6-Tribromophen	100.0	80.68	80.68	35-130
$ 74 Terphenyl-d14 (S)	100.0	86.68	86.68	10-116

Pace Analytical Services

TARGET COMPOUNDS

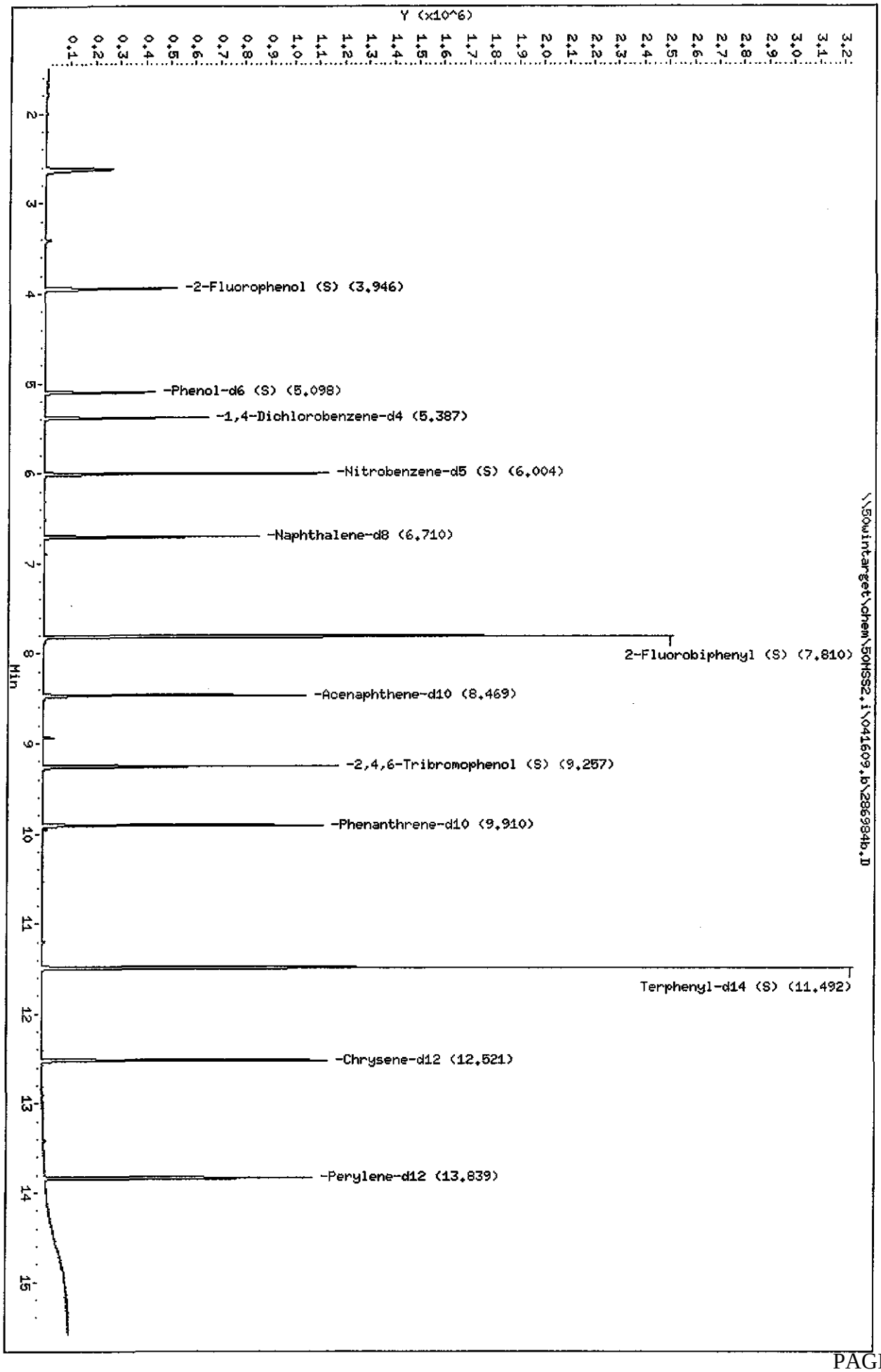
Client Name:
Lab Smp Id: 286984
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1,,3,BLANK

