



Environment

Prepared for:
Tyco Fire Protection
1501 Yamato Road
Boca Raton, FL 33431

Prepared by:
AECOM
Amherst, NY
60242861.1
May 23, 2012

Periodic Review Report (April 7, 2011 through April 3, 2012)

Former Scott Aviation Facility
Lancaster, New York
NYSDEC Site Code No. 9-15-149





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List of Acronyms

AECOM	AECOM Technical Services, Inc.
AS	air stripper
bgs	below ground surface
BSA	Buffalo Sewer Authority
cis-1,2 DCE	cis-1,2-dichloroethene
CD	compact disc
1,1-DCA	1,1-dichloroethane
DPE	Dual Phase Extraction
ft	feet
gpm	gallons per minute
GWCT	Groundwater Collection Trench
GWTB	Groundwater Treatment Building
HES	Heritage Environmental Services, LLC
lb/hr	pounds per hour
LNAPL	Light Non Aqueous Phase Liquid
LRP	Liquid Ring Pump
Matrix	Matrix Environmental Technologies, Inc.
MVS	Mechanical Volatilization System
µg/m ³	micrograms per cubic meter
µg/L	micrograms per liter
NYCRR	New York Code of Rules and Regulations
NYSDEC	State of New York Department of Environmental Conservation
O&M	Operation and Maintenance
PRR	Periodic Review Report
RAER	Remedial Action Engineering Report
RAO	Remedial Action Objective
RDWP	Remedial Design Work Plan
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
SICR	Site Investigation Completion Report
SVE	Soil Vapor Extraction
1,1,1-TCA	1,1,1-trichloroethane

TCE	Trichloroethene
TEH	Total Extractable Hydrocarbons
TSS	Total Suspended Solids
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VC	Vinyl Chloride
VOC	Volatile Organic Compound

Certification

I hereby certify, as a Professional Engineer licensed in the State of New York, that this "Periodic Review Report (April 7, 2011 through April 3, 2012)," prepared by AECOM Technical Services, Inc. for Tyco Fire Protection, was completed in conformance with accepted standards of practice for a project of this scope and nature, as well as the requirements of State of New York, Department of Environmental Conservation (NYSDEC), Order on Consent, Index No. B9-0377095-05, for the former Scott Aviation property (formerly Figgie International), NYSDEC Site Code No. 9-15-149.

Warning: It is a violation of the New York State Education Law for any person, unless acting under the direction of a licensed professional engineer, to alter an item in these plans or report in any way. If alterations are required, they shall be made in accordance with Article 145, Subsection 7209 of the New York State Education Law.

Signature:  
Scott A. Underhill, P.E.
New York License No. 075332
AECOM Technical Services, Inc.

Date: May 23, 2012

1.0 Introduction

On behalf of Tyco Fire Protection and pursuant to the requirements of State of New York, Department of Environmental Conservation (NYSDEC), Order on Consent, Index No. B9-0377095-05, AECOM Technical Services, Inc. (AECOM) prepared this Periodic Review Report (PRR) to summarize the operation and maintenance (O&M) and groundwater monitoring activities for the combined dual phase extraction (DPE) remediation system at the former Scott Aviation property (the "Site"), NYSDEC Site Code No. 9-15-149, located at 225 Erie Street, Village of Lancaster, County of Erie, State of New York (**Figure 1**). A selected remedy for soil and groundwater was described in the Record of Decision (ROD), Scott Aviation Site, Village of Lancaster, Erie County, Site Number 915149, which was signed into Declaration on November 7, 1994 (NYSDEC, November 1994). The reporting period discussed herein encompasses the period between April 2011 and April 2012.

1.1 Report Organization

The purpose of this PRR is to provide a summary of the current remediation system configuration, to describe significant O&M and groundwater monitoring activities, to discuss overall remediation system performance during the reporting period, and to provide recommendations for future combined DPE remediation system operation.

This PRR was developed to adhere to NYSDEC site investigation and remediation requirements (NYSDEC, December 2002). More specifically, this report provides the following information:

- Report organization details, a brief summary of Site history, previous Site investigations, and remediation activities, and remedial action objectives (RAOs) for the Site (Section 1.0);
- A description of the current combined DPE remediation system configuration and detailed summary of O&M activities performed during the reporting period (Section 2.0);
- A groundwater monitoring program summary including a description of groundwater monitoring activities completed during the reporting period, a detailed review of the April 2012 comprehensive groundwater monitoring event, and a comparison of historical comprehensive groundwater analytical results to the April 2012 comprehensive groundwater analytical results (Section 3.0);
- A summary of groundwater remediation system monitoring and remediation progress (Section 4.0);
- Conclusions, a description of upcoming Site-related activities, and a proposed monitoring and compliance sampling schedule (Section 5.0);
- Certification of the Institutional Controls and Engineering Controls; and
- References used in the preparation of this report (Section 6.0).

1.2 Site Background

The following subsections present a brief summary of Site history and previous investigation and remediation activities.

1.2.1 Site Geology/Hydrogeology

The native soils underlying the site generally consist of interbedded silts and clays with discontinuous sporadic fine sand lenses (shallow overburden). A thin coarse grained layer is located above the bedrock (deep overburden). Based on the deep overburden wells, the average thickness of the overburden is approximately 21 feet (ft) below ground surface (bgs); ranging from 20 ft in the south to 26 ft in the north.

Groundwater is first encountered at the Site in the shallow overburden and then again just above the bedrock. The natural flow of groundwater at the Site is to the northwest. Depth to groundwater across the Site in both the shallow and deep overburden is measured quarterly and is discussed in detail in Section 3.2 below.

1.2.2 Site Remedial Investigation/Feasibility Study

A 3,000-gallon underground storage tank (UST) was previously located at the Site, immediately adjacent to the southwest corner of Scott Aviation Plant 2 (**Figure 2**). The UST was used to store waste cutting oil and spent chlorinated solvents generated during manufacturing operations conducted in Plant 2. Activities at Plant 2 have historically included the machining of piece parts from metal feedstock and the fabrication of cores to fit into devices that provide emergency oxygen upon demand in commercial aircraft (Earth Tech, April 2004).

During April 1991, the former Site owner, Figgie International, removed the aforementioned UST. Based on contamination discovered during the removal of the UST, Figgie International entered into a remedial investigation/feasibility study (RI/FS) Order on Consent with the NYSDEC on July 9, 1992, and an RI was initiated by Versar, Inc. on behalf of Figgie International in the immediate area surrounding the former UST location. The final RI report, approved by the NYSDEC on December 13, 1993, and indicated the presence of volatile organic compounds (VOCs) in excess of NYSDEC soil and groundwater guidance values to the west of Plant 2. A subsequent FS report was prepared by Figgie International and approved by the NYSDEC on August 29, 1994 (O'Brien & Gere, July 1996).

1.2.3 Record of Decision

Based on the results of the RI/FS, the NYSDEC prepared an ROD, dated November 7, 1994, which required remedial actions to be initiated to address contaminated soils and groundwater at the Site. The ROD specified that soil remediation would be accomplished by excavating all soils with VOCs above Site-specific RAOs and subsequently treating the soil on-Site using an ex situ soil vapor extraction (SVE) system. The established RAOs for the Site are presented in Table 1 and are discussed further in Section 1.3 of this report. The ROD also specified that groundwater remediation would be performed by installing a groundwater collection trench (GWCT) west of Plant 2 to induce hydraulic capture of groundwater impacted with VOCs and by constructing an associated groundwater treatment system. An ROD Amendment approving the use of a Mechanical Volatilization System (MVS) to treat excavated soils in lieu of the proposed ex situ SVE system was issued by the NYSDEC on April 19, 1995 (O'Brien & Gere, July 1996).

1.2.4 Previous Remediation Activities

This section summarizes previous soil and groundwater remedial activities performed at the Site.

1.2.4.1 Source Area Soil Excavation and Treatment

Following approval of the Remedial Design by the NYSDEC in September 1995, soil remediation actions were initiated. Soils to the west of Plant 2 in the vicinity of the former UST were excavated and treated on-Site using an MVS. The MVS process consisted of a screening plant and hammermill shredder that mechanically pulverized and aerated the excavated soil that had previously been amended with pulverized quick lime. Volatilization of the VOCs from the soil occurred as a result of the sieving and pulverizing actions and also because of the heat generated by the reaction of lime with moisture in the soil. Approximately 5,600 cubic yards of soil were excavated from depths ranging between 2 feet and 21 feet bgs (bedrock contact) and treated using the MVS. Based on analytical results for the treated soil (each individual VOC <1 milligram per kilogram and total VOCs <10 milligrams per kilogram), the NYSDEC approved backfilling the excavation with the originally excavated soil processed on-Site with the MVS on December 11, 1995. Backfilling of the excavation was completed on December 19, 1995.

1.2.4.2 Groundwater Collection Trench

In accordance with the ROD, a 200-foot long GWCT was constructed approximately 90 feet west of Plant 2 during February 1996. The purpose of the trench was to maintain hydraulic control of VOC-impacted groundwater. The bottom of the trench was excavated down to bedrock (approximately 25 ft bgs). The bottom five feet of the trench consists of rounded pea gravel and the top 20 feet of the trench was backfilled with remediated soils. A 6-inch diameter, slotted high density polyethylene pipe located at the bottom of the trench conveys water to a wet well located at the north end of the trench. The water is transferred from the wet well using a submersible pump through a 1-inch diameter Schedule 80 polyvinyl chloride pipe to a treatment system located in the Groundwater Treatment Building (GWTB) immediately west of Plant 2.

The groundwater treatment system consists of a low-profile shallow tray air stripper (AS) unit. Treated water from the AS unit is discharged under a City of Buffalo Pollutant Discharge Elimination System permit via a 2-inch diameter force main to the local sanitary sewer located south of the GWTB at Erie Street (O'Brien & Gere, July 1996). Start-up of the groundwater treatment system occurred on March 1 1996. **Figure 2** shows the location of the GWCT and GWTB.

1.2.5 Additional Investigation Activities

Annual groundwater monitoring completed in April 1998 indicated an increasing trend in VOC concentrations in MW-4, located to the west of the GWCT at the western property boundary of the Site. Additionally, light non aqueous phase liquid (LNAPL) was observed at MW-4 on the water level probe during a quarterly monitoring event conducted in November 1998. In April 1999, four new monitoring wells (designated MW-7, MW-8, MW-9, and MW-10) were installed to evaluate the extent and potential source of VOCs and LNAPL observed in MW-4. Based on repeated detections of VOCs and LNAPL in the groundwater to the west of the GWCT, a comprehensive site investigation was conducted in February 2003 to further assess the vertical and horizontal extent of VOCs and LNAPL.

During the 2003 investigation, LNAPL was observed in MW-8 only. A total of 21 direct push technology borings were advanced to the east and west of the GWCT to further assess the extent of impacted soils west of Plant 2. Results were summarized in the June 2003 Site Investigation Completion Report (SICR), and the data indicated the continued presence of chlorinated VOCs above the RAOs in the saturated soil and groundwater, primarily to the west of the GWCT (Earth Tech, June 2003).

1.2.6 Remedial Alternatives Analysis

Based upon the results of the 2003 investigation, a remedial alternatives analysis was completed and results were included in the SICR. DPE was recommended to be implemented to supplement the existing remediation system and to further remediate VOCs in soil and groundwater at the Site (Earth Tech, June 2003).

At the request of the NYSDEC, a Remedial Design Work Plan (RDWP) was prepared that provided a detailed description of the proposed DPE system recommended in the SICR (Earth Tech, November 2003). A discussion of DPE system construction, startup, and O&M activities during approximately the first year of operation (May 14, 2004 through July 19, 2005) is provided in the first Remedial Action Engineering Report (RAER; May 14, 2004 through July 19, 2005; Earth Tech, November 2005).

1.3 Remedial Action Objectives

Cleanup criteria for Site soil and groundwater are based on the RAOs established in the ROD (NYSDEC, November 1994). **Table 1** presents the Site-specific RAOs. The objectives for the combined soil and groundwater remediation system include:

1. Maintain hydraulic control of shallow groundwater and eliminate potential off-site migration of VOCs along the western property boundary.
2. Lower the groundwater table within the impacted source area to expose the aquifer matrix and subsequently extract soil vapors containing VOCs using enhanced vacuum extraction. By lowering the water table surface, the DPE system will induce groundwater flow toward the system extraction wells, thereby allowing the applied vacuum to more effectively remove VOCs in the exposed aquifer matrix.
3. Reduce the mass of VOCs in the subsurface and remediate Site soil and groundwater to meet RAOs.
4. Obtain No Further Action status for the Site.

2.0 Current Remediation System Configuration and Operation and Maintenance Summary

This section provides a description of the current remediation system configuration and a summary of remediation system O&M activities performed during the reporting period (April 7, 2011 through April 3, 2012) for the combined DPE remediation system.

2.1 Current Remediation System Description and Configuration

As described in Section 1.2.3.2 of this report, the initial groundwater remediation system installed at the Site consisted of a 200-foot long GWCT and an associated groundwater treatment system located to the west of Plant 2. The GWCT remediation system was combined to operate with a new DPE remediation system installed at the Site between February and May 2004. The combined remediation systems, known collectively as the combined DPE remediation system, began operation on May 14, 2004.

Figure 2 depicts the combined DPE remediation system including DPE system recovery wells, monitoring wells, and nested piezometers, DPE system piping locations, the DPE system trailer, and the pre-existing GWCT and GWTB. The DPE system consists of eight recovery wells. **Figure 3** presents a typical DPE recovery well construction diagram. Three additional monitoring wells (MW-8R, MW-11 and MW-12) and four pairs of nested piezometers (MW-13S/D through MW-16S/D) were also installed as part of DPE system construction activities and monitoring activities completed in 2004 and 2005. A typical nested piezometer construction diagram is shown in **Figure 4**. Monitoring well, nested piezometer, injection well and DPE system recovery well construction specifications are provided in **Table 2**. Section 2.0 of the first RAER provides a detailed summary of recovery well and monitoring well installation, subsequent DPE system installation, and DPE system equipment specifics (Earth Tech, November 2005). **Figure 5** presents the process and instrumentation diagram for the combined DPE remediation system.

During the reporting period, the combined DPE remediation system extracted groundwater and soil vapors from the shallow and deep recovery wells. Shallow recovery well, DPE-6 (located in former soil excavation area to the east of the GWCT), was inoperable due to excessive calcium hydroxide (lime) scale buildup issues. The optimization plan during the reporting period was to focus extraction on both the shallow and deep perched water-bearing unit, which consists of silty clays and silty sands, poorly sorted sands, and gravel respectively.

Recovery wells DPE-1, DPE-5, and DPE-6 were not operated since the first year of system operation due to lime scale. This scale caused continuous fouling of DPE recovery system conveyance piping and associated components and subsequently resulted in excessive downtime of the DPE system for maintenance. The scale recovered by these three extraction wells is attributed to historic soil remediation activities conducted at the Site that mixed excavated soil with pulverized quick lime. The treated soil was subsequently used as backfill in the vicinity of these recovery wells (refer to Section 1.2.3.1 of this report).

2.2 Combined DPE Remediation System Operation Summary

With the exception of system equipment breakdowns and malfunctions noted in Section 2.3.2 of this report, and the temporary shutdown during the chemical oxidation injection pilot test, the system ran with a total DPE system runtime of approximately 15 percent for the reporting period. This runtime percentage was derived in part from the liquid ring pump (LRP) hour meter. The low run time is a result of the intentional shutdown of the system to facilitate the chemical oxidation injection pilot test (the system was turned off April 7, 2011 through October 25, 2011). In addition, the system went down due to issues with the LRP between the first quarter 2012 and second quarter 2012 sampling events.

During the reporting period, the DPE system collected approximately 17,590 gallons of groundwater at an average flow rate of 0.17 gallons per minute (gpm). The GWCT collected approximately 354,678 gallons of groundwater at an average flow rate of 1.24 gpm. Therefore, the total combined DPE remediation system groundwater treated and discharged to the sanitary sewer by the AS unit effluent pump was approximately 372,268 gallons at a combined average flow rate of 1.41 gpm.

2.3 Routine DPE System Maintenance and Troubleshooting

The following subsections describe routine DPE system maintenance and troubleshooting as well as associated waste disposal that occurred during the reporting period.

2.3.1 Routine System Maintenance

During routine weekly site visits, AECOM personnel recorded system operating parameters, inspected and cleaned the various system components and piping, inspected and replaced filters (air and water), and maintained the LRP seal fluid levels. Minor system repairs were also made as necessary throughout the reporting period. The O&M data collected during the site visits was recorded using the O&M checklist presented in **Appendix A**. Data collected on these checklists are used to track the performance of the system.

2.3.2 System Troubleshooting

AECOM responded to system shutdowns and delays that required sporadic troubleshooting and maintenance during the reporting period. These activities are summarized below:

Third Quarter 2011 combined DPE remedial system O&M:

- The combined DPE groundwater remediation system was temporarily shut down immediately following the second quarter groundwater sampling event in April 2011 for the chemical oxidation injection pilot test.
- On July 26, 2011, Heritage Environmental Services transported and disposed one 55-gallon drum containing sediment, bag filters, and miscellaneous debris. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between January 2011 and July 2011.

Fourth Quarter 2011 combined DPE remedial system O&M:

- As stated above, the combined DPE groundwater remediation system was temporarily shut down immediately following the second quarter groundwater sampling event in April 2011 for

the chemical oxidation injection pilot test. As a result, no O&M activities were required on the remediation system during the fourth quarter 2011.

First Quarter 2012 combined DPE remedial system O&M:

- On October 24, 2011, AECOM and subcontractor Matrix Environmental Technologies Inc. (Matrix) performed the annual O&M activity and on October 25, 2011 restarted the combined GWCT and DPE remediation systems. Per approval by NYSDEC, the combined GWCT and DPE remediation systems had been turned off during the chemical oxidation pilot test.
- On October 25-26, 2011, Matrix performed the annual scale abatement activity of select DPE wells (DPE-1, DPE-2, DPE-3 and DPE-5) and associated conveyance piping.
- On November 21, 2011, the DPE system trailer was winterized.
- The DPE system was observed down on December 7, 2011 (LRP alarm); Matrix restarted the system on December 8, 2011.
- The DPE system was observed down on December 19, 2011 (LRP alarm); Matrix restarted the system during the week of December 19, 2011.
- The DPE system was observed down on December 30, 2011 (LRP alarm); Matrix restarted the system on December 30, 2011 and repaired air stripper effluent totalizer.
- The DPE system was observed down on January 3, 2012 (LPR alarm); Matrix restarted the system on January 4, 2012.
- The DPE system was observed down on January 8, 2012 (LRP alarm); AECOM restarted the system and contacted Matrix to schedule repairs. On January 9, 2012, Matrix inspected the system and will be submitting a quote in February 2012 to overhaul the DPE system.
- On January 16, 2012 (following the first quarter 2012 groundwater sampling event), AECOM observed the DPE system was down. The system was left off to prevent potential damage to equipment until the DPE system overhaul is performed; note the GWCT and AS remained running.