Client SDG: 041609.b
Client Smp ID: 286984
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
367-12-4	2-Fluorophenol (S)	59.20	
13127-88-3	Phenol-d6 (S)	36.65	
4165-60-0	Nitrobenzene-d5 (S)	92.39	
321-60-8	2-Fluorobiphenyl (S)	95.29	
	2,4,6-Tribromophenol (S)	80.68	
98904-43-9	Terphenyl-d14 (S)	86.68	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\286984b.D
Date : 16-APR-2009 11:51
Client ID: 286984
Sample Info: 286984
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: KES
Column diameter: 0.25



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Section 6: Client Sample Data

**** Client Sample Raw Data***
**** Dilutions or Reruns of Client Samples***
(Sample data should be in numerical order by Lab Number)

Pace Analytical Services

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\50wintarget\chem\50MSS2.i\041609.b\5025200005.D
Lab Smp Id: 5025200005 Client Smp ID: 005
Inj Date : 16-APR-2009 14:12
Operator : KES Inst ID: 50MSS2.i
Smp Info : 5025200005
Misc Info : ,1
Comment :
Method : \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Meth Date : 29-Apr-2009 09:27 50MSS2.i Quant Type: ISTD
Cal Date : 08-APR-2009 12:36 Cal File: 100ppm.D
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TCL.sub
Target Version: 4.14
Processing Host: 50SEMI-LACK

Concentration Formula: Amt * DF * Vf/Vi * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vf	1000.000	Final extract volume
Vi	1000.000	Initial sample volume
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)
$ 3 2-Fluorophenol (S)	112	3.945	3.945	(0.733)	152556	56.6470	56.65
$ 5 Phenol-d6 (S)	99	5.098	5.110	(0.948)	116829	34.4921	34.49
* 10 1,4-Dichlorobenzene-d4	152	5.380	5.386	(1.000)	94037	40.0000	(Q)
$ 21 Nitrobenzene-d5 (S)	82	6.004	6.010	(0.895)	318600	92.0776	92.08
* 30 Naphthalene-d8	136	6.710	6.710	(1.000)	327015	40.0000	
$ 40 2-Fluorobiphenyl (S)	172	7.810	7.815	(0.922)	614518	89.4071	89.41(R)
* 47 Acenaphthene-d10	164	8.468	8.474	(1.000)	190635	40.0000	
$ 61 2,4,6-Tribromophenol (S)	330	9.257	9.262	(0.934)	126983	78.9617	78.96
* 66 Phenanthrene-d10	188	9.909	9.915	(1.000)	334984	40.0000	
$ 74 Terphenyl-d14 (S)	244	11.492	11.492	(1.160)	729972	77.2927	77.29
* 78 Chrysene-d12	240	12.515	12.527	(1.000)	434262	40.0000	
* 85 Perylene-d12	264	13.833	13.844	(1.000)	435810	40.0000	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

Pace Analytical Services

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5025200005.D
Lab Smp Id: 5025200005
Analysis Type: SV
Quant Type: ISTD
Operator: KES
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Calibration Date: 16-APR-2009
Calibration Time: 09:50
Client Smp ID: 005
Level: LOW
Sample Type: WATER

Test Mode:
Use Last Continuing Calibrator.
If Continuing Cal. use Initial Cal. Level 6

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	132045	66023	264090	94037	-28.78
30 Naphthalene-d8	476075	238038	952150	327015	-31.31
47 Acenaphthene-d10	281638	140819	563276	190635	-32.31
66 Phenanthrene-d10	486545	243273	973090	334984	-31.15
78 Chrysene-d12	638470	319235	1276940	434262	-31.98
85 Perylene-d12	587604	293802	1175208	435810	-25.83

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
10 1,4-Dichlorobenze	5.39	4.89	5.89	5.38	-0.11
30 Naphthalene-d8	6.71	6.21	7.21	6.71	0.00
47 Acenaphthene-d10	8.47	7.97	8.97	8.47	-0.07
66 Phenanthrene-d10	9.92	9.42	10.42	9.91	-0.06
78 Chrysene-d12	12.53	12.03	13.03	12.52	-0.09
85 Perylene-d12	13.84	13.34	14.34	13.83	-0.08

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Pace Analytical Services

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: 5025200005
Level: LOW
Data Type: MS DATA
SpikeList File: MS-S.spk
Sublist File: TCL.sub
Method File: \\50wintarget\chem\50MSS2.i\041609.b\8270t.m
Misc Info: ,1