Second Quarter 2012 combined DPE remedial system O&M:

- AECOM and subcontractor Matrix Environmental Technologies, Inc. completed repairs to the DPE LRP and equipment gauges ordered on March 20, 2012.
- AECOM and subcontractor Matrix Environmental Technologies, Inc. is scheduled to service the LRP thermo-coupler in late April 2012.

2.3.3 Waste Disposal

On July 28, 2011, Heritage Environmental Services, LLC (HES) transported and disposed one 55-gallon drum (225 pounds) containing sediment, bag filters, and miscellaneous debris. This hazardous material (F002 waste code) was generated during O&M activities conducted at the Site between January 2010 and July 2011. AECOM personnel supervised the loading of the drums at the Site prior to transportation to an approved disposal facility. As a result of the combined DPE remedial system being off line to facilitate the chemical injection, a waste shipment was not performed in January 2012. The waste accumulation start date is March 2012. The next hazardous waste pickup (for waste generated from March 2012) is scheduled for July 2012.

3.0 Groundwater Monitoring Summary

A detailed description of groundwater monitoring activities completed during the reporting period (April 7, 2011 through April 3, 2012), a review of the most recent comprehensive groundwater monitoring event analytical results, and a comparison of those results to historical comprehensive groundwater monitoring event analytical data are provided in the following sections.

3.1 Description of Groundwater Monitoring Activities for the Reporting Period

The groundwater monitoring program associated with the original GWCT system was combined with the monitoring program developed for the new DPE system in May 2004. The monitoring wells sampled varied during the remainder of 2004 and throughout 2005. The NYSDEC-approved first RAER defined the monitoring wells to be sampled during subsequent monitoring events in Table 10 (Earth Tech, November 2005). A total of four groundwater monitoring events were performed during the current reporting period (**Table 3**); these included three targeted quarterly monitoring events (July 2011, October 2011, and January 2012) and one comprehensive monitoring event (April 2012).

In July 2011, October 2011, and January 2012, quarterly sampling was performed which targeted six perimeter monitoring wells (MW-2, MW-3, MW-6, MW-10, MW-11 and MW-12 and four wells located within the TCE plume (MW-4, MW-8R, MW-13S and MW-16S). In April 2012, a comprehensive groundwater monitoring event was conducted that included all Site monitoring wells and nested piezometer pairs (17 total wells). A discussion of the results and the associated laboratory reports for the July 2011, October 2011, and January 2012 groundwater sampling events have previously been provided to the NYSDEC in quarterly monitoring summary reports (AECOM, August 2011; AECOM, October 2011; and AECOM, February 2012). A discussion of the groundwater analytical results for the comprehensive April 2012 sampling event is presented in Sections 3.2 and 3.3 of this report.

3.2 April 2012 Groundwater Elevations and Groundwater Flow Direction

AECOM personnel collected groundwater samples for the latest comprehensive monitoring event between April 2 and 3, 2012, in accordance with the procedures outlined in the NYSDEC-approved RDWP. Monitoring wells sampled in April 2012 included MW 2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, MW-12, MW-13S, MW-13D, MW-14S, MW-14D, MW-15S, MW-15D, MW-16S, and MW-16D (**Figure 2**). Field forms generated for the April 2012 sampling event are provided in **Appendix B**. Groundwater samples were analyzed for VOCs by United States Environmental Protection Agency (USEPA) SW-846 Method 8260B by TestAmerica, Inc. located in Amherst, New York.

A complete round of groundwater levels were measured for all Site wells and piezometers. **Table 4** provides a summary of groundwater elevations measured on April 2, 2012. A historical summary of groundwater levels and corresponding elevations and hydrographs for each monitoring well and nested piezometer pair are provided in **Appendix C**. Monitoring wells MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, and MW-12 are screened across both the shallow and deep perched water-bearing units. The nested piezometer pairs (MW-13S/D, MW-14S/D, MW-15S/D, and MW-16S/D) are discretely screened with one piezometer screened in the shallow perched water-bearing unit ('S' designation) and one piezometer screened in the deep perched water-bearing unit

('D' designation). Two groundwater surface contour maps for April 2012 are provided. The average water levels calculated for the nested piezometer pairs in conjunction with monitoring well water level data were used to generate the groundwater surface contours presented in **Figure 6**. **Figure 7** illustrates the groundwater surface contours using monitoring well and deep piezometer water level data.

Groundwater elevations measured on April 2, 2012 ranged from 669.32 feet above mean sea level at MW-14D to 684.35 feet above mean sea level at MW-2. Based on these water level measurements, the groundwater surface beneath the Site continues to exhibit a radial pattern (i.e., cone of depression), and groundwater flows inward towards the operating DPE recovery wells and the GWCT. **Figures 6 and 7** shows a depression in the water table surface centered on MW-4, which is located at the western property boundary. The historical groundwater flow direction at the Site before active groundwater remediation was initiated had been predominantly to the west. These figures indicate that the combined DPE remediation system continues to induce groundwater flow reversal along the western property boundary. This groundwater flow reversal helps to provide sustained hydraulic capture of VOCs present in the perched groundwater that might otherwise migrate off-site to the west.

3.3 April 2012 Groundwater Analytical Results

The April 2012 groundwater sampling event was the seventh comprehensive sampling event conducted at the Site following the installation of the DPE system in May 2004. VOCs detected in groundwater during the April 2012 sampling event are presented in **Table 5**. The following table summarizes the VOCs detected, their respective concentration ranges, the number of detections, and the number of those detections that exceeded Site-specific groundwater RAOs or groundwater criteria presented in New York Code of Rules and Regulations (NYCRR), Title 6, Part 702.15(a)(2) and 703.5.

**Groundwater Quality Results
April 2012**

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	Remedial Action Objective/NYCRR Exceedances
cis-1,2-Dichloroethene	13 – 120,000	11	11
Vinyl chloride	1.8 – 9,400	11	10
1,1-Dichloroethane	0.44 – 2,000	10	9
Chloroethane	1.5 – 900	10	8
Trichloroethene	0.64 – 250,000	10	7
1,2-Dichloroethane	0.41 – 1.7	6	4
1,1-Dichloroethene	1 – 840	5	4
trans-1,2-Dichloroethene	0.9 – 790	5	3
Benzene	0.74 – 4.2	4	3
Toluene	1.9 – 460	3	2
Methylene Chloride	0.57 – 3.5	3	0
1,1,1-Trichloroethane	1.2 – 4,900	2	1
Xylenes, total	48	1	1
2-Butanone	590	1	1
Acetone	2,600	1	1
Ethylbenzene	8.8	1	1
1,1,2-Trichloroethane	0.65	1	0
1,1,2,2-Tetrachloroethane	0.58	1	0

VOCs Detected in Groundwater	Concentration Range (µg/L)	Number of Detections	Remedial Action Objective/NYCRR Exceedances
2-Hexanone	21	1	0
4-Methyl-2-pentanone	46	1	0
Tetrachloroethene	0.81	1	0

A total of 21 VOCs were detected in groundwater during the April 2012 sampling event. Fifteen of the 21 VOCs detected exceeded either the Site-specific RAOs or the NYCRR criteria for groundwater.

Figures 8 through 14 illustrate April 2012 isoconcentration contours for trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), vinyl chloride (VC), 1,1,1-trichloroethane (1,1,1-TCA), 1,1 dichloroethane (1,1-DCA), chloroethane, and total VOCs respectively. These specific compounds are the most frequently detected VOCs in groundwater at the Site.

The highest concentrations of VOCs were detected west of the GWCT and the former soil excavation area, in a suspected source area located in the vicinity of MW-4, MW-8R, MW-13S, and MW-16S: TCE and cis-1,2-DCE exhibited the highest overall concentrations in groundwater. As has been observed historically, the shallow piezometers, which are screened in silts and clays, generally showed higher concentrations of the most frequently detected VOCs when compared to their deeper piezometer counterparts, which are screened in sands and gravels located immediately above bedrock.

The presence and distribution of TCE daughter products (cis-1,2-DCE, VC, and chloroethane) and 1,1,1-TCA daughter products (1,1-DCA and chloroethane) provide supportive evidence that the attenuation of TCE and 1,1,1-TCA and their daughter products via reductive dechlorination continues to occur naturally at the Site. The occurrence of these daughter products appears to be directly related to the distribution of TCE and 1,1,1-TCA in the subsurface. The highest concentrations of TCE and 1,1,1-TCA detected during April 2012 were centered on a suspected source area located in the vicinity of MW-4, MW-8R and MW-16S. The daughter products of TCE and 1,1,1-TCA were also detected at their highest concentrations around this suspected source area. A limited number of other VOCs were sporadically detected in the perched groundwater at the Site with the majority of these detections at MW-15S.

An electronic copy of the analytical laboratory data package for the April 2012 sampling event is provided in **Appendix D** on a compact disc (CD).

3.4 Comparison of April 2011 Groundwater Analytical Data with Historical Groundwater Analytical Data

As previously described, quarterly groundwater quality data obtained during the reporting period with the exception of the April 2012 sampling event has already been submitted to the NYSDEC in quarterly summary reports. Trend plots illustrating concentrations of TCE, cis-1,2-DCE, VC, chloroethane, 1,1-DCA, and 1,1,1-TCA over time are provided in **Appendix E**. Because concentrations of TCE are among the highest detected at the Site, a discussion of historical and current TCE concentrations in perched groundwater at Site monitoring wells and piezometers is provided below.

**Summary of Annual TCE Concentrations in Groundwater
Baseline Events (November 2003 and April 2004) through April 2012**

Well ID	TCE Concentrations (µg/L)									Percent TCE Increase/ (Decrease) from April 2011
	Nov 2003	April 2004	April 2005	July 2006	Oct 2007	Jan 2009	April 2010	April 2011	April 2012	
MW-2	NS	NS	<10	< 25	< 5	< 5	<25	<1	<1	NA
MW-3	NS	NS	<10	< 25	5 J	< 5	<5	<1	<1	NA
MW-4	270	NS	NS	2,400	4,800	19,000	3,000	13,000	39,000	200%
MW-6	< 10	NS	< 10	< 5	0.63 J	< 5	<5	<1	<1	NA
MW-8R	NS	NS	15,000	16,000	2,200	8,400	2,500 J	8,900	99,000	1012%
MW-9	6	NS	< 10	1.3	2.6 J	< 5	<5	<1	<1	NA
MW-10	NS	NS	<10	< 5	< 5	< 5	<5	<1	<1	NA
MW-11	NS	NS	<10	< 20	0.71	0.77 J	0.95 J	1.2	0.51	(57.5%)
MW-12	NS	NS	< 10	< 25	< 5	NS	<5	<1	<1	NA
MW-13S	NS	10,000	760	17,000	570	3,400	1,400	40,000	39,000	(2.5%)
MW-13D	NS	17	8	2 J	< 5	< 5	< 5	22	62	181%
MW-14S	NS	21	< 10	5.7 J	< 5	0.38 J	< 5	< 1	1.3	30%
MW-14D	NS	21	10	0.96 J	< 5	< 5	9.4	0.97	0.64J	(34%)
MW-15S	NS	280	400	400	400	180	270	200	240	20%
MW-15D	NS	21	< 50	4.9 J	3.6 J	< 25	<5	<8	<10	NA
MW-16S	NS	860,000	400,000	310,000	130,000	92,000	220,000	250,000	250,000	0%
MW-16D	NS	6,900	32	6.1	6 J	52	12	22	42	91%
Notes: J – Estimated concentration. NS – Not sampled										

TCE concentrations decreased or remained constant in all but six wells (MW-4, MW-8R, MW-13D, MW-14S, MW-15S, and MW-16D) since the last comprehensive groundwater sampling event conducted at the Site in April 2011. The percent reduction in TCE concentrations ranged from 2.5% in MW-13S to 57.5% in MW-11. Groundwater collected from perimeter monitoring wells MW-2, MW-3, MW-6, MW-9, MW-10, and MW-12, contained no detections of TCE at or above the reporting detection limit. Perimeter monitoring well MW-11 had a minor detection of TCE at 0.51 µg/L, and continued to remain below the RAO. Based on these results, the combined DPE and GWCT treatment system continues to successfully prevent migration of TCE off-site.

MW-4, MW-8R, MW-13D, MW-14S, MW-15S, and MW-16D showed an increase in TCE concentration since the last comprehensive sampling event in April 2011. A possible explanation for the increases in TCE concentration detected at these wells may be the result of vadose zone soil contamination being desorbed and leaching to the groundwater during the chemical oxidation injection pilot test, which began in July 2010 and continued through October 2011; however, the TCE results were within the range of historical detections for TCE at all of these wells. Further discussion of the

in-situ chemical oxidation pilot test and its impact on TCE concentrations detected in Site monitoring wells will be discussed in a subsequent chemical oxidation pilot test summary report.

4.0 Groundwater Remediation System Monitoring and VOC Mass Removal Summary

This section describes system performance monitoring and summarizes the mass of VOCs removed by the combined DPE remediation system during the current reporting period from April 2011 through April 2012.

4.1 System Monitoring Results

4.1.1 Air Discharge Monitoring

Samples were obtained from the vapor effluent of the AS and LRP on a quarterly basis and analyzed by USEPA Compendium Method TO-15 by TestAmerica, Inc., located in South Burlington, Vermont. Based on the analytical results for the vapor samples collected, the exhaust mass-loading rate is calculated and presented to the NYSDEC in the Site quarterly groundwater monitoring reports. The combined total of the exhaust mass-loading rates for both vapor discharges are compared to the NYSDEC standard of 0.5 pounds per hour (lb/hr) of VOCs. Vapor effluent monitoring results for the first three monitoring events (July 2011, October 2011, and January 2012) during the reporting period have been previously submitted to NYSDEC, and no exceedance of the NYSDEC standard for VOC emissions occurred.

AECOM personnel collected vapor effluent samples from the AS and LRP units for the final quarterly monitoring event of the reporting period on April 2, 2012. The DPE system vapor effluent analytical results are summarized in **Table 6**, and an electronic copy of the analytical laboratory data package is provided on the enclosed CD in **Appendix D**. A total of seven VOCs were detected in the LRP unit effluent, and a total of 14 VOCs were detected in the AS unit effluent. The total VOC discharge in the LRP effluent was 51,090 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) and $72 \mu\text{g}/\text{m}^3$ in the AS unit effluent. Based on these effluent totals, the calculated VOC discharge-loading rate for the combined DPE remediation system was 0.025 lb/hr, which is below the NYSDEC discharge guidance value of 0.5 lb/hr. In comparison, during the last quarterly sampling event in January 2011 (AECOM, March 2011) and during the last comprehensive sampling event in April 2010 (AECOM, June 2010), the calculated VOC discharge-loading rates were 0.005 lb/hr and 0.011 lb/hr, respectively.

4.1.2 Water Discharge Monitoring

Following the sale of Scott Aviation to AVOX Systems Inc., in September 2004, AECOM assumed responsibility for Buffalo Sewer Authority (BSA) permit compliance sampling and reporting. AECOM completed a new sewer discharge permit application on behalf of Scott Technologies, Inc. (former owner of Scott Aviation, Inc., and a continuing subsidiary of Tyco International). The new permit (No. 11-03-E4045) was approved by the BSA on November 15, 2010 and became effective on April 1, 2011. The current BSA permit for the combined DPE remediation system will expire on March 31, 2014. A new permit application will be submitted in October 2013.

The current BSA permit requires quarterly sampling of treated groundwater discharge from the combined DPE groundwater remediation systems for a specific list of VOCs, total extractable hydrocarbons (TEH), total suspended solids (TSS), and pH. The quarterly discharge samples are analyzed by TestAmerica Inc., located in Amherst, New York. AECOM collected BSA compliance

samples from the AS unit treated effluent discharge sampling point in July 2010, October 2010, January 2011, and April 2011. Each quarter, AECOM tabulated the analytical data, converted the data to mass loading rates, compared the results to the BSA permit requirements, and prepared a letter report for submittal to the BSA and NYSDEC. No exceedences of the BSA permit discharge limits occurred during the reporting period.

4.2 Mass Removal Summary

The estimated VOC mass removed for both groundwater and soil vapor was calculated based on operational and analytical data collected during the reporting period. The mass removal via groundwater extraction by the combined DPE remediation system was calculated using total influent VOC concentrations, collected quarterly, and AS unit totalizer readings. The calculations are presented in **Table 7**. As shown in the table, approximately 0.33 pounds of VOCs were removed via groundwater extraction by the combined GWCT and DPE systems.

The DPE system additionally collects vapor from the subsurface and volatilizes VOCs during the groundwater extraction process. Mass removal was calculated using LRP runtime measurements, the total average LRP effluent sample VOC concentration for the reporting period, and the actual LRP airflow rate based on the manufacturer's operational curve, converted to standard cubic feet per minute. These calculations are presented in **Table 8**; approximately 6.6 pounds of VOCs were removed via the DPE system as vapor. Therefore, a total of 6.93 pounds of VOCs are estimated to have been removed by the combined DPE remediation system during the current reporting period. Combining the totals for the four reporting periods, the cumulative mass of VOCs removed by the system is approximately 2,586 pounds since system startup on May 14, 2004.

5.0 Conclusions and Upcoming Activities

Based on results of the combined DPE remediation system analytical and system operational data collected during the reporting period, conclusions, upcoming Site-related activities, and a proposed system monitoring schedule are presented below.

5.1 Conclusions

1. Approximately 7 pounds of VOCs were removed by the combined DPE remediation system during the reporting period from April 7, 2011 through April 3, 2012. A cumulative total of 2,586 pounds of VOCs has been removed since system startup on May 14, 2004.
2. The combined DPE remediation system experienced lower runtime during April 2011 – April 2012 (approximately 15%) when compared to the runtime for April 2010 – April 2011 (approximately 35%). The increased downtime was related to the chemical oxidation pilot test and issues with the LRP.
3. During the reporting period, the DPE remediation system collected approximately 17,590 gallons of groundwater at an average flow rate of 0.17 gpm. The GWCT collected approximately 354,678 gallons of groundwater at an average flow rate of 1.24 gpm. The total combined system groundwater treated and discharged to the sanitary sewer by the AS unit was approximately 372,268 gallons at a combined average flow rate of 1.41 gpm.
4. The system discharge was in compliance with applicable requirements (i.e., BSA effluent discharge permit for liquids and the NYSDEC emission standard for vapor).
5. Groundwater elevations measured on April 2, 2012 ranged from 669.32 feet above mean sea level to 684.35 feet mean sea level. The groundwater surface exhibits a cone of depression and groundwater flows inward towards the DPE recovery wells and the GWCT. This cone of depression is centered around MW-4, which is located at the western property boundary. The combined DPE remediation system continues to induce groundwater flow reversal along the western property boundary, which serves to mitigate further off-site migration of VOCs in the perched water-bearing unit.
6. Cis-1,2-DCE, 1,1-DCA, VC, TCE, and chloroethane were the most frequently detected VOCs in groundwater. For the April 2012 comprehensive groundwater sampling event, the highest concentrations of VOCs were detected west of the GWCT and the former source area soil excavation.
7. The presence and distribution of TCE daughter products (cis-1,2-DCE, VC, chloroethane) and 1,1,1-TCA daughter products (1,1,-DCA and chloroethane) continued to provide supportive evidence that the attenuation of TCE and 1,1,1-TCA via reductive dechlorination was occurring naturally at the Site.
8. TCE concentrations decreased in three wells since the last comprehensive groundwater sampling event conducted at the Site in April 2011. The percent reduction in TCE concentrations in groundwater was 57.5%, 34% and 2.5% at MW-11, MW-14D and MW-13S, respectively.

9. The groundwater analytical data and groundwater elevation data indicate the DPE and GWCT continue to maintain hydraulic control of shallow and deep groundwater, eliminating potential off-site migration of VOCs along the western property boundary.

5.2 Upcoming Activities

Based on information gathered during the current reporting period, the following upcoming activities are planned for the combined DPE remediation system.

1. While running, the DPE recovery well network will continue to target both shallow and deep perched water-bearing unit VOC contamination. This will be done by continuing to have shallow perched water-bearing unit DPE wells (DPE-1, DPE-3, DPE-5, and DPE-8) and deep perched water-bearing unit groundwater DPE recovery wells (DPE-2 and DPE-7) remain on. DPE-4 (screened across the shallow and deep perched water-bearing units) will also remain on. Only DPE-6, which is located approximately 30 feet east of the GWCT in the former soil excavation area, will be kept off-line.
2. The manifold and individual recovery wells (DPE-1 and DPE-5 in particular) for the DPE system continue to become fouled with calcium hydroxide (lime) buildup that is the result of previous soil remediation activities using quick lime. Prior to the April 2013 groundwater sampling event, the DPE portion of the combined remediation system will be shut down temporarily to clean and/or replace the manifold as necessary. Also, DPE-1 and DPE-5 will be re-developed (flushed with acid) to remove excessive lime buildup within the wells and within the associated conveyance piping.
3. Sporadic sheens of LNAPL have been observed in MW-4, MW-8R, MW-13S, and MW-16S over past reporting periods. LNAPL may contribute to higher concentrations of TCE being detected in these wells. As such, the use of oil absorbent booms will continue to be placed in these wells between future groundwater sampling events, as needed, to collect any LNAPL present. Used absorbent booms will be disposed as part of semi-annual disposal activities.
4. During the next reporting period, AECOM personnel will continue to perform O&M activities at the Site. **Table 9** presents the weekly, monthly, quarterly, and annual O&M schedule.
5. Targeted quarterly groundwater sampling events as well as one comprehensive groundwater sampling event will occur during the next reporting period based on the proposed monitoring and compliance sampling schedule presented in Section 5.3 of this report.
6. The performance of the chemical oxidation pilot test will continue to be monitored. An additional injection event may be performed by O&M, Inc.; NYSDEC will be informed prior to this effort. The details of the pilot test are presented in the June 2010 Pilot Test Work Plan, prepared by de maximis, inc. (aka O&M, Inc.).

5.3 Proposed Monitoring and Compliance Sampling Schedule

The proposed schedule for groundwater sampling at the Site during the next reporting period is presented in **Table 10**. As shown in **Table 10**, six perimeter wells and four suspected source area wells (MW-4, MW-8R, MW-16S, and MW-13S) will be sampled during the targeted quarterly events (July 012, October 2012, and January 2013). To minimize redundancy (the four source area wells are located within approximately 30 feet of each other), only two source area wells will be sampled per quarter. Sampling will rotate between MW-4 and MW-16S, and MW-8R and MW-13S each quarter.

The comprehensive groundwater monitoring event scheduled for April 2013 will include all 17 Site monitoring wells and nested piezometers.

Prior to the collection of groundwater samples, a complete round of water level measurements will be collected. Groundwater samples will be analyzed for VOCs using USEPA SW-846 Method 8260B. Quality assurance/quality control samples will include rinsate blanks, trip blanks, and blind duplicate samples. Laboratory batch quality control will be included with the completed data package.

Quarterly air samples from the AS unit and LRP vapor effluent sampling ports will be collected to ensure compliance with the NYSDEC exhaust mass-loading rate standard of 0.5 b/hr of VOCs. Quarterly vapor effluent air samples will be collected from the LRP to determine the mass of VOCs removed by the DPE system as a vapor. The samples will be analyzed for VOCs utilizing USEPA Method TO-15.

In addition, quarterly samples from the AS unit effluent discharge will be collected to the sanitary sewer as specified in the current BSA discharge permit, and AS unit influent samples will be collected to determine the treatment efficiency of the AS unit. These samples will be analyzed for VOCs, TEH, TSS, and pH as specified in the current permit. **Table 11** provides a summary of the proposed monitoring and compliance sampling activities during the next reporting period. In the event that any permit monitoring requirements change, notification of these changes will be given to the NYSDEC in a future quarterly groundwater monitoring summary report.

The next PRR (seventh comprehensive report since DPE system startup in May 2004) for the combined DPE remediation system will be prepared following the receipt of laboratory analytical results for the April 2012 comprehensive groundwater sampling event.

5.4 Institutional and Engineering Controls Certification

As a component of the PRR requirement, **Appendix F** includes the completed Institutional Controls and Engineering Controls certification.

6.0 References

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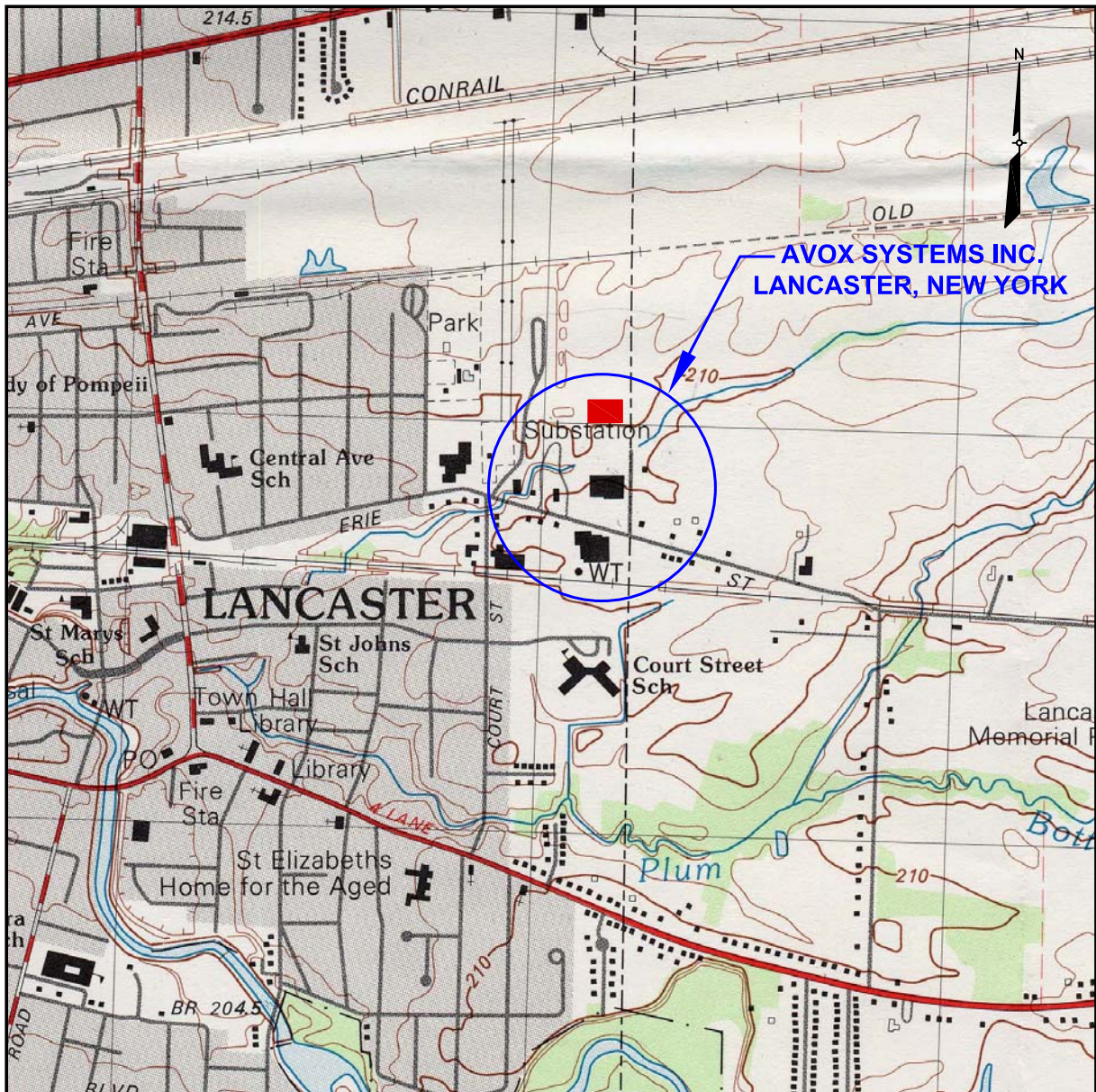
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NYSDEC, Division of Hazardous Waste Remediation. November 1994. "Record of Decision, Scott Aviation Site, Village of Lancaster, Eric County, I.D. Number 9-15-149".

O'Brien & Gere Engineers, Inc. July 1996. "Soil and Ground Water Remediation Project, Scott Aviation, Lancaster, New York".

Figures



SOURCE:
1982 GEOLOGIC SURVEY 7.5 X 15 MINUTE TOPOGRAPHIC QUADRANGLE
LANCASTER, NEW YORK

LEGEND

■ AVOX PLANT 3 ADDED AFTER PUBLICATION OF LANCASTER, NEW YORK
TOPOGRAPHIC QUADRANGLE.