Client SDG: 041609.b
Fraction: SV
Client Smp ID: 005
Operator: KES
SampleType: SAMPLE
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol (S)	100.0	56.65	56.65	25-78
$ 5 Phenol-d6 (S)	100.0	34.49	34.49	13-80
$ 21 Nitrobenzene-d5 (S	100.0	92.08	92.08	38-129
$ 40 2-Fluorobiphenyl (	100.0	89.41	89.41*	25-78
$ 61 2,4,6-Tribromophen	100.0	78.96	78.96	35-130
$ 74 Terphenyl-d14 (S)	100.0	77.29	77.29	10-116

Pace Analytical Services

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 5025200005
Sample Location:
Sample Date:
Sample Matrix: WATER
Analysis Type: SV
Data Type: MS DATA
Misc Info: ,1

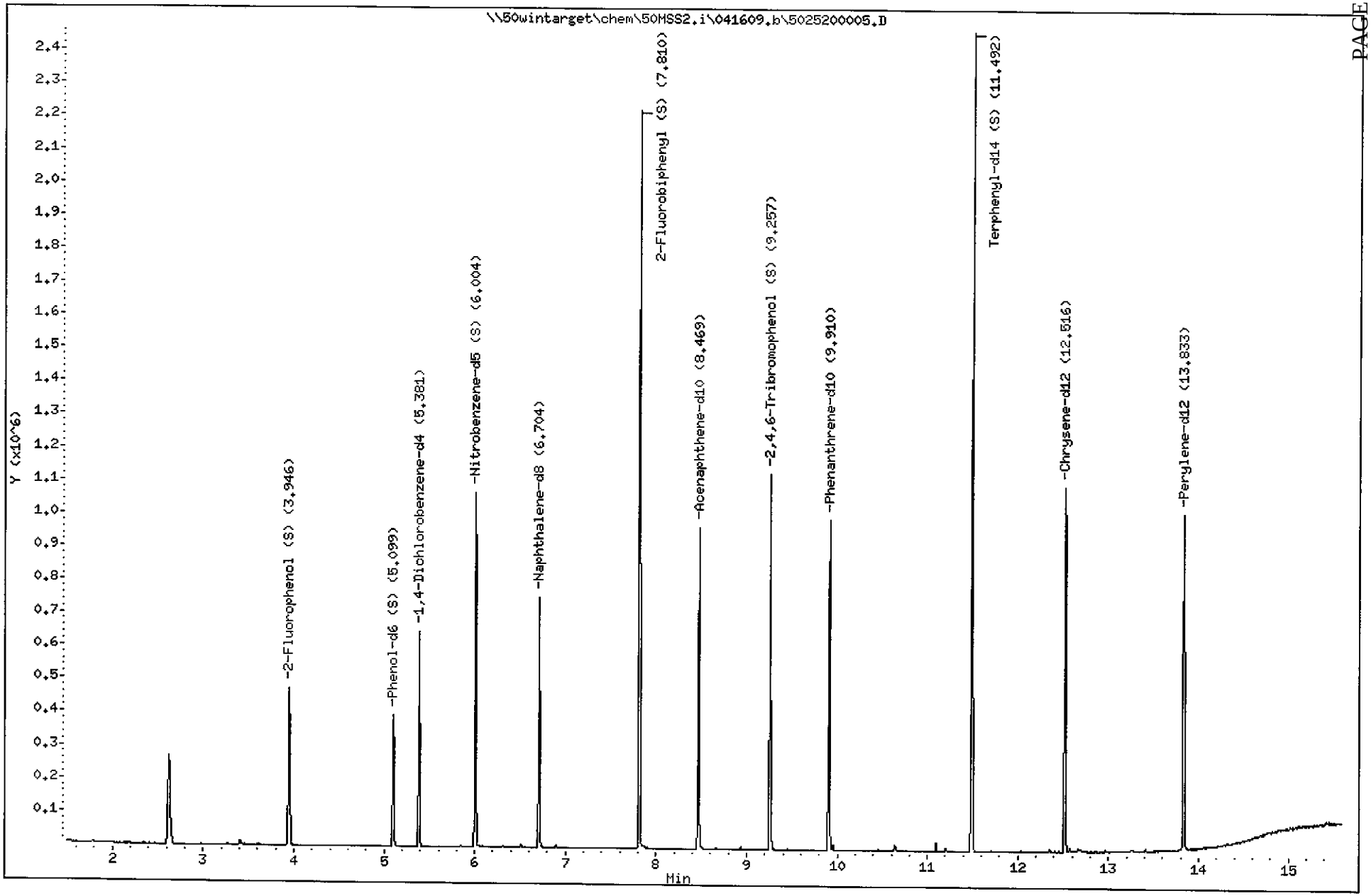
Client SDG: 041609.b
Client Smp ID: 005
Sample Point:
Date Received:
Quant Type: ISTD
Level: LOW
Operator: KES