0 1000 2000
SCALE IN FEET

AECOM

**FIGURE 1
SITE LOCATION MAP**

FORMER SCOTT AVIATION FACILITY AREA 1
LANCASTER, NEW YORK

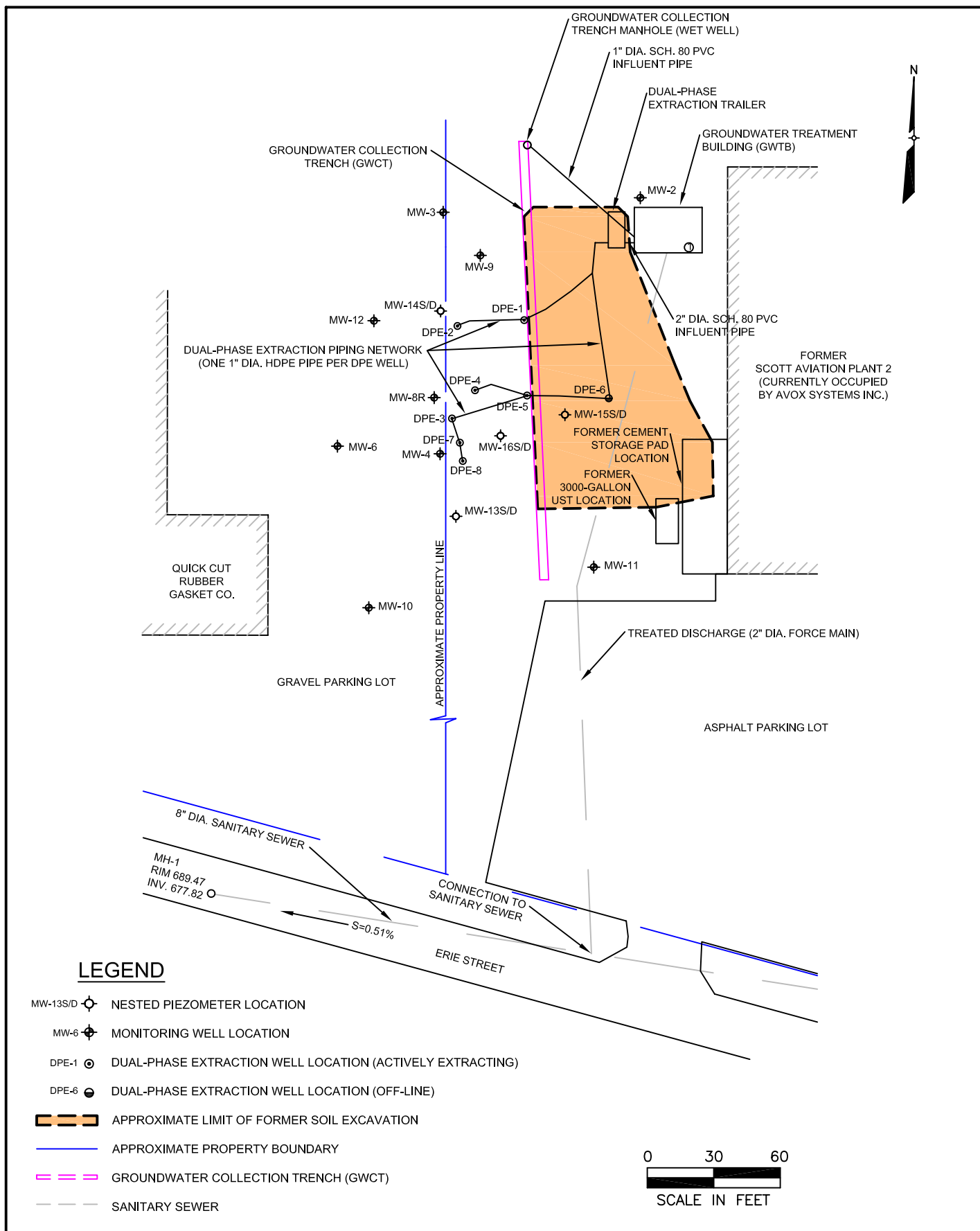


FIGURE 2
SITE FEATURES MAP

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK

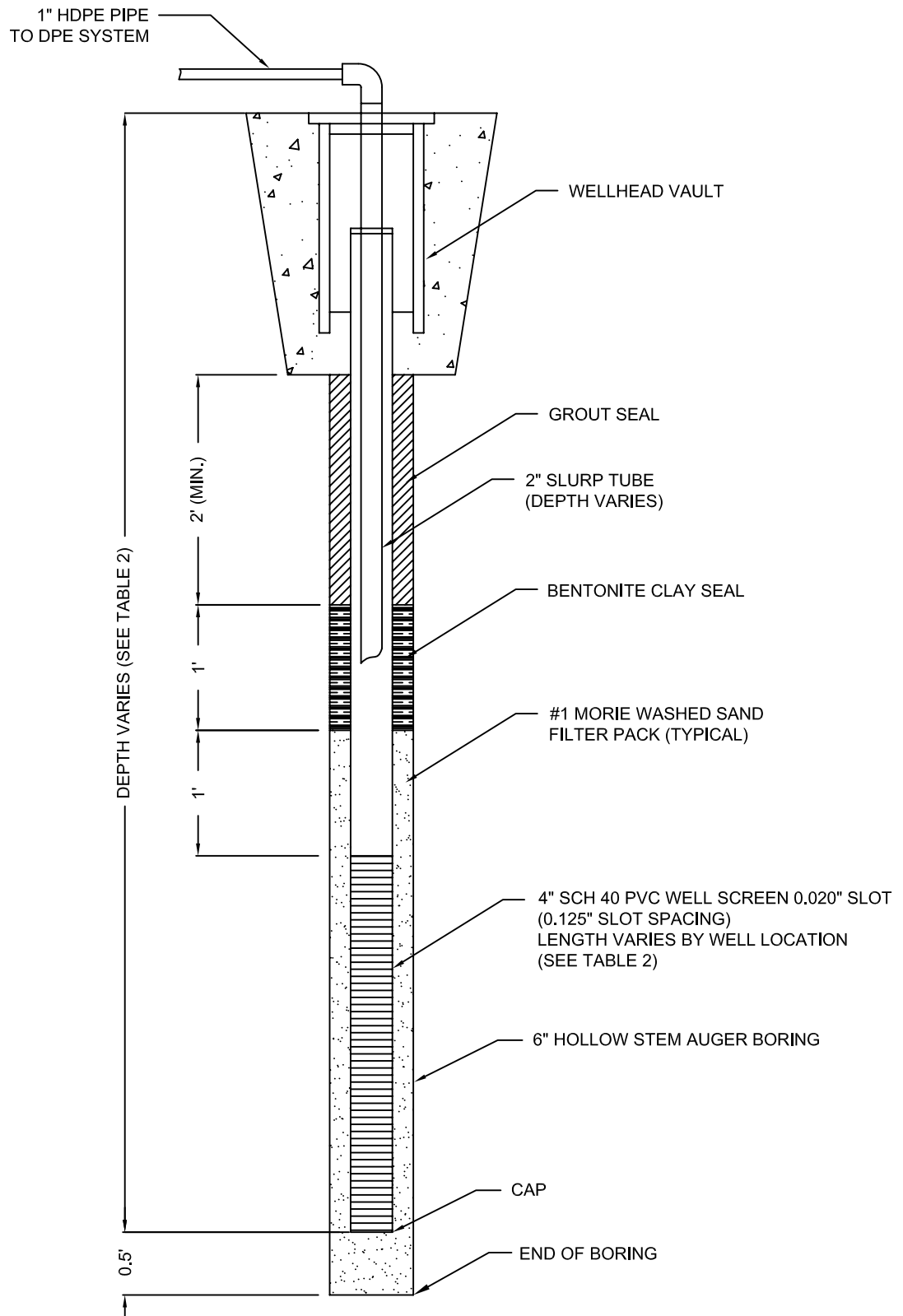


FIGURE 3
TYPICAL DUAL PHASE EXTRACTION RECOVERY
WELL CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

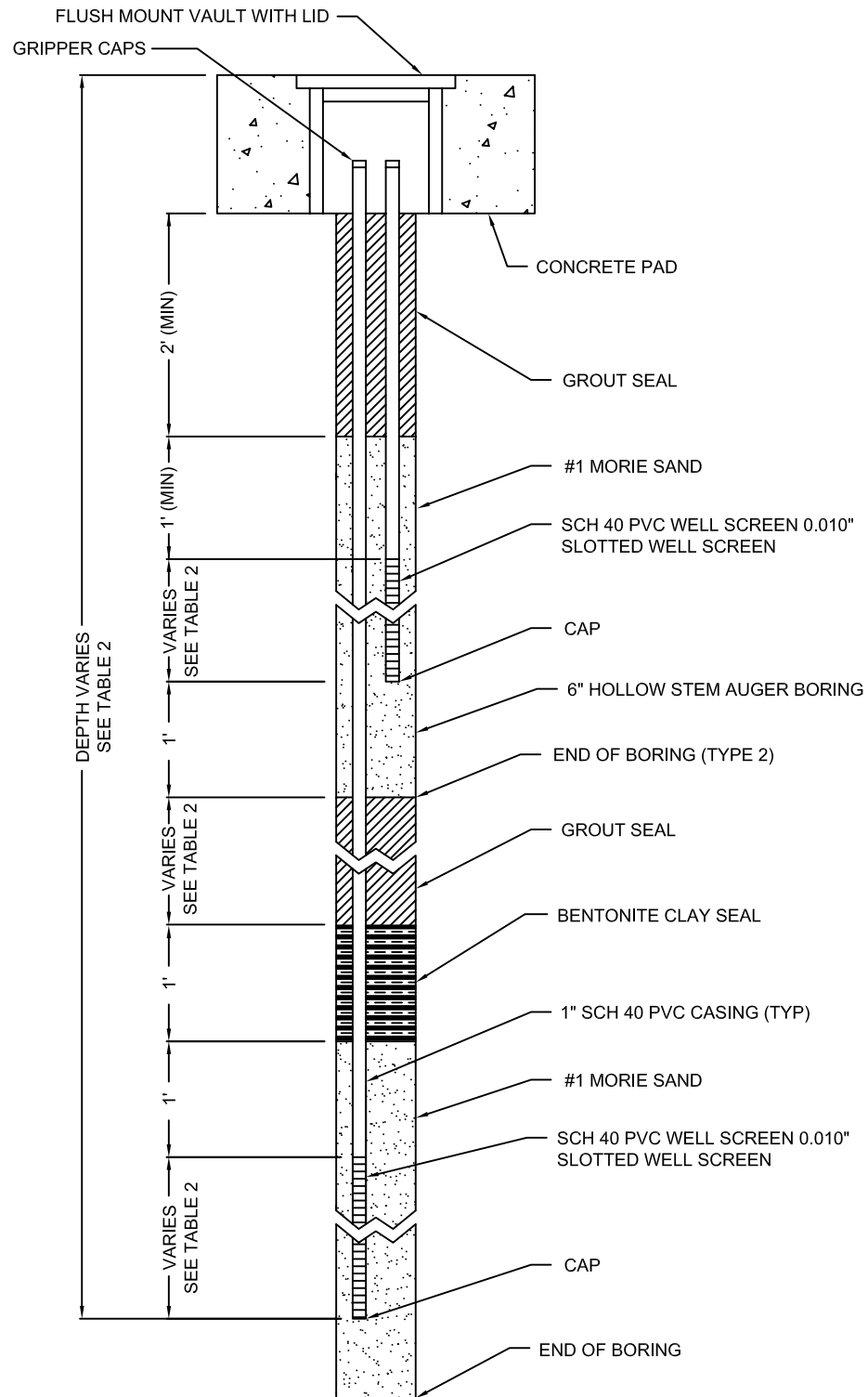
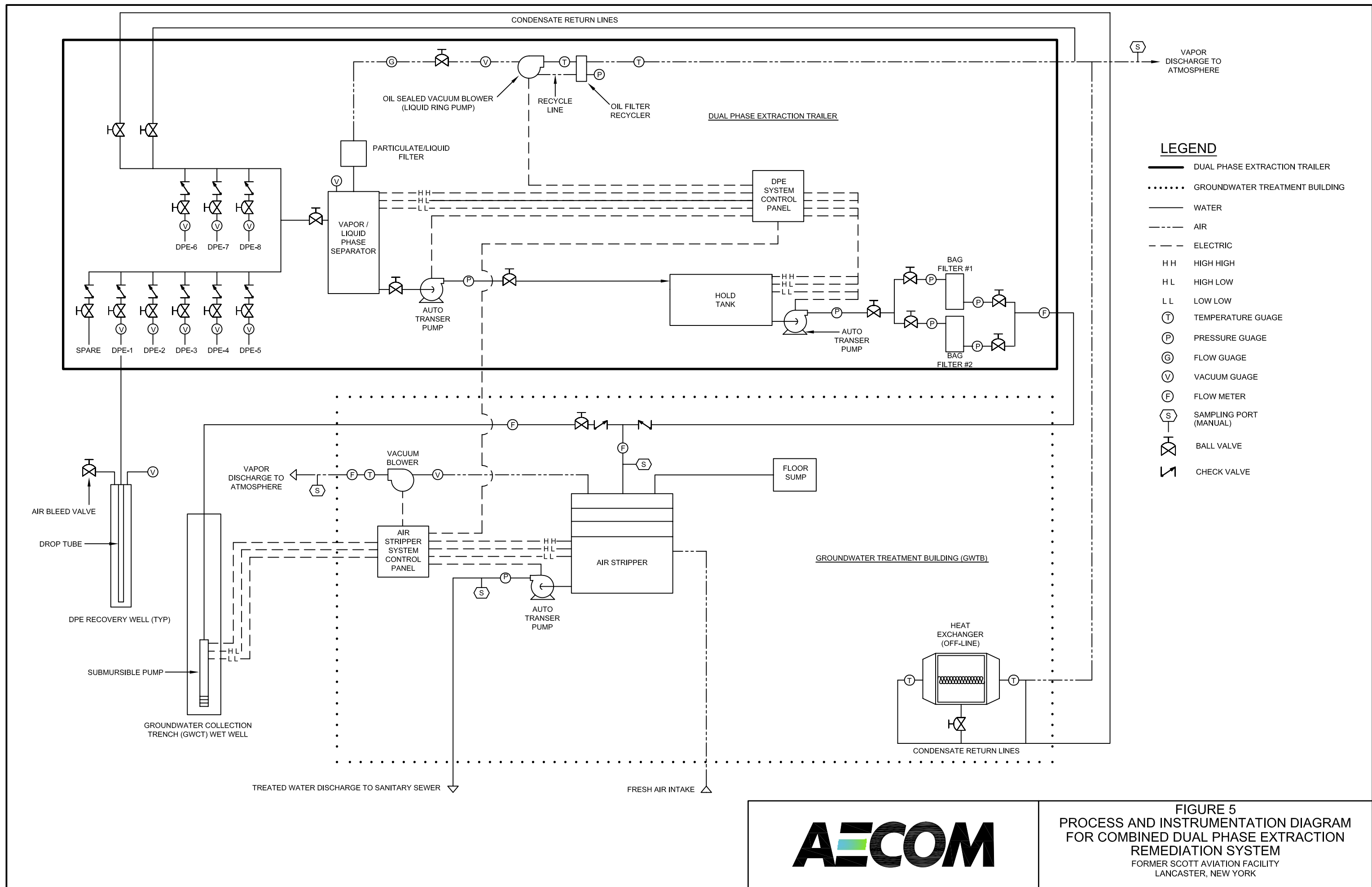
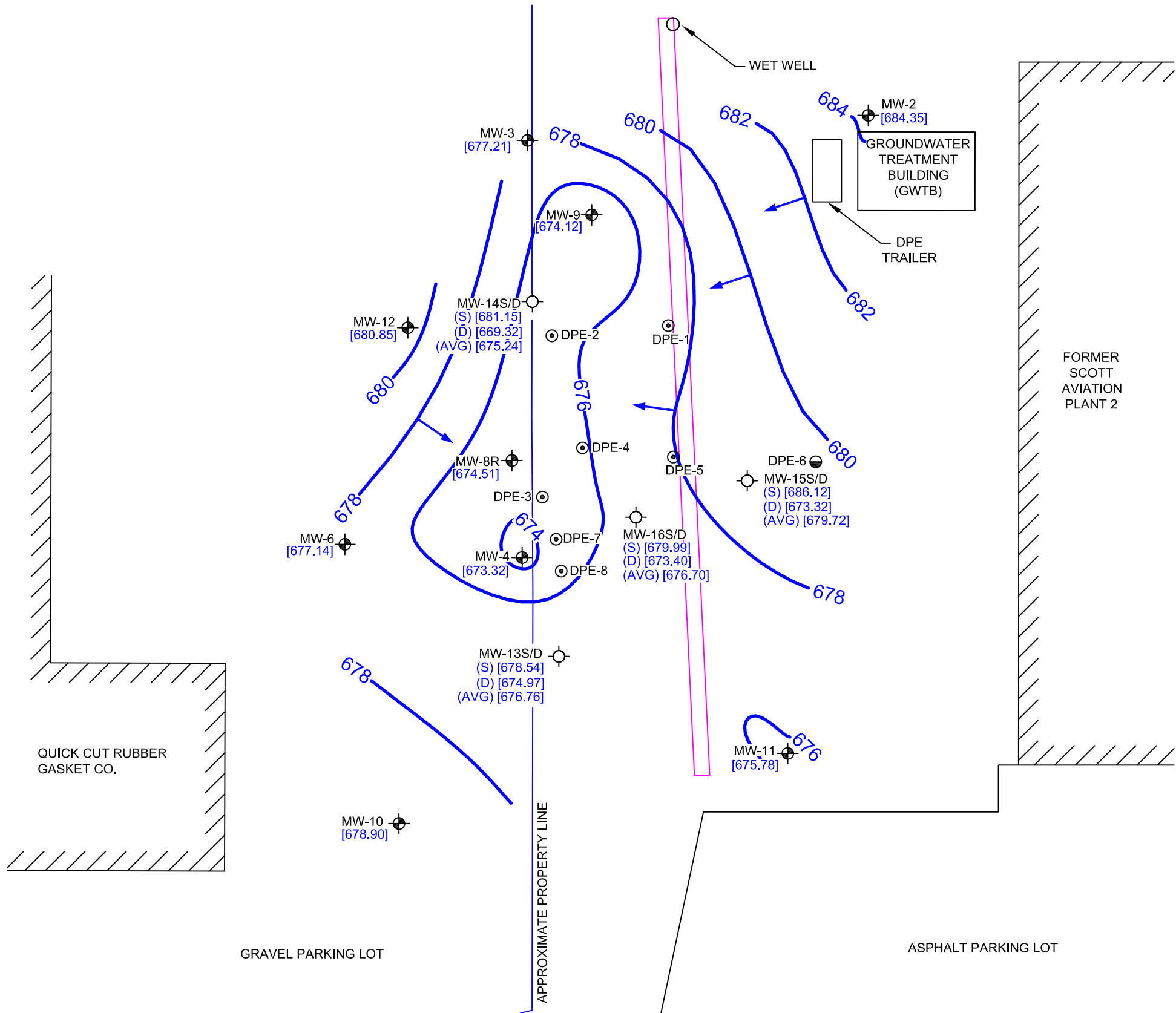


FIGURE 4
TYPICAL NESTED PIEZOMETER
CONSTRUCTION DIAGRAM

FORMER SCOTT AVIATION FACILITY
 LANCASTER, NEW YORK





LEGEND

MW-13S/D

NESTED PIEZOMETER LOCATION

MW-9

MONITORING WELL LOCATION

DPE-8

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

DPE-2

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

[674.12]

GROUNDWATER SURFACE ELEVATION IN FEET MSL

676

ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL

GROUNDWATER FLOW DIRECTION

(S)

SHALLOW PIEZOMETER

(D)

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

- NOTES**
1.

GROUNDWATER ELEVATIONS WERE AVERAGED AT SHALLOW AND DEEP PIEZOMETER PAIR LOCATIONS (e.g. MW-15S/D) TO COMPARE TO ELEVATIONS MEASURED IN WELLS SCREENED ACROSS THE ENTIRE OVERBURDEN THICKNESS.
2.

GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 2, 2012.

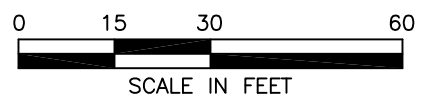
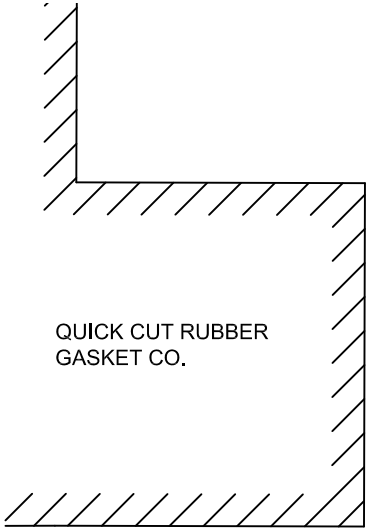


FIGURE 6
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2012
AVERAGE WATER LEVELS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

Quarterly Groundwater Monitoring Water Level Data - April 2, 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

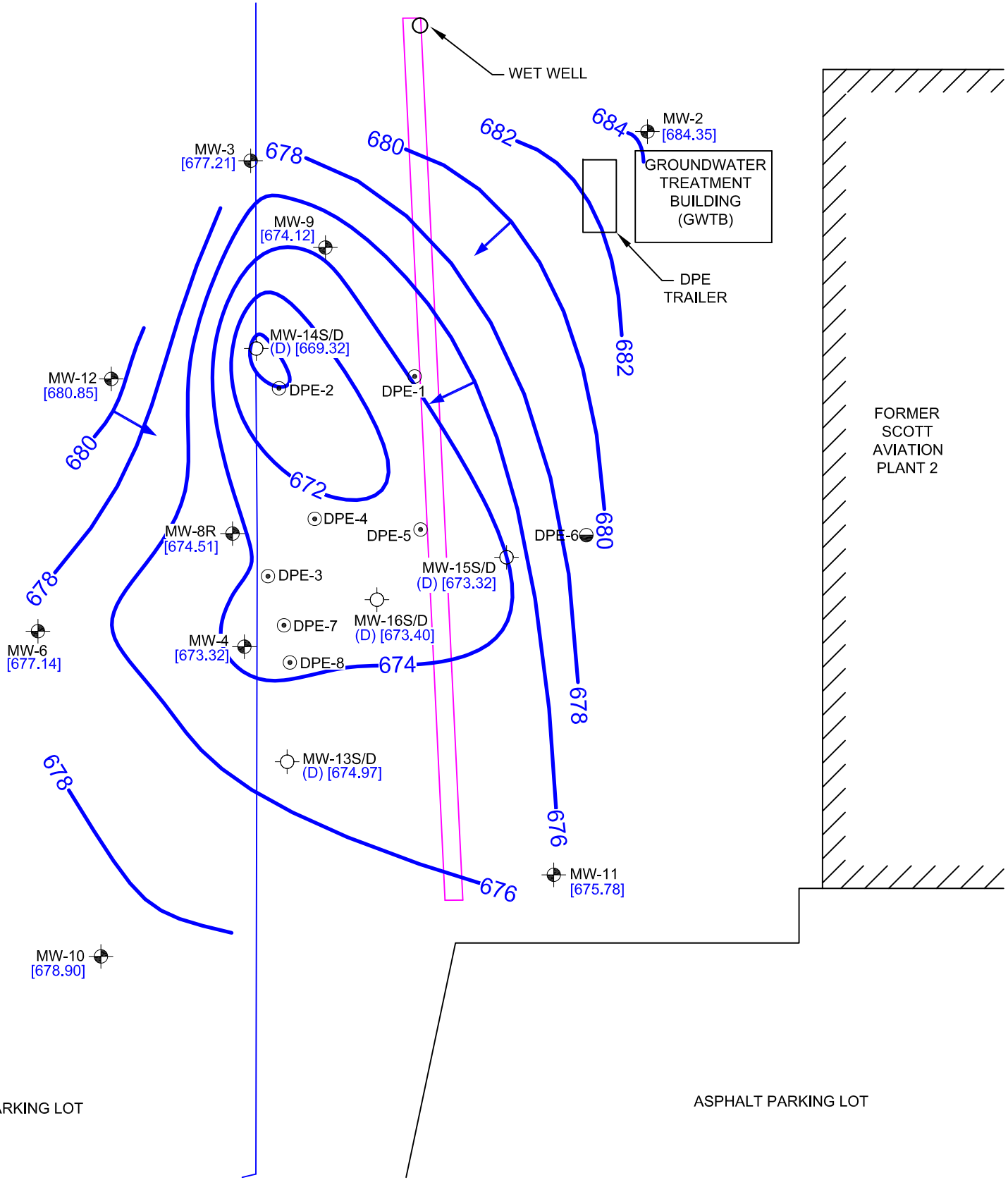
Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	6.00	684.35
MW-3	687.02	9.81	677.21
MW-4	686.42	13.10	673.32
MW-6	686.53	9.39	677.14
MW-8R	686.21	11.70	674.51
MW-9	688.64	14.52	674.12
MW-10	687.41	8.51	678.90
MW-11	688.65	12.87	675.78
MW-12	686.15	5.30	680.85
Nested Piezometers			
MW-13S	686.60	8.06	678.54
MW-13D	686.73	11.76	674.97
MW-14S	685.70	4.55	681.15
MW-14D	685.82	16.50	669.32
MW-15S	687.52	1.40	686.12
MW-15D	687.62	14.30	673.32
MW-16S	685.84	5.85	679.99
MW-16D	686.01	12.61	673.40

Notes:
TOC - Top of Casing
AMSL - Above Mean Sea Level
NA - Not available



QUICK CUT RUBBER
GASKET CO.

GRAVEL PARKING LOT



LEGEND

MW-13S/D

NESTED PIEZOMETER LOCATION

MW-9

MONITORING WELL LOCATION

DPE-8

DUAL-PHASE EXTRACTION WELL LOCATION (ACTIVELY EXTRACTING)

DPE-2

DUAL-PHASE EXTRACTION WELL LOCATION (OFF-LINE)

[674.12]

GROUNDWATER SURFACE ELEVATION IN FEET MSL

678

ESTIMATED GROUNDWATER SURFACE CONTOUR IN FEET MSL

GROUND WATER FLOW DIRECTION

(D)

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

NOTES

- GROUNDWATER ELEVATIONS FROM THE DEEP PIEZOMETER PAIR LOCATIONS (i.e. MW-13D, MW-14D, MW-15D, MW-16D) WERE USED TO CREATE THE GROUNDWATER SURFACE CONTOURS.
- GROUNDWATER WATER LEVELS WERE COLLECTED ON APRIL 2, 2012.