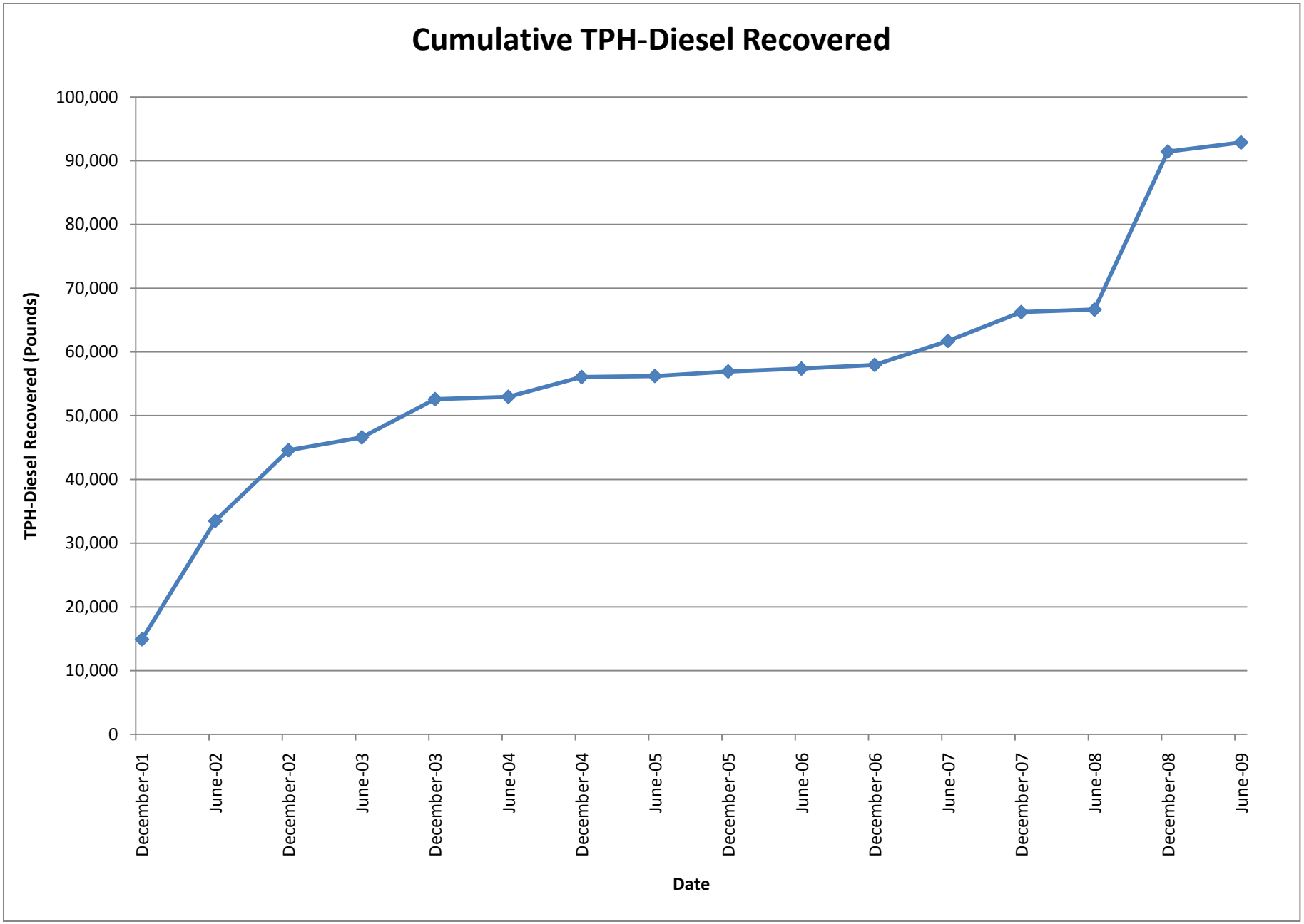
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
367-12-4	2-Fluorophenol (S)	56.65	
13127-88-3	Phenol-d6 (S)	34.49	
4165-60-0	Nitrobenzene-d5 (S)	92.08	
321-60-8	2-Fluorobiphenyl (S)	89.41	
	2,4,6-Tribromophenol (S)	78.96	
98904-43-9	Terphenyl-d14 (S)	77.29	

Data File: \\50wintarget\chem\50MSS2.i\041609.b\5025200005.D
Date : 16-APR-2009 14:12
Client ID: 005
Sample Info: 5025200005
Volume Injected (uL): 1000.0
Column phase: .50um DB-5ms

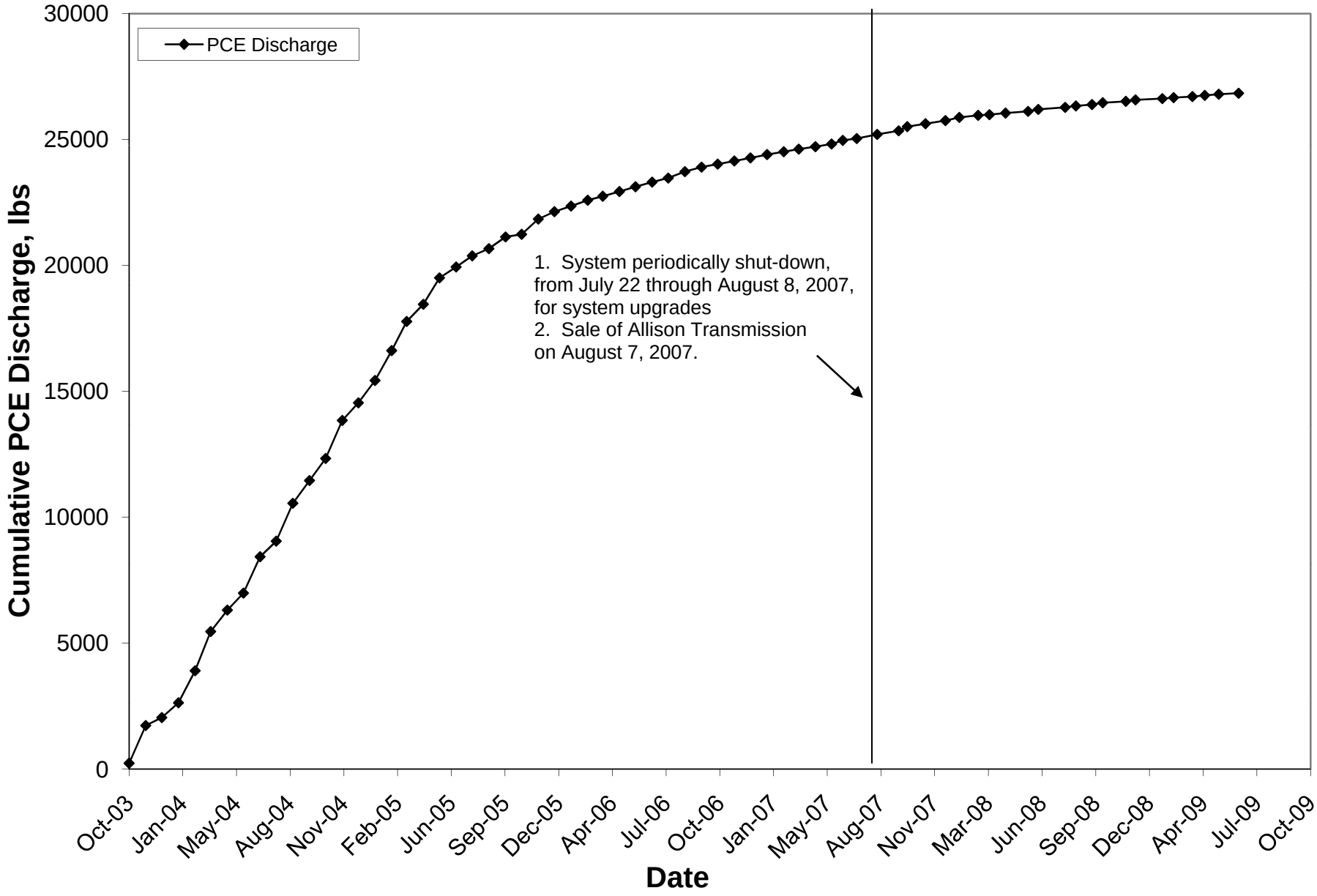
Instrument: 50MSS2.i

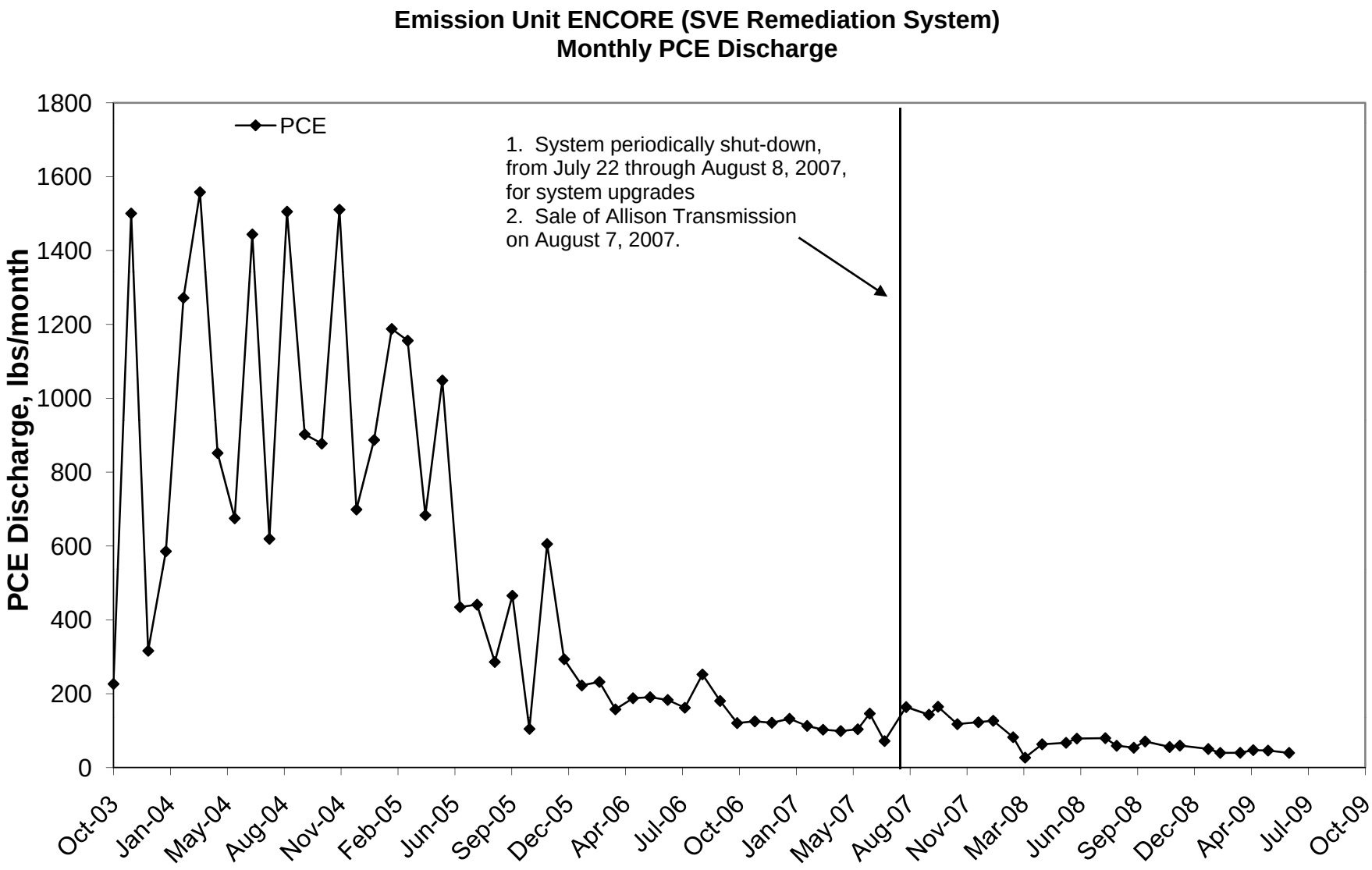