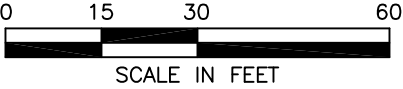
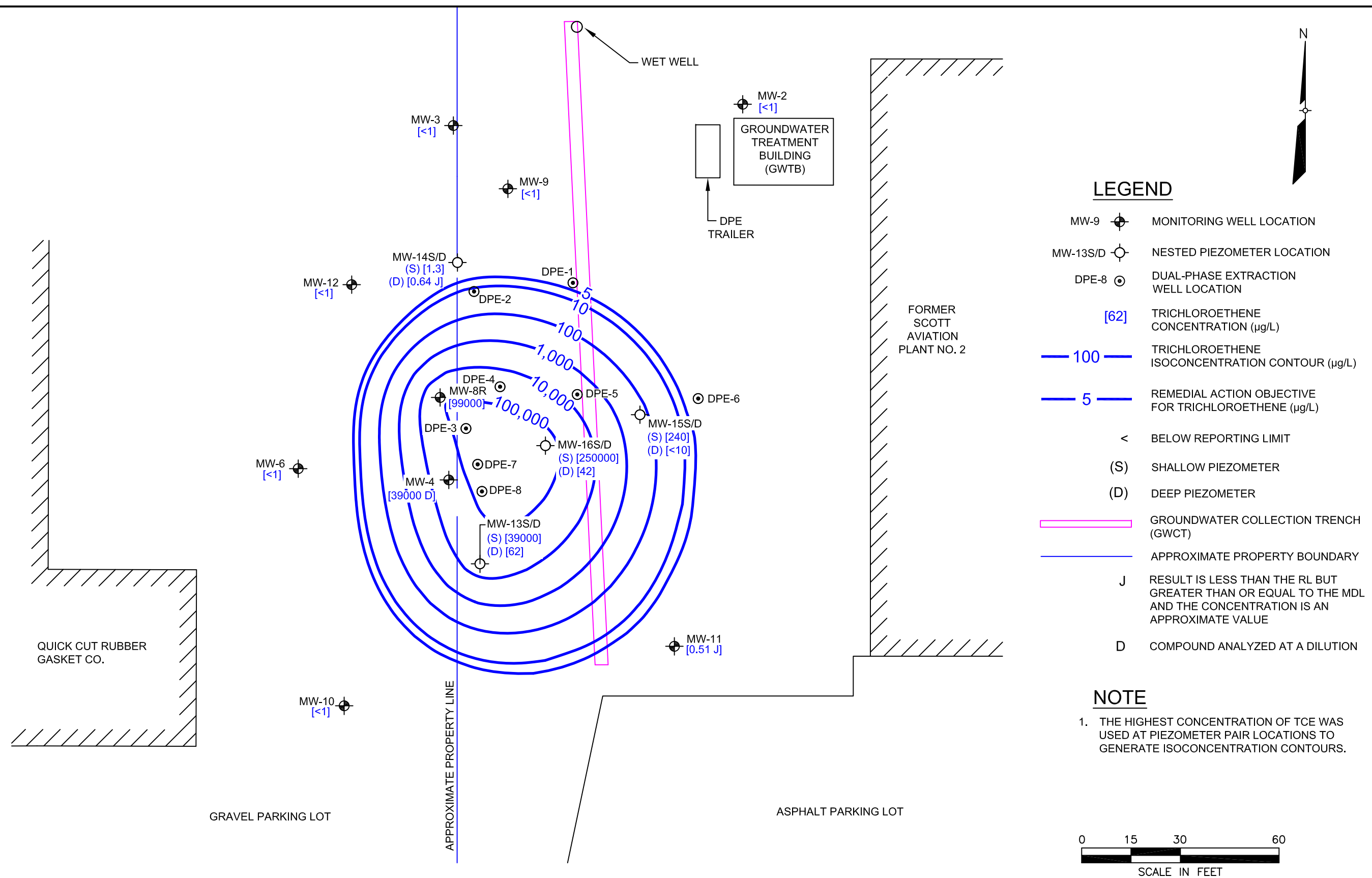


FIGURE 7
GROUNDWATER SURFACE CONTOUR MAP
APRIL 2012
DEEP OVERBURDEN GROUNDWATER LEVELS
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



AECOM

FIGURE 8
TRICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2012
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

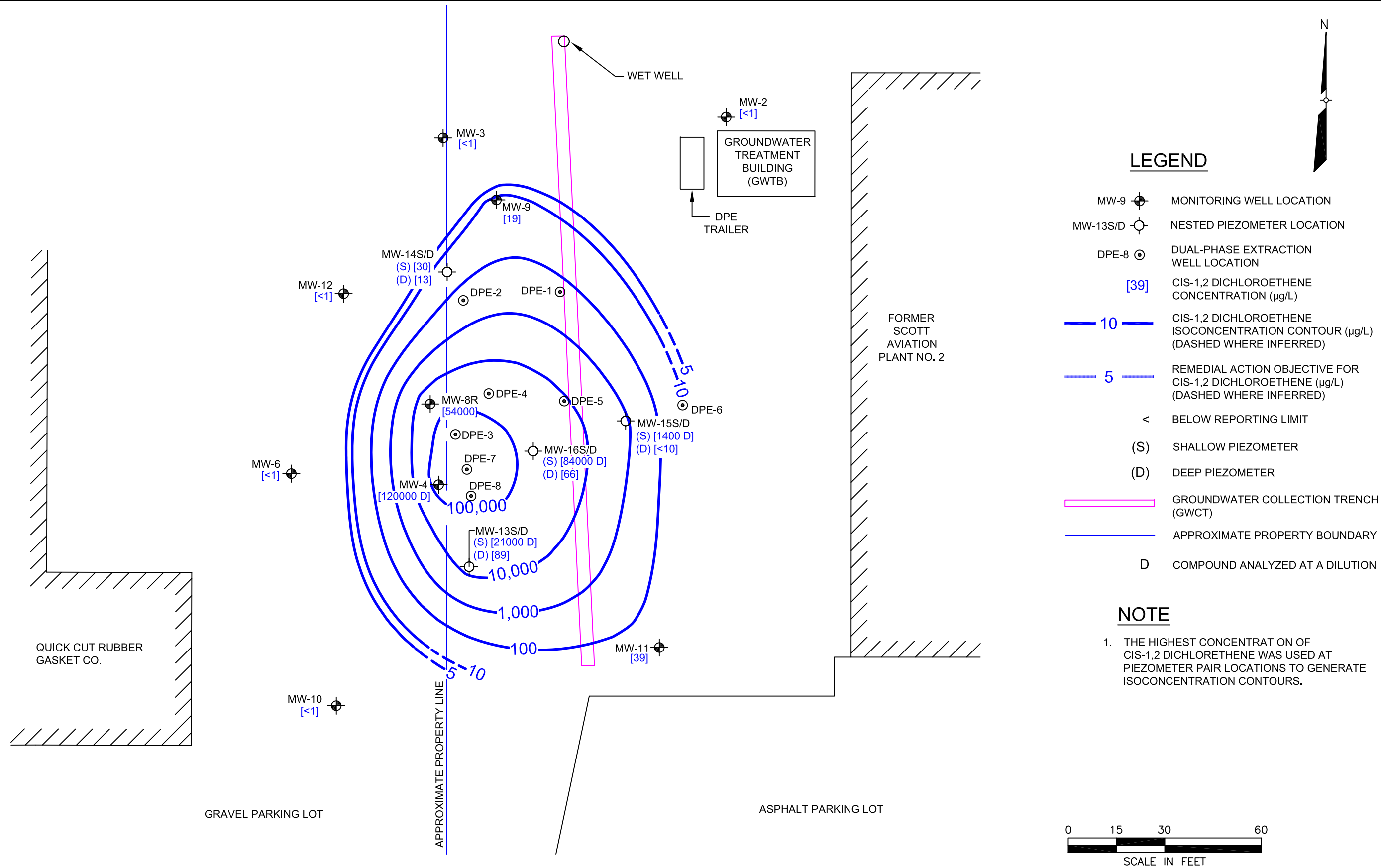
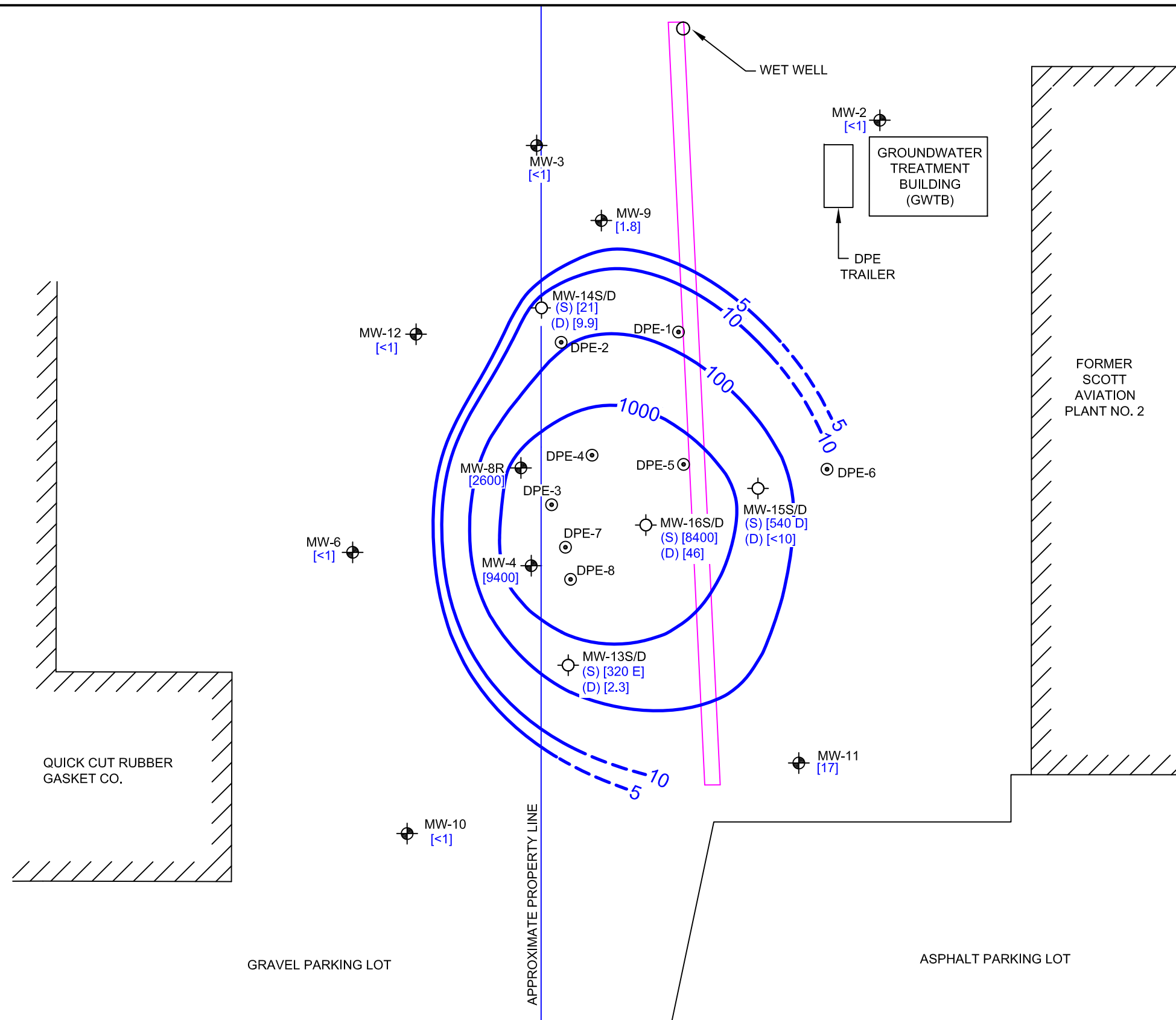


FIGURE 9
CIS-1,2-DICHLOROETHENE ISOCONCENTRATION
CONTOUR MAP
APRIL 2012
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

MW-9

MONITORING WELL LOCATION

MW-13S/D

NESTED PIEZOMETER LOCATION

DPE-8

DUAL-PHASE EXTRACTION WELL LOCATION

[46]

VINYL CHLORIDE CONCENTRATION ($\mu\text{g/L}$)

10

VINYL CHLORIDE ISOCONCENTRATION CONTOUR ($\mu\text{g/L}$) (DASHED WHERE INFERRED)

5

REMEDIAL ACTION OBJECTIVE FOR VINYL CHLORIDE ($\mu\text{g/L}$) (DASHED WHERE INFERRED)

$<$

BELOW REPORTING LIMIT

(S)

SHALLOW PIEZOMETER

(D)

DEEP PIEZOMETER

GROUNDWATER COLLECTION TRENCH (GWCT)

APPROXIMATE PROPERTY BOUNDARY

J

RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE.

D

COMPOUND ANALYZED AT A DILUTION

E

RESULT EXCEEDED CALIBRATION RANGE

NOTE

1. THE HIGHEST CONCENTRATION OF VINYL CHLORIDE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

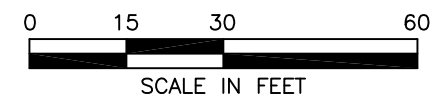


FIGURE 10
VINYL CHLORIDE ISOCONCENTRATION
CONTOUR MAP
APRIL 2012
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK

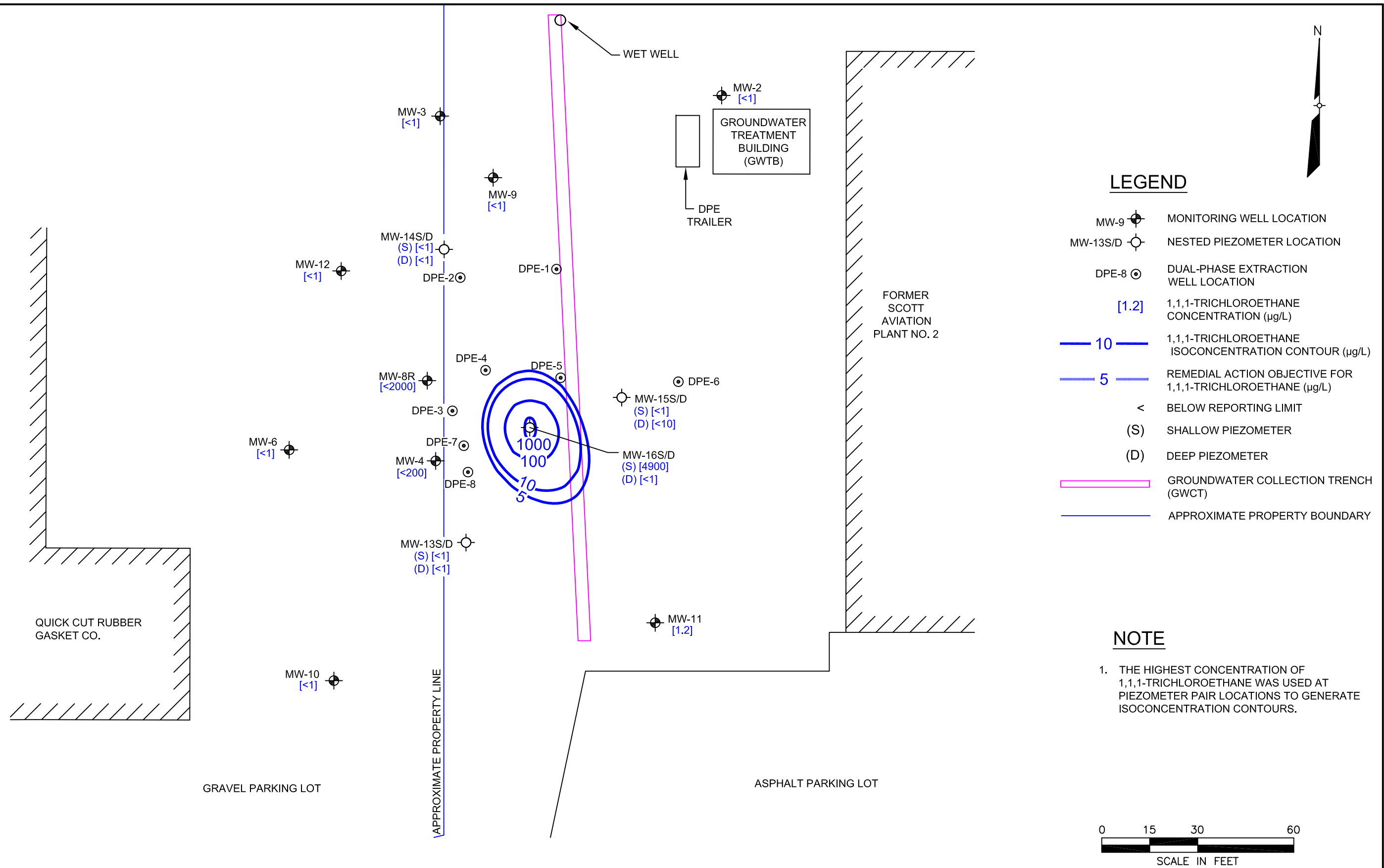
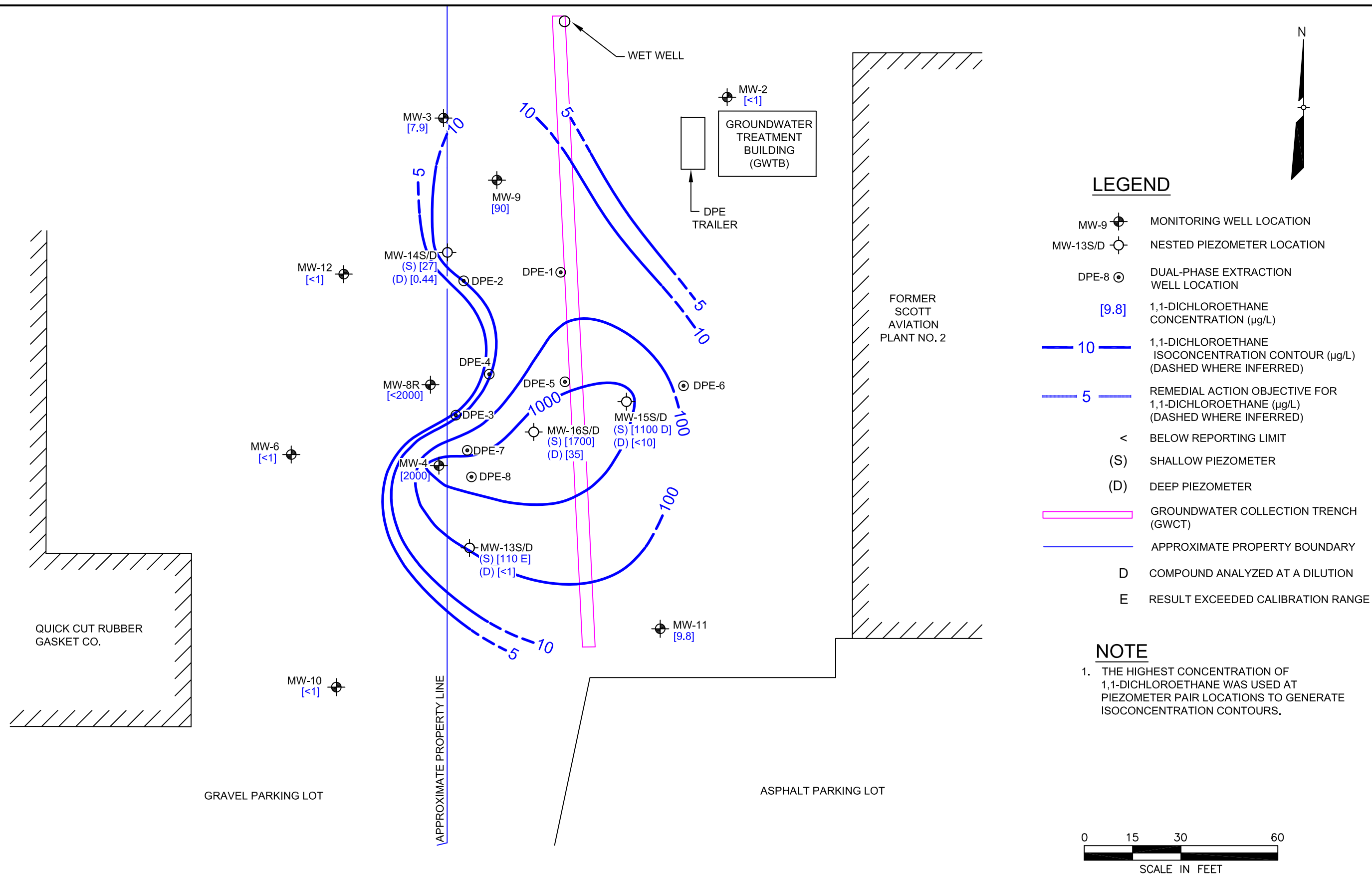
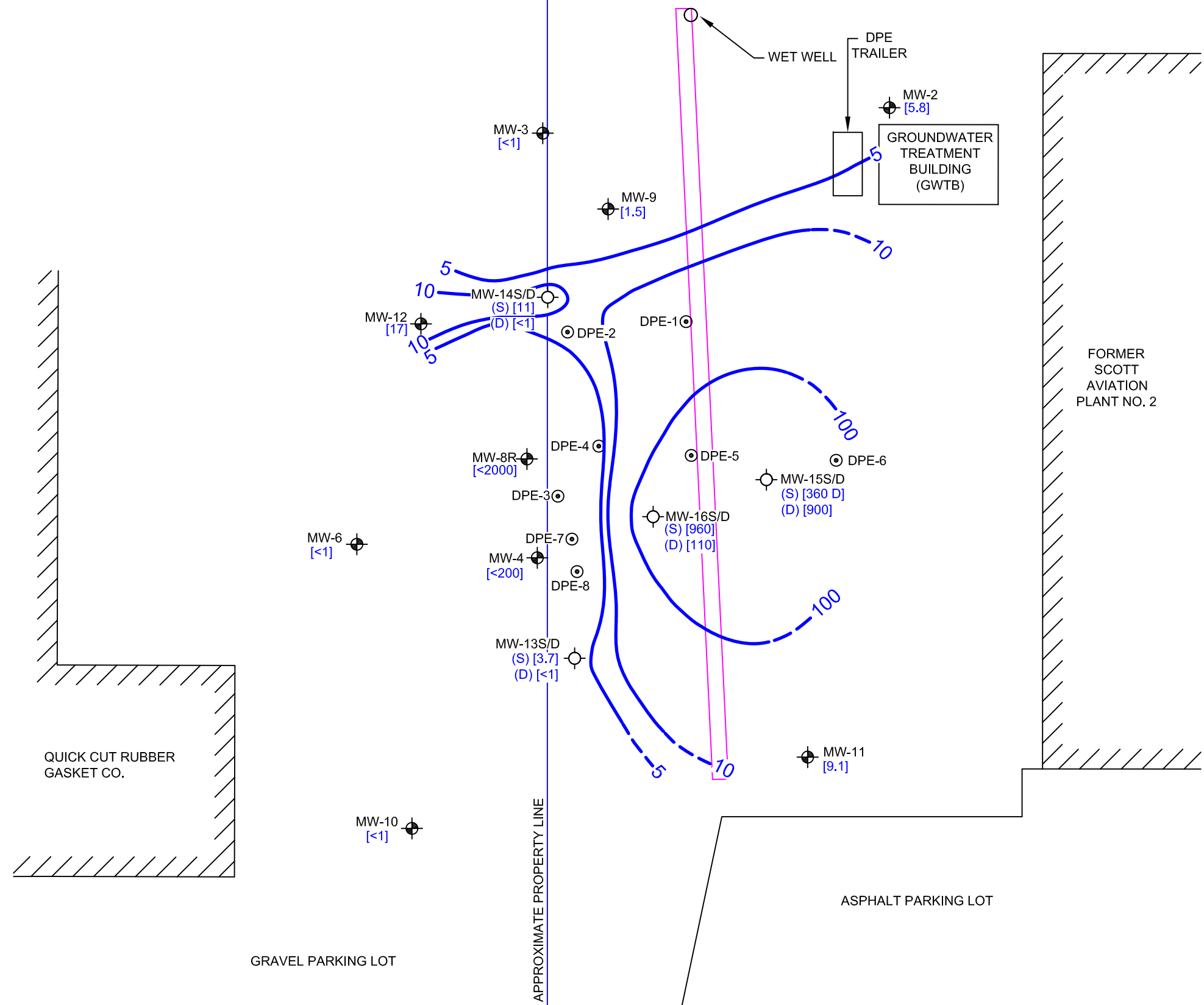