Operator: KES
Column diameter: 0.25

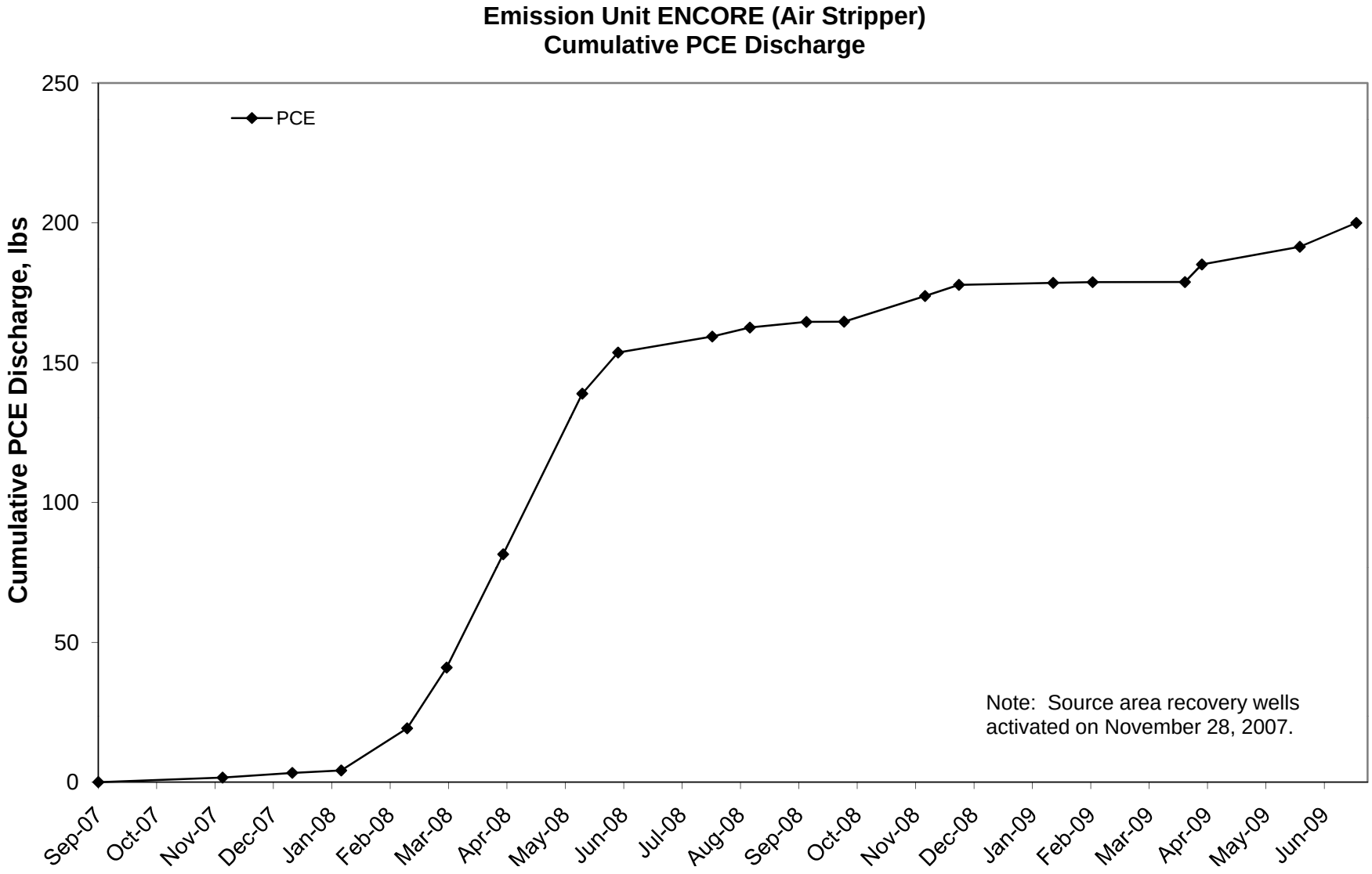
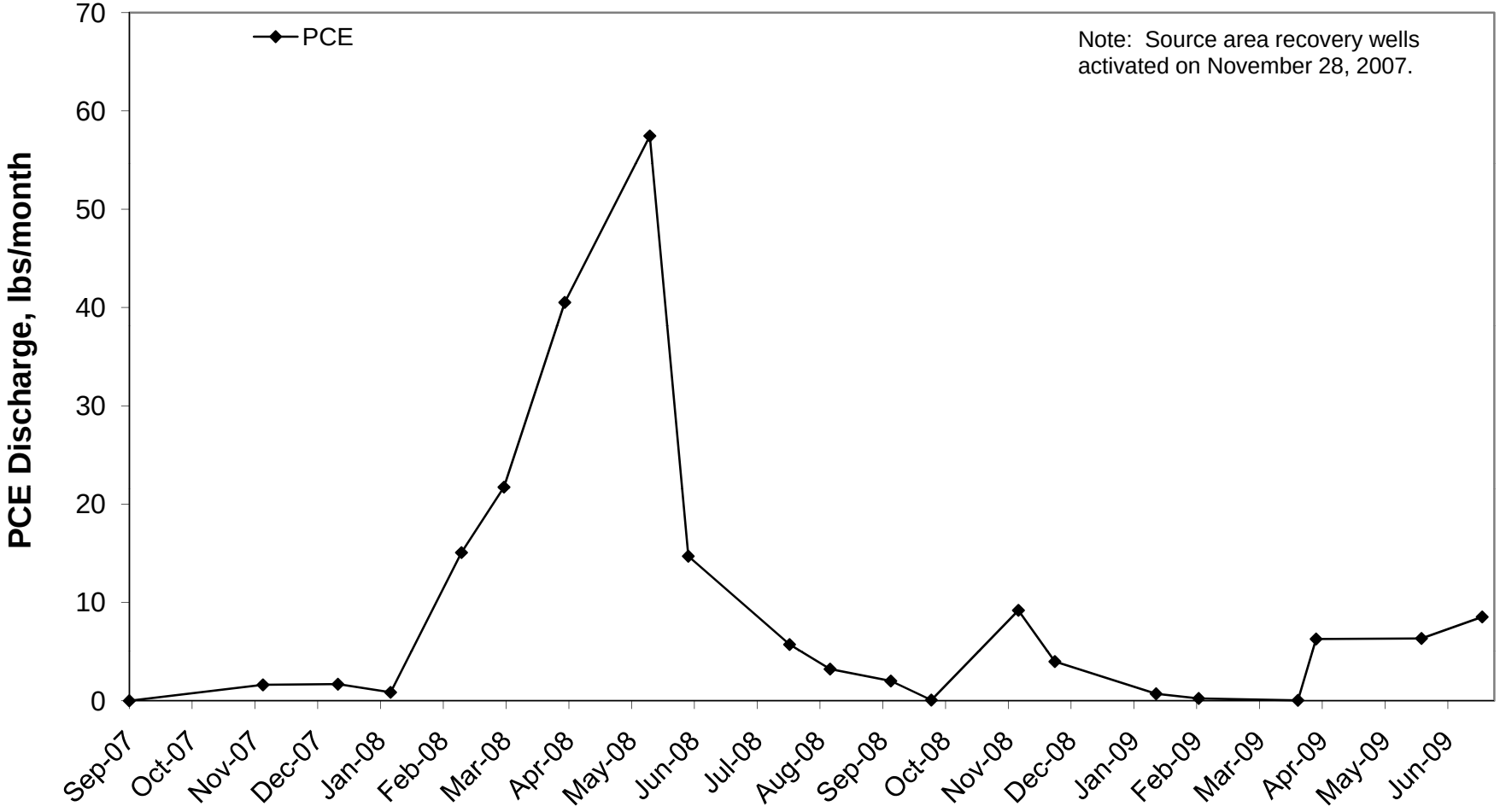