FIGURE 11
1,1,1-TRICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2012
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



AECOM

FIGURE 12
1,1-DICHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2012
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



LEGEND

- MW-9 MONITORING WELL LOCATION
- MW-13S/D NESTED PIEZOMETER LOCATION
- DPE-8 DUAL-PHASE EXTRACTION WELL LOCATION
- [1.5] CHLOROETHANE CONCENTRATION (µg/L)
- 10 CHLOROETHANE ISOCONCENTRATION CONTOUR (µg/L) (DASHED WHERE INFERRED)
- 5 REMEDIAL ACTION OBJECTIVE FOR CHLOROETHANE (µg/L) (DASHED WHERE INFERRED)
- < BELOW REPORTING LIMIT
- (S) SHALLOW PIEZOMETER
- (D) DEEP PIEZOMETER
- GROUNDWATER COLLECTION TRENCH (GWCT)
- APPROXIMATE PROPERTY BOUNDARY
- D COMPOUND ANALYZED AT A DILUTION

NOTE

- THE HIGHEST CONCENTRATION OF CHLOROETHANE WAS USED AT PIEZOMETER PAIR LOCATIONS TO GENERATE ISOCONCENTRATION CONTOURS.

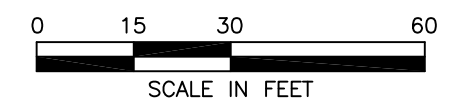
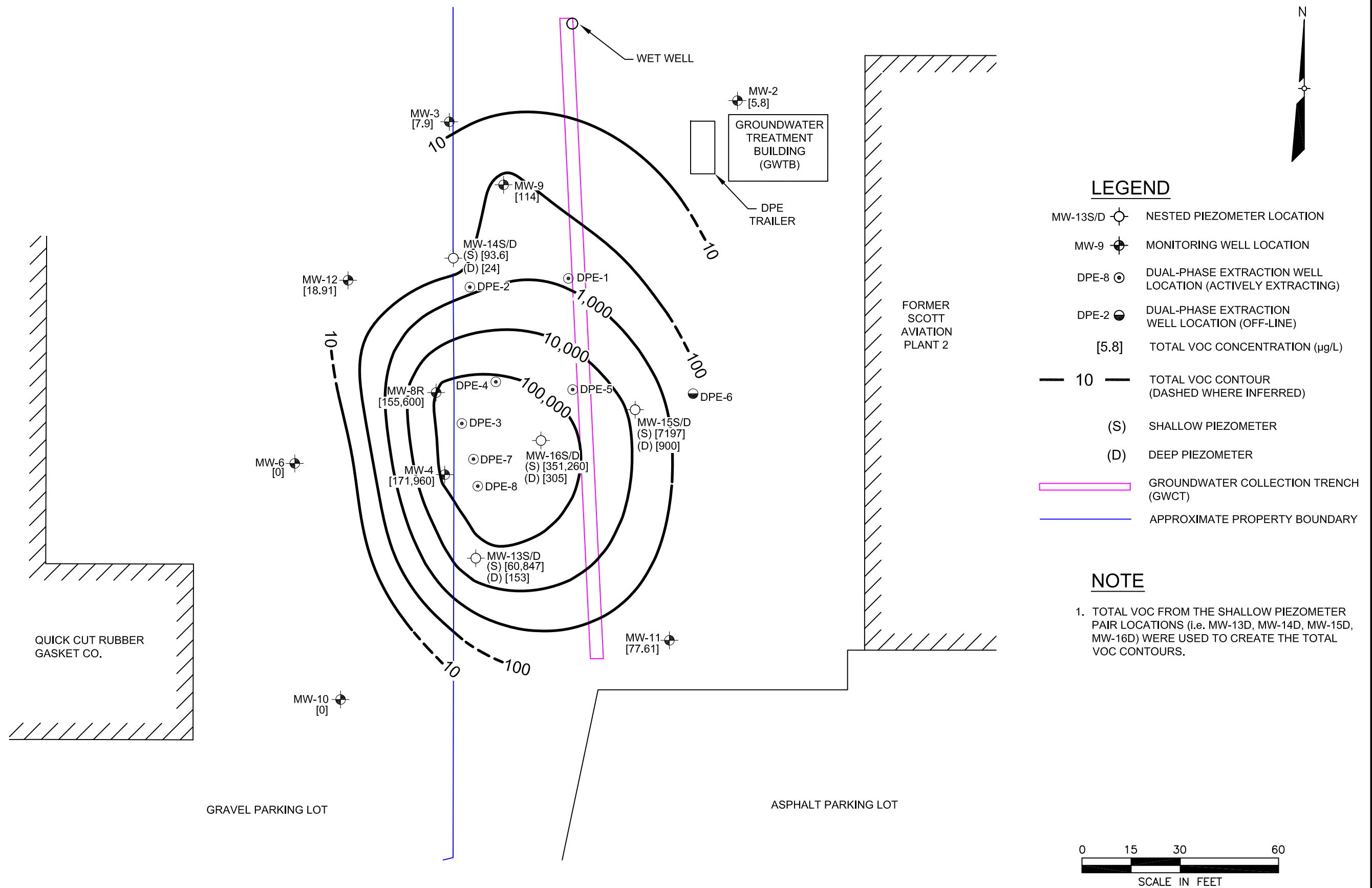


FIGURE 13
CHLOROETHANE ISOCONCENTRATION
CONTOUR MAP
APRIL 2012
FORMER SCOTT AVIATION FACILITY
LANCASTER, NEW YORK



Tables

Table 1

**Remedial Action Objectives
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

VOCs	Remedial Action Objective	
	Soil (mg/kg)	Groundwater (µg/L)
Chloroethane	1	5
1,1-Dichloroethane	1	5
1,2-Dichloroethene	1	5
1,1,1-Trichloroethane	1	5
Trichloroethene	1	5
Vinyl chloride	1	5
Ethylbenzene	1	5
Toluene	1	5
Xylenes	1	5
Total VOCs	10	NA

Notes:

mg/kg - milligrams per kilogram

µg/L - micrograms per liter

NA - not applicable

VOCs - volatile organic compounds

Table 2

**Monitoring Well, Nested Piezometer, Dual Phase Extraction Well, and Injection Well
Construction Specifications
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Well ID	Date Installed	Well Diameter (inches)	Bottom of Boring (ft bgs)	Screen Length (feet)	Screen Well Interval (ft bgs)	Filter Sand Pack Interval (ft bgs)	Bentonite Seal Interval (ft bgs)
Monitoring Wells							
MW-1	(1)	NA	NA	NA	NA	NA	NA
MW-2	05/24/91	2.0	15.0	10	5.0 - 15.0	4.0 - 15.0	1.0 - 4.0
MW-3	05/19/91	2.0	26.0	15	11.0 - 26.0	9.0 - 26.0	5.0 - 9.0
MW-4	05/23/91	2.0	26.0	10	16.0 - 26.0	14.0 - 26.0	11.0 - 14.0
MW-5	(1)	NA	NA	NA	NA	NA	NA
MW-6	03/17/04	2.0	26.0	10	16.0 - 26.0	14.0 - 16.0	11.5 - 14.0
MW-7	(2)	NA	NA	NA	NA	NA	NA
MW-8R	02/17/04	2.0	28.0	10	14.0 - 24.0	13.0 - 24.5	12.0 - 13.0
MW-9	04/11/99	2.0	25.4	20	5.4 - 25.4	4.0 - 25.4	2.0 - 4.0
MW-10	04/11/99	2.0	24.4	20	4.4 - 24.4	3.0 - 4.4	1.0 - 3.0
MW-11	03/01/04	2.0	29.0	20	8.5 - 28.5	7.5 - 29.0	6.5 - 7.5
MW-12	03/17/04	2.0	27.5	20	7.0 - 27.0	6.0 - 27.5	5.0 - 6.0
Nested Piezometers							
MW-13S	03/03/04	1.0	24.0	8	8.5 - 16.5	7.5 - 17.0	6.5 - 7.5
MW-13D	03/03/04	1.0	24.0	4	19.5 - 23.5	19.0 - 24.0	17.0 - 19.0
MW-14S	03/04/05	1.0	24.0	8	8.5 - 16.5	7.5 - 16.75	6.5 - 7.5
MW-14D	03/04/05	1.0	24.0	5	18.5 - 23.5	18.25 - 24.0	16.75 - 18.25
MW-15S	03/02/05	1.0	28.0	6	12.0 - 18.0	11.0 - 12.0	10.0 - 11.0
MW-15D	03/02/05	1.0	28.0	4	21.0 - 25.0	20.5 - 28.0	18.5 - 20.5
MW-16S	03/03/05	1.0	24.0	6	12.0 - 18.0	11.0 - 18.25	10.0 - 11.0
MW-16D	03/03/05	1.0	24.0	4	20.0 - 24.0	19.75 - 24.0	18.25 - 19.75
Dual Phase Extraction Recovery Wells							
DPE-1	02/17/04	4.0	18.5	5	13.0 - 18.0	12.0 - 18.5	11.0 - 12.0
DPE-2	02/19/04	4.0	26.0	5	18.5 - 23.5	18.0 - 26.0	17.0 - 18.0
DPE-3	02/18/04	4.0	18.0	8	8.5 - 16.5	8.0 - 18.0	7.0 - 8.0
DPE-4	(3)	2.0	27.7	20	7.7 - 27.7	6.0 - 27.7	4.0 - 6.0
DPE-5	02/16/04	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-6	02/16/04	4.0	18.3	6	12.0 - 18.0	11.0 - 18.3	10.0 - 11.0
DPE-7	02/19/04	4.0	26.0	4	19.5 - 23.5	19.0 - 26.0	18.0 - 19.0
DPE-8	02/18/04	4.0	17.0	8	8.5 - 16.5	8.0 - 17.0	7.0 - 8.0
Injection Wells							
IW-01	06/09/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-02	06/09/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-03	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-04	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-05	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-06	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-07	06/10/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-08	06/14/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-09	06/14/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0
IW-10	06/15/10	2.0	18.0	5	13.0 - 18.0	11.0 - 18.0	8.0 - 11.0

Notes:

ft bgs - feet below ground surface

MW-# - Monitoring Well

DPE-# - Dual Phase Extraction Recovery Well

(1) MW-1 and MW-5 are not monitored for this project.

(2) MW-7 was abandoned in November 2003 per Section 3.7 of the Remedial Design Work Plan.

(3) Pre-existing monitoring well MW-8 (installed 04/11/99) was converted to DPE-4 in February 2004.

NA - Information is not available.

Table 3

**Summary of the Groundwater Monitoring Program - July 2011 through April 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Event Date	Number of Wells/Piezometers Sampled	Wells/Piezometers Sampled			
Quarterly Groundwater Monitoring					
July 2011	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
October 2011	9	MW-2 MW-8R MW-16S	MW-3 MW-10	MW-4 MW-11	MW-6 MW-12
January 2012	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
Comprehensive Annual Groundwater Monitoring					
April 2012	17	MW-2 MW-8R MW-12 MW-14D MW-16D	MW-3 MW-9 MW-13S MW-15S	MW-4 MW-10 MW-13D MW-15D	MW-6 MW-11 MW-14S MW-16S

Table 4

**Quarterly Groundwater Monitoring Water Level Data - April 2, 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Monitoring Point Identification	Top of Casing Elevation (feet AMSL)	Depth to Water (feet from TOC)	Ground Water Elevation (feet AMSL)
Monitoring Wells			
MW-2	690.35	6.00	684.35
MW-3	687.02	9.81	677.21
MW-4	686.42	13.10	673.32
MW-6	686.53	9.39	677.14
MW-8R	686.21	11.70	674.51
MW-9	688.64	14.52	674.12
MW-10	687.41	8.51	678.90
MW-11	688.65	12.87	675.78
MW-12	686.15	5.30	680.85
Nested Piezometers			
MW-13S	686.60	8.06	678.54
MW-13D	686.73	11.76	674.97
MW-14S	685.70	4.55	681.15
MW-14D	685.82	16.50	669.32
MW-15S	687.52	1.40	686.12
MW-15D	687.62	14.30	673.32
MW-16S	685.84	5.85	679.99
MW-16D	686.01	12.61	673.40

Notes:

TOC - Top of Casing

AMSL - Above Mean Sea Level

NA - Not available

Table 5

**Summary of Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater RAO/ NYCRR Objectives	MW-2 04/02/12 480-18001-1	MW-3 04/02/12 480-18001-2	MW-4 04/03/12 480-18001-11	MW-6 04/02/12 480-18001-3	MW-8R 04/03/12 480-18001-4	MW-9 04/02/12 480-18001-12	MW-10 04/02/12 480-18001-5	MW-11 04/02/12 480-18001-6	MW-12 04/02/12 480-18001-7
Volatile Organic Compounds by Method 8260 (µg/L)										
1,1,1-Trichloroethane	5	< 1 U	< 1 U	< 200 U	< 1 U	< 2000 U	< 1 U	< 1 U	1.2	< 1 U
1,1,2,2-Tetrachloroethane	5	< 1 U	< 1 U	< 200 U	< 1 U	< 2000 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	1	< 1 U	< 1 U	< 200 U	< 1 U	< 2000 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	5	< 1 U	7.9	2000	< 1 U	< 2000 U	90	< 1 U	9.8	< 1 U
1,1-Dichloroethene	5	< 1 U	< 1 U	770	< 1 U	< 2000 U	< 1 U	< 1 U	1	< 1 U
1,2-Dichloroethane	0.6	< 1 U	< 1 U	< 200 U	< 1 U	< 2000 U	1.7	< 1 U	< 1 U	0.41 J
2-Hexanone	50	< 5 U	< 5 U	< 1000 U	< 5 U	< 10000 U	< 5 U	< 5 U	< 5 U	< 5 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 2000 U	< 10 U	< 20000 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Methyl-2-pentanone (MIBK)	NL	< 5 U	< 5 U	< 1000 U	< 5 U	< 10000 U	< 5 U	< 5 U	< 5 U	< 5 U
Acetone	50	< 10 U	< 10 U	< 2000 U	< 10 U	< 20000 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzene	1	< 1 U	< 1 U	< 200 U	< 1 U	< 2000 U	< 1 U	< 1 U	< 1 U	1.5
Chloroethane	5	5.8	< 1 U	< 200 U	< 1 U	< 2000 U	1.5	< 1 U	9.1	17
cis-1,2-Dichloroethene	5	< 1 U	< 1 U	120000 D	< 1 U	54000	19	< 1 U	39	< 1 U
Ethylbenzene	5	< 1 U	< 1 U	< 200 U	< 1 U	< 800 U	< 1 U	< 1 U	< 1 U	< 1 U
Methylene Chloride	5	< 1 U	< 1 U	< 200 U	< 1 U	< 800 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	< 1 U	< 1 U	< 200 U	< 1 U	< 800 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	5	< 1 U	< 1 U	< 200 U	< 1 U	< 800 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,2-Dichloroethene	5	< 1 U	< 1 U	790	< 1 U	< 800 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethene	5	< 1 U	< 1 U	39000 D	< 1 U	99000	< 1 U	< 1 U	0.51 J	< 1 U
Vinyl chloride	2	< 1 U	< 1 U	9400	< 1 U	2600	1.8	< 1 U	17	< 1 U
Xylenes, Total	5	< 2 U	< 2 U	< 400 U	< 2 U	< 4000 U	< 2 U	< 2 U	< 2 U	< 2 U