Cumulative TPH-Diesel Recovered
TPH-Diesel Recovered (Pounds)
100,000
90,000
80,000
70,000
60,000
50,000
40,000
30,000
20,000
10,000
0
December-01
June-02
December-02
June-03
December-03
June-04
December-04
June-05
December-05
June-06
December-06
June-07
December-07
June-08
December-08
June-09
Date

Emission Unit ENCORE (SVE Remediation System)
Cumulative PCE Discharge




Emission Unit ENCORE (SVE Remediation System)
Monthly PCE Discharge
PCE
1. System periodically shut-down, from July 22 through August 8, 2007, for system upgrades
2. Sale of Allison Transmission on August 7, 2007.
PCE Discharge, lbs/month
1800
1600
1400
1200
1000
800
600
400
200
0
Oct-03
Jan-04
May-04
Aug-04
Nov-04
Feb-05
Jun-05
Sep-05
Dec-05
Apr-06
Jul-06
Oct-06
Jan-07
May-07
Aug-07
Nov-07
Mar-08
Jun-08
Sep-08
Dec-08
Apr-09
Jul-09
Oct-09


Emission Unit ENCORE (Air Stripper)
Cumulative PCE Discharge
PCE
Cumulative PCE Discharge, lbs
250
200
150
100
50
0
Sep-07
Oct-07
Nov-07
Dec-07
Jan-08
Feb-08
Mar-08
Apr-08
May-08
Jun-08
Jul-08
Aug-08
Sep-08
Oct-08
Nov-08
Dec-08
Jan-09
Feb-09
Mar-09
Apr-09
May-09
Jun-09
Note: Source area recovery wells activated on November 28, 2007.

Emission Unit ENCORE (Air Stripper)
Monthly PCE Discharge