Table 5

**Summary of Analytical Data
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Sample ID	Groundwater	MW-13D	MW-13S	MW-14D	MW-14S	MW-15D	MW-15S	MW-16D	MW-16S
Date Collected	RAO/ NYCRR	04/03/12	04/03/12	04/02/12	04/02/12	04/02/12	04/03/12	04/03/12	04/03/12
Lab Sample ID	Objectives	480-18001-13	480-18001-8	480-18001-15	480-18001-14	480-18001-17	480-18001-16	480-18001-19	480-18001-18
Volatile Organic Compounds by Method 8260 (µg/L)									
1,1,1-Trichloroethane	5	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	< 1 U	4900
1,1,2,2-Tetrachloroethane	5	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	0.58 J	< 400 U
1,1,2-Trichloroethane	1	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 1 U	0.65 J	< 400 U
1,1-Dichloroethane	5	< 1 U	110 E	0.44 J	27	< 10 U	1100 D	35	1700
1,1-Dichloroethene	5	< 1 U	180 E	< 1 U	< 1 U	< 10 U	26	< 1 U	840
1,2-Dichloroethane	0.6	< 1 U	0.52 J	< 1 U	0.97 J	< 10 U	1.3	0.99 J	< 400 U
2-Hexanone	50	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	21	< 5 U	< 2000 U
2-Butanone (MEK)	50	< 10 U	< 10 U	< 10 U	< 10 U	< 100 U	590 D	< 10 U	< 4000 U
4-Methyl-2-pentanone (MIBK)	NL	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	46	< 5 U	< 2000 U
Acetone	50	< 10 U	< 10 U	< 10 U	< 10 U	< 100 U	2600	< 10 U	< 4000 U
Benzene	1	< 1 U	0.74 J	< 1 U	1.4	< 10 U	4.2	< 1 U	< 400 U
Chloroethane	5	< 1 U	3.7	< 1 U	11	900	360 D	110	960
cis-1,2-Dichloroethene	5	89	21000 D	13	30	< 10 U	1400 D	66	84000 D
Ethylbenzene	5	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	8.8	< 1 U	< 400 U
Methylene Chloride	5	< 1 U	0.57 J	< 1 U	< 1 U	< 10 U	3.5	0.63 J	< 400 U
Tetrachloroethene	5	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	0.81 J	< 1 U	< 400 U
Toluene	5	< 1 U	1.9	< 1 U	< 1 U	< 10 U	200 D	< 1 U	460
trans-1,2-Dichloroethene	5	< 1 U	230 E	< 1 U	0.9 J	< 10 U	7.8	3.4	< 400 U
Trichloroethene	5	62	39000 D	0.64 J	1.3	< 10 U	240 D	42	250000
Vinyl chloride	2	2.3	320 E	9.9	21	< 10 U	540 D	46	8400
Xylenes, Total	5	< 2 U	< 2 U	< 2 U	< 2 U	< 20 U	48	< 2 U	< 800 U

Notes:

Bold font indicates the analyte was detected.

Bold font and bold outline indicates the screening criteria was exceeded.

J - Analyte detected at a level less than the reporting limit and greater than or equal to the method detection limit. Concentrations within this range are estimated.

D - Dilution required due to high concentration of target analyte(s).

U - Not detected at or above reporting limit.

E - Result exceeded calibration range.

Table 6

Vapor Monitoring Results - April 2012
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: Sample Date:	LRP Effluent 4/2/2012	AS Effluent 4/2/2012
<u>VOCs by Method TO-15 ($\mu\text{g}/\text{m}^3$)</u>		
Vinyl Chloride	2,800	29
1,1-Dichloroethene	420	5.5 U
1,1-Dichloroethane	1,400	32
1,2-Dichloroethene - total	5,400	1,000
1,1,1-Trichloroethane	2,300	8.3
Chloroethane	600 U	22
trans-1,2-Dichloroethene	410	5.5 U
cis-1,2-Dichloroethene	53,000	1,000
Trichloroethene	50,000	280
Total Detected VOCs ($\mu\text{g}/\text{m}^3$)	115,730	2,371
Vacuum (inches Hg)*	22	0.44
Air Flow Rate (acfm)*	54	209
VOC discharge loading (lb/hr)	0.0236	0.0019
Total VOC discharge loading (lb/hr)	0.025	

Notes:

* The LRP flow rate used for the calculation was recorded during the sampling activity (44 scfm, 22 in. Hg) on April 2, 2012.

* The air stripper vacuum measured on April 2, 2012 was 6 inches H₂O and the flow rate was 210 scfm.

1. $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter
2. acfm = actual cubic feet per minute
3. scfm = standard cubic feet per minute
4. lb/hr = pounds per hour
5. LRP Effluent represents the untreated vapor discharge for the Liquid Ring Pump.
6. AS Effluent represents the untreated vapor discharge for the Air Stripper.

Qualifiers:

U - Not detected at or above reporting limit (reporting limit not included in the Total Detected VOCs).

Table 7

Volatile Organic Compound Removed - Aqueous Phase
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID Sample Date	Influent Third Quarter 2011	Influent Fourth Quarter 2011	Influent 1/12/2012	Influent 4/2/2012
<u>VOCs (Method 8260) (µg/L)</u>				
Acetone	NS	NS	10 U	21
Chloroethane	NS	NS	3.6	3.8
1,1-Dichloroethane	NS	NS	2.1	3.4
1,1,1,2-Tetrachloroethane	NS	NS	0.52 J	0.41 J
cis-1,2-Dichloroethene	NS	NS	47	120
trans-1,2-Dichloroethene	NS	NS	0.95 J	1.0 U
Trichloroethene	NS	NS	25	47
Vinyl Chloride	NS	NS	1.2	3.4
2-Butanone (MEK)	NS	NS	10 U	3.6 J
Total VOCs (µg/L)	NS	NS	80.4	202.6
Air Stripper Totalizer Readings (gallons)	443,380 (4/4/11) 443,380 (7/25/11)	443,380 (7/25/11) 0 (10/3/11)	0 (10/3/11) 22,939 (1/12/12)	22,939 (1/12/12) 210,803 (4/2/12)
Gallons Processed	0	0	22,939	187,864
VOCs Removed (pounds)	0.0	0.0	0.015	0.318
Total VOCs Removed (pounds)	0.333			

Notes:

1. µg/L = micrograms per liter.
2. Influent - Represents the combined dual phase extraction and groundwater collection trench influent to the air stripper.
3. Dates are indicated next to the air stripper totalizer readings.
4. Undetected compounds (U) not included in Total VOCs.
5. NS - Combined dual phase extraction and groundwater collection trench not running due to chemical injection pilot test.
6. New AS totalizer installed in October 2011.

Qualifiers:

- J - Indicates compounds detected as estimated.
U - Indicates compounds not detected above the quantitation limit.
D - Indicates compounds detected at secondary dilution factor.

Table 8

Volatile Organic Compound Mass Removed - Vapor Phase
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Sample ID: Sample Date:	LRP/AS Effluent Third Quarter 2011	LRP/AS Effluent Fourth Quarter 2011	LRP/AS Effluent 1/12/2012	LRP/AS Effluent 4/2/2012
VOCs by Method TO-15 (µg/m3)				
Vinyl Chloride	NS	NS	142	2,829
1,1-Dichloroethane	NS	NS	112	1,432
Chloroethane	NS	NS	9.6	22
Bromoethene	NS	NS	0.87	U
Methylene Chloride	NS	NS	2.1	U
n-Hexane	NS	NS	1.3	U
Toluene	NS	NS	1.2	U
1,1-Dichloroethene	NS	NS	U	420
1,1,1-Trichloroethane	NS	NS	250	2,308
1,2-Dichloroethene, total	NS	NS	4,515	6,400
cis-1,2-Dichloroethene	NS	NS	4,515	54,000
Trichloroethene	NS	NS	9,411	50,280
Trans-1,2-Dichloroethene	NS	NS	U	410
Total Detected VOCs (µg/m3)	NS	NS	18,960	118,101
Air Flow Rate (acfm)	-	-	21	54
VOC discharge loading (lb/hr)	0.0015	0.0015	0.0015	0.0239
LRP Runtime from O&M logs (hours)	535	199	937	170
Total VOC discharge loading (lb/hr)	0.802	0.299	1.397	4.059
Total VOCs removed (lb)	6.6			

Notes:

1. µg/m³ = micrograms per cubic meter.
2. Undetected compounds (U) not included in Total Average VOCs
3. acfm = actual cubic feet per minute.
4. lb/hr = pounds per hour
5. LRP/AS = combined liquid ring pump and air stripper effluent data
6. NS - Combined dual phase extraction and groundwater collection trench not running during time of sample collection due to chemical injection pilot test.
7. LRP runtime calculated using the difference in hour meter readings for the reporting period April 4, 2011 (31,732 hours) and April 2, 2012 (33,572 hours).
8. Third and Fourth Quarter 2011 total VOC discharge loading estimated using First Quarter 2012 data

Qualifiers:

U - Indicates compounds not detected above the quantitation limit

Table 9

**Combined DPE Remediation System Operation and Maintenance Schedule
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York**

Frequency	Operation and Maintenance Activity
Weekly	Record System Operational Parameters Inspect All Piping, Mechanical, and Electrical Components Check/Fill LRP Seal Fluid
Monthly	Change Bag Filters/Clean Housings and change KO Tank Filter as needed
Quarterly	Clean System Components (KO Tank, OWS, Hold Tank, Air Stripper)
Annually	Replace LRP Seal Fluid Replace LRP Separator Element Grease LRP Bearings Perform DPE Well and Conveyance Lines Scale Abatement Activity at Select Wells

Notes:

KO: Knockout

LRP: Liquid Ring Pump

OWS: Oil/Water Separator

Table 10

Groundwater Monitoring Schedule - July 2012 through April 2013
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Event Date	Number of Wells/Piezometers Scheduled for Sampling	Wells/Piezometers Scheduled for Sampling			
Quarterly Groundwater Monitoring					
July 2012	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
October 2012	8	MW-2 MW-10	MW-3 MW-11	MW-6 MW-12	MW-8R MW-13S
January 2013	8	MW-2 MW-10	MW-3 MW-11	MW-4 MW-12	MW-6 MW-16S
Comprehensive Annual Groundwater Monitoring					
April 2013	17	MW-2 MW-8R MW-12 MW-14D MW-16D	MW-3 MW-9 MW-13S MW-15S	MW-4 MW-10 MW-13D MW-15D	MW-6 MW-11 MW-14S MW-16S

Notes:

MW-## - Monitoring Well

MW-##S - Shallow piezometer

MW-##D - Deep piezometer

Table 11
Monitoring and Compliance Sampling Summary
Former Scott Aviation Facility
NYSDEC Site Code No. 9-15-149
Lancaster, New York

Location/Type	Matrix	Analytical Parameter					Comments
		VOCs (8260B)	Total Extractable Hydrocarbons (TEHs)	TSS	pH	VOCs (TO-15)	
Quarterly BSA Sampling - 5 Events							
GWTB Influent	aqueous	1	1	1	1	0	Four grabs over process day
GWTB Effluent	aqueous	1	1	1	1	0	Four grabs over process day
Trip Blank	aqueous	1	0	0	0	0	Trip Blank for BSA and Compliance Sampling, Quality Assurance/Quality Control
Per Event		3	2	2	2	0	
Sub-Total		15	10	10	10	0	
Remedial Action Compliance Sampling							
Quarterly - 3 Events							
Primary Samples	aqueous	8	0	0	0	0	*Wells: MW-2, MW-3, MW-4, MW-6, MW-8R, MW-10, MW-11, MW-12, MW-13S, MW-16S
Duplicate	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Trip Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Rinsate Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Air Stripper Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
LRP Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
Per Event		11	0	0	0	2	
Subtotal		44	0	0	0	8	
Annual Event - 1 Event							
Primary Samples	aqueous	17	0	0	0	0	Wells: MW-2, MW-3, MW-4, MW-6, MW-8R, MW-9, MW-10, MW-11, MW-12, MW-13 S/D, MW-14 S/D, MW-15 S/D, MW-16 S/D
Trip Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Duplicate	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Rinsate Blank	aqueous	1	0	0	0	0	Quality Assurance/Quality Control
Air Stripper Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
LRP Effluent	air	0	0	0	0	1	Air Discharge Limit Compliance
Subtotal		20	0	0	0	2	
Total		79	10	10	10	10	

Methods:

VOCs by USEPA SW-846 Method 8260B (aqueous)

Total extractable hydrocarbons by 40 CFR 136 Method 160.2

Total suspended solids by 40 CFR 136 Method 1664

pH by 40 CFR 136 Method 150.1

VOCs by USEPA Method TO-15 (air)

* alternate MW-4/MW-16S and MW-8R/MW-13S every quarter

Appendix A

Former Scott Aviation Plant 2 O&M Checklist

AECOM Technical Services, Inc.
SCOTT AVIATION PLANT 2 O&M CHECKLIST (updated 4/2012)

Date: _____ **Weather:** _____

Time: _____ **Field Technician Name:** _____

DPE Process Room

DPE Wells (indicate vacuum reading if well is in operation)

DPE-1	_____ "Hg	DPE-5	_____ "Hg
DPE-2	_____ "Hg	DPE-6	_____ OFF
DPE-3	_____ "Hg	DPE-7	_____ "Hg
DPE-4	_____ "Hg	DPE-8	_____ "Hg

Comments: _____

LRP Tank Exhaust Temperature -	_____ °F	KO Pump Pressure -	_____ No gauge
LRP Filter Pressure -	_____ PSI	Hold Tank Pump Pressure -	_____ PSI
LRP Oil Level -	_____	Bag Filter #1 Inlet Pressure -	_____ PSI
LRP Inlet Vacuum -	_____ "Hg	Bag Filter #1 Outlet Pressure -	_____ PSI
LRP Exhaust Temperature -	_____ °F	Bag Filter #2 Inlet Pressure -	_____ Bag filter off line
LRP Flow Rate -	_____ x1000 FPM	Bag Filter #2 Outlet Pressure -	_____ Bag filter off line
KO Tank Vacuum -	_____ "Hg	DPE Totalizer (T1) -	_____ GAL
		DPE Totalizer (T2) -	_____ GAL

Comments: _____

DPE Control Room

LRP Hour Meter -	_____ HRS
KO Tank Hour Meter -	_____ HRS
Hold Tank Hour Meter -	_____ HRS

Comments: _____

Groundwater Treatment Building

GW Trench Totalizer	_____ GAL	Air Stripper Vacuum -	_____ "H ₂ O
Air Stripper Influent Flowrate -	_____ GPM	Air Stripper Flow -	_____ "H ₂ O
Air Stripper Effluent Totalizer (T1) -	_____ GAL	AS Discharge Pump Pressure -	_____ PSI
Air Stripper Effluent Totalizer (T2) -	_____ GAL	AS Flow Gauge -	_____ SCFM
Air Stripper Effluent Temperature -	_____ °F		

Comments: _____

Appendix B

April 2012 Field Forms

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/2/2012

Field Personnel E. Laity

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60197162

Well ID # MW-2

 Upgradient Downgradient

Weather Conditions sunny

Air Temperature 40 ° F

Total Depth (TWD) Below Top of Casing = 16.4 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 5.85 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 4 liter

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 690.35 1/100 ft

Height of Riser (above land surface) 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 7-17 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	100	100	100	90	90	100	100	100
Time (Military)	8:55	9:00	9:05	9:10	9:15	9:20	9:25	9:30
Depth to Groundwater Below Top of Casing (ft)	6.8	7.4	8.05	8.1	8.47	8.25	8.4	8.5
Drawdown (ft)	-0.95	-0.6	-0.65	-0.05	-0.37	0.22	-0.15	-0.1
pH (S.U.)	6.87	6.56	6.48	6.4	6.38	6.38	6.38	6.37
Sp. Cond. (mS/cm)	1.63	1.651	1.657	1.67	1.669	1.615	1.573	1.493
Turbidity (NTUs)	60.3	30.2	26.2	18.9	24.7	25.7	25.19	25.4
Dissolved Oxygen (mg/L)	5.63	1.08	0.77	0.84	0.52	0.32	0.23	0.14
Water Temperature (°C)	8	8.1	8.2	7.1	7.4	7.8	8	7.7
ORP (mV)	-113	-111.6	-112.8	-107.9	-107.5	-108.8	-110	-107.7

Physical appearance at start Color clear w/ little iron bacteriaOdor noSheen/Free Product noPhysical appearance at sampling Color clearOdor noSheen/Free Product COMMENTS/OBSERVATIONS Start purging @ 8:50. Set tubing at center of well screen. Sample time @ 9:30. Small amount of iron bacteria at start of pumping.

Date (mo/day/yr)	4/2/2012	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60197162	
Well ID #	MW-3	
	Upgradient	Downgradient
Weather Conditions	Sunny	
Air Temperature	45	° F
Total Depth (TWD) Below Top of Casing =	28	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	9.6	1/100 ft
Length of Water Column (LWC) = TWD - DGW =		1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= gal
3 Casing Volumes =		gal
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	4	liters

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	687.72	1/100 ft
Height of Riser (above land surface)		1/100 ft
Land Surface Elevation		1/100 ft
Screened Interval (below land surface)	7.5 - 27.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)

Time (Military)

Depth to Groundwater
Below Top of Casing (ft)

Drawdown (ft)

pH (S.U.)

Sp. Cond. (mS/cm)

Turbidity (NTUs)

Dissolved Oxygen (mg/L)

Water Temperature (°C)

ORP (mV)

200	150	150	100	100			
11:00	11:05	11:10	11:15	11:20			
10.6	10.95	11.6	12	12.3			
-1	-0.35	-0.65	-0.4	-0.3			
6.83	6.74	6.71	6.7	6.69			
1.197	1.193	1.195	1.198	1.197			
19.8	10.29	8.39	9.86	6.61			
5.27	2.6	0.32	0.3	0.22			
10.2	10	10.4	10	10.2			
22.7	23.9	23.4	22	22.4			

Physical appearance at start	Color	<u>clear</u>
	Odor	<u>no</u>
Sheen/Free Product	no	

Physical appearance at sampling	Color	<u>clear</u>
	Odor	<u>no</u>
Shreen/Free Product		

COMMENTS/OBSERVATIONS	Start purging at 10:55. Set tubing at center of well screen. Sample time @ 11:20. Well drawing down.

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/2/2012

Field Personnel E. Laity

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60197162

Well ID # MW-6

 Upgradient Downgradient

Weather Conditions sunny

Air Temperature 50

Total Depth (TWD) Below Top of Casing = 25 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 9.2 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 3 liter

Casing Diameter 2 inches

Casing Material PVC

Measuring Point Elevation 686.68 1/100 ft

Height of Riser (above land surface) 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 14.5 - 24.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	125	125	125		
Time (Military)	13:10	13:15	13:20	13:25	13:30	13:35		
Depth to Groundwater Below Top of Casing (ft)	9.8	10.35	10.9	11.02	11.1	11.2		
Drawdown (ft)	-0.6	-0.55	-0.55	-0.12	-0.08	-0.1		
pH (S.U.)	7.2	7.22	7.22	7.22	7.2	7.22		
Sp. Cond. (mS/cm)	0.945	0.941	0.942	0.944	0.948	0.945		
Turbidity (NTUs)	34.4	35.5	30.5	18.5	20.4	16.3		
Dissolved Oxygen (mg/L)	3.23	1.98	0.76	0.52	0.54	0.45		
Water Temperature (°C)	11.5	11.5	11.6	11.5	11.5	11.6		
ORP (mV)	-24.3	-15.5	-11.9	-18.3	-27	-38.7		

Physical appearance at start Color slightly cloudyOdor noSheen/Free Product noPhysical appearance at sampling Color clearOdor noSheen/Free Product noCOMMENTS/OBSERVATIONS Start purging @ 13:05. Set tubing at center of well screen. Sample time @ 13:40

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/3/2012
Field Personnel E. Laity
Site Name Former Scott Aviation Site - Lancaster, NY
Job # 60197162
Well ID # MW-8R
 Upgradient Downgradient
Weather Conditions partly cloudy
Air Temperature 45 ° F
Total Depth (TWD) Below Top of Casing = 27.5 1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = 12.5 1/100 ft
Length of Water Column (LWC) = TWD - DGW = 1/100 ft
1 Casing Volume (OCV) = LWC x 0.163 = gal
3 Casing Volumes = gal
Method of Well Evacuation Peristaltic Pump
Method of Sample Collection Peristaltic Pump/Poly Tubing
Total Volume of Water Removed 4 liter

Casing Diameter 4 inches
Casing Material PVC
Measuring Point Elevation 685.67 1/100 ft
Height of Riser (above land surface) 1/100 ft
Land Surface Elevation 1/100 ft
Screened Interval (below land surface) 14 - 24 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150		
Time (Military)	11:50	11:55	12:00	12:05	12:10		
Depth to Groundwater Below Top of Casing (ft)	13.05	13.8	14.4	14.7	15.05		
Drawdown (ft)	-0.55	-0.75	-0.6	-0.3	-0.35		
pH (S.U.)	6.78	6.53	6.49	6.5	6.49		
Sp. Cond. (S/cm)	2.893	2.097	2.094	2.875	2.874		
Turbidity (NTUs)	72.1	28.4	26	26.1	26.7		
Dissolved Oxygen (g/L)	4.9	0	0	0	0		
Water Temperature (°C)	10.7	10.8	10.8	10.8	10.9		
ORP (mV)	-121.4	-130.2	-129.7	-129.8	-130.6		

Physical appearance at start Color slightly cloudy
Odor no

Physical appearance at sampling Color clear
Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Start purging @ 11:45. Set tubing at center of well screen. Sample time @ 12:15.

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Date (mo/day/yr)	4/2/2012	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60197162	
Well ID #	MW-10	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	50	° F
Total Depth (TWD) Below Top of Casing =	24	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	9.8	1/100 ft
Length of Water Column (LWC) = TWD - DGW =		1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	= gal
3 Casing Volumes =		gal
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	3	liter

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	687.72	1/100 ft
Height of Riser (above land surface)		1/100 ft
Land Surface Elevation		1/100 ft
Screened Interval (below land surface)	3.5 - 23.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)

Time (Military)

Depth to Groundwater
Below Top of Casing (ft)

Drawdown (ft)

pH (S.U.)

Sp. Cond. (mS/cm)

Turbidity (NTUs)

Dissolved Oxygen (mg/L)

Water Temperature (°C)

ORP (mV)

FIELD ANALYSIS							
125	125	125	125				
13:55	14:00	14:05	14:10				
8.95	9.35	9.65	9.9				
0.85	-0.4	-0.3	-0.25				
6.92	6.59	6.49	6.51				
1.921	1.934	1.935	1.936				
5.98	1.87	0.9	1.49				
7.5	1.03	0.09	0				
10.9	10.7	10.8	10.7				
8.3	7.2	7	7.7				

Physical appearance at start	Color	<u>clear</u>
	Odor	<u>no</u>
Sheen/Free Product	no	

Physical appearance at sampling	Color	<u>clear</u>
	Odor	<u>no</u>
Sheen/Free Product	no	

COMMENTS/OBSERVATIONS	Start purging @ 13:50. Set tubing at center of well screen. Sample time @14:15.

Date (mo/day/yr)	4/2/2012	
Field Personnel	E. Laity	
Site Name	Former Scott Aviation Site - Lancaster, NY	
Job #	60197162	
Well ID #	MW-11	
	Upgradient	Downgradient
Weather Conditions	sunny	
Air Temperature	45	
Total Depth (TWD) Below Top of Casing =	28.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	13.75	1/100 ft
Length of Water Column (LWC) = TWD - DGW =		1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	gal
3 Casing Volumes =		gal
Method of Well Evacuation	Peristaltic Pump	
Method of Sample Collection	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed	4	liter

Casing Diameter	2	inches
Casing Material	PVC	
Measuring Point Elevation	688.61	1/100 ft
Height of Riser (above land surface)		1/100 ft
Land Surface Elevation		1/100 ft
Screened Interval (below land surface)	8.5 - 28.5	1/100 ft

[illegible]

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150			
Time (Military)	10:00	10:05	10:10	10:15	10:20			
Depth to Groundwater Below Top of Casing (ft)	13.9	14	14.1	14.17	14.25			
Drawdown (ft)	-0.15	-0.1	-0.1	-0.07	-0.08			
pH (S.U.)	6.57	6.49	6.45	6.44	6.43			
Sp. Cond. (mS/cm)	2.987	3.108	3.122	3.118	3.113			
Turbidity (NTUs)	2.35	0.93	0	0.11	1.1			
Dissolved Oxygen (mg/L)	5.46	1.54	0.2	0.06	0.04			
Water Temperature (°C)	10.1	10.5	10.6	10.8	10.9			
ORP (mV)	-54.3	-61.6	-68.6	-73.1	-75.8			

Physical appearance at start	Color	<u>clear</u>
	Odor	no

Physical appearance at sampling	Color	clear
	Odor	no

Sheen/Free Product	no

Sheen/Free Product	no

COMMENTS/OBSERVATIONS	Start purging at 9:55. Set tubing at center of well screen. Sample time @10:25.

Date (mo/day/yr) _____	4/2/2012		Casing Diameter _____	4	inches
Field Personnel _____	E. Laity		Casing Material _____	PVC	
Site Name _____	Former Scott Aviation Site - Lancaster, NY		Measuring Point Elevation _____	685.79	1/100 ft
Job # _____	60147012		Height of Riser (above land surface) _____		1/100 ft
Well ID # _____	MW-12		Land Surface Elevation _____		1/100 ft
	_____ Upgradient	_____ Downgradient	Screened Interval (below land surface) _____	7 - 27	1/100 ft
Weather Conditions _____	sunny				
Air Temperature _____	50	° F			
Total Depth (TWD) Below Top of Casing = _____	27.5	1/100 ft			
Depth to Groundwater (DGW) Below Top of Casing = _____	5.15	1/100 ft			
Length of Water Column (LWC) = TWD - DGW = _____		1/100 ft			
1 Casing Volume (OCV) = LWC x _____	0.163	= _____ gal			
3 Casing Volumes = _____		gal			
Method of Well Evacuation _____	Peristaltic Pump				
Method of Sample Collection _____	Peristaltic Pump/Teflon Tubing				
Total Volume of Water Removed _____	3	liter			

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES							
VOLUME PURGED (ml)	125	125	125	125			
TIME (Military)	12:35	12:40	12:45	12:50			
Depth to Groundwater Below Top of Casing (ft)	5.7	6	6.6	7.1			
Drawdown (ft)	-0.55	-0.3	-0.6	-0.5			
pH (S.U.)	6.47	6.43	6.4	6.39			
Sp. Cond. (mS/cm)	1.687	1.693	1.695	1.691			
Turbidity (NTUs)	3.66	3	3.1	4.64			
Dissolved Oxygen (mg/L)	7.44	2.33	0.05	0			
Water Temperature (°C)	10.2	10.2	10.2	10.2			
ORP (mV)	-99.1	-96.4	-95.2	-95.5			
Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear		
	Odor	no		Odor	no		
Sheen/Free Product	no		Sheen/Free Product	no			

COMMENTS/OBSERVATIONS _____	Start purging at 12:30. Set tubing at center of well screen. Sample time @ 12:55. Well drawing down.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/3/2012

Field Personnel E. Laity

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60197162

Well ID # MW-13S

 Upgradient Downgradient

Weather Conditions sunny

Air Temperature 45 ° F

Total Depth (TWD) Below Top of Casing = 16.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 7.4 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 4 liter

Casing Diameter 1 inches

Casing Material PVC

Measuring Point Elevation 1/100 ft

Height of Riser (above land surface) 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 8.5-16.5 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	150	150	150	150	150	150	
Time (Military)	9:35	9:40	9:45	9:50	9:55	10:00	10:05
Depth to Groundwater Below Top of Casing (ft)	8.75	9.05	9.25	9.5	9.9	10.3	10.55
Drawdown (ft)	-1.35	-0.3	-0.2	-0.25	-0.4	-0.4	-0.25
pH (S.U.)	8.93	8.05	7.72	7.47	7.26	7.08	7
Sp. Cond. (mS/cm)	2.715	2.138	2.166	2.169	2.213	2.223	2.213
Turbidity (NTUs)	1,324	129	27.5	17.3	11.4	11.65	11.8
Dissolved Oxygen (mg/L)	4.22	1.53	0.44	0.18	0.05	0.02	0
Water Temperature (°C)	9.6	9.6	9.3	9.2	9.5	9.6	9.7
ORP (mV)	-95.2	-69.2	-97.2	-112.6	-123.4	-125.9	-124.5

Physical appearance at start Color tan cloudy

Odor no

Physical appearance at sampling Color clear

Odor no

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Start purging @ 9:30. Set tubing at center of well screen. Sample time @ 10:10.

Date (mo/day/yr) _____	4/3/2012	
Field Personnel _____	E. Laity	
Site Name _____	Former Scott Aviation Site - Lancaster, NY	
Job # _____	60197162	
Well ID # _____	MW-13D	
_____ Upgradient	_____ Downgradient	
Weather Conditions _____	sunny	
Air Temperature _____	45	° F
Total Depth (TWD) Below Top of Casing = _____	23.5	1/100 ft
Depth to Groundwater (DGW) Below Top of Casing = _____	11.95	1/100 ft
Length of Water Column (LWC) = TWD - DGW = _____		1/100 ft
1 Casing Volume (OCV) = LWC x _____	0.163	= _____ gal
3 Casing Volumes = _____		gal
Method of Well Evacuation _____	Peristaltic Pump	
Method of Sample Collection _____	Peristaltic Pump/Poly Tubing	
Total Volume of Water Removed _____	4	liter

Casing Diameter _____	1	inches
Casing Material _____	PVC	
Measuring Point Elevation _____		1/100 ft
Height of Riser (above land surface) _____		1/100 ft
Land Surface Elevation _____		1/100 ft
Screened Interval (below land surface) _____	19.5-23.5	1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES							
Flow Rate (ml/min)	110	110	110	110			
Time (Military)	10:20	10:25	10:30	10:35			
Depth to Groundwater Below Top of Casing (ft)	13.3	14.25	14.8	15.75			
Drawdown (ft)	-1.35	-0.95	-0.55	-0.95			
pH (S.U.)	7.63	7.59	7.58	7.56			
Sp. Cond. (mS/cm)	1.211	1.076	1.054	1.049			
Turbidity (NTUs)	11.65	5.39	2.6	2.32			
Dissolved Oxygen (mg/L)	3.27	1.45	1.03	0.73			
Water Temperature (°C)	11.5	11.6	11.5	11.4			
ORP (mV)	-155.3	-139.2	-141.8	-144.6			

Physical appearance at start	Color	clear	Physical appearance at sampling	Color	clear
	Odor	no		Odor	no
Sheen/Free Product	no		Sheen/Free Product	no	

COMMENTS/OBSERVATIONS Start purging @ 10:15. Set tubing at center of well screen. Sample time @ 10:40. Well drawing down.

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/2/2012
 Field Personnel E. Laity
 Site Name Former Scott Aviation Site - Lancaster, NY
 Job # 60197162
 Well ID # MW-14D

Casing Diameter 1 inches
 Casing Material PVC
 Measuring Point Elevation 685.84 1/100 ft
 Height of Riser (above land surface) 1/100 ft
 Land Surface Elevation 1/100 ft
 Screened Interval (below land surface) 18.5-23.5 1/100 ft

Weather Conditions sunny
 Air Temperature 50 ° F

Total Depth (TWD) Below Top of Casing = 23.5 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 16 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 3 liter

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	125	125	125	125	125		
Time (Military)	15:15	15:20	15:25	15:30	15:35		
Depth to Groundwater Below Top of Casing (ft)	17.9	18	18.51	18.81	19		
Drawdown (ft)	-1.9	-0.1	-0.51	-0.3	-0.19		
pH (S.U.)	11.03	9.04	7.97	7.48	7.25		
Sp. Cond. (mS/cm)	0.955	1.085	1.202	1.257	1.313		
Turbidity (NTUs)	38	37.6	26.3	36.5	36.8		
Dissolved Oxygen (mg/L)	4.22	1.98	1.23	0.08	0.09		
Water Temperature (°C)	11.2	11.2	11.4	11.6	11.5		
ORP (mV)	-149.9	-233.6	-158.1	-149	-138		

Physical appearance at start Color clear

Odor no

Sheen/Free Product no

Physical appearance at sampling Color clear

Odor no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Start purging @ 15:10 .Set tubing at center of well screen. Sample time @ 15:40. Well drawing down and going dry. Grab sample.

GROUNDWATER SAMPLING LOG

Date (mo/day/yr) 4/3/2012

Field Personnel E. Laity

Site Name Former Scott Aviation Site - Lancaster, NY

Job # 60197162

Well ID # MW-15S

 Upgradient Downgradient

Weather Conditions clear

Air Temperature 35 ° F

Total Depth (TWD) Below Top of Casing = 18 1/100 ft

Depth to Groundwater (DGW) Below Top of Casing = 1.85 1/100 ft

Length of Water Column (LWC) = TWD - DGW = 1/100 ft

1 Casing Volume (OCV) = LWC x 0.163 = gal

3 Casing Volumes = gal

Method of Well Evacuation Peristaltic Pump

Method of Sample Collection Peristaltic Pump/Poly Tubing

Total Volume of Water Removed 8 liter

Casing Diameter 1 inches

Casing Material PVC

Measuring Point Elevation 1/100 ft

Height of Riser (above land surface) 1/100 ft

Land Surface Elevation 1/100 ft

Screened Interval (below land surface) 12-18 1/100 ft

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	4°C	

FIELD ANALYSES

Flow Rate (ml/min)	175	175	175	175	175	175	
Time (Military)	8:30	8:35	8:40	8:45	8:50	8:55	9:00
Depth to Groundwater Below Top of Casing (ft)	2.65	3	3.25	3.4	3.5	3.6	3.65
Drawdown (ft)	-0.8	-0.35	-0.25	-0.15	-0.1	-0.1	-0.05
pH (S.U.)	10.22	12.1	12.77	12.93	13	13.02	13.05
Sp. Cond. (mS/cm)	0.982	3.568	5.468	5.83	5.865	5.829	5.798
Turbidity (NTUs)	51.9	71.5	70	74	101	90.3	75.5
Dissolved Oxygen (mg/L)	2.74	0.97	0	0	0	0	0
Water Temperature (°C)	9.8	9.9	10	10.1	10.1	10.2	10.2
ORP (mV)	-350.7	-326.7	-338.4	-340.1	-349.5	-351.8	-354.5

Physical appearance at start Color clear w/ black flecks

Odor yes

Physical appearance at sampling Color clear w/ black flecks

Odor yes

Sheen/Free Product no

Sheen/Free Product no

COMMENTS/OBSERVATIONS Start purging @ 8:25. Set tubing at center of well screen. Sample collected @ 9:05. Sample is unpreserved due to high pH.

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GROUNDWATER SAMPLING LOG

Date (mo/day/yr)	4/3/2012	Casing Diameter	1	inches
Field Personnel	E. Laity	Casing Material	PVC	
Site Name	Former Scott Aviation Site - Lancaster, NY	Measuring Point Elevation	685.84	1/100 ft
Job #	60197162	Height of Riser (above land surface)		1/100 ft
Well ID #	MW-16S	Land Surface Elevation		1/100 ft
Upgradient		Screened Interval (below land surface)	12 - 18	1/100 ft
Downgradient				
Weather Conditions	partly cloudy			
Air Temperature	45			° F
Total Depth (TWD) Below Top of Casing =	15.4' bgs			1/100 ft
Depth to Groundwater (DGW) Below Top of Casing =	5.95			1/100 ft
Length of Water Column (LWC) = TWD - DGW =				1/100 ft
1 Casing Volume (OCV) = LWC x	0.163	=		gal
3 Casing Volumes =				gal
Method of Well Evacuation	Peristaltic Pump			
Method of Sample Collection	Peristaltic Pump/Poly Tubing			
Total Volume of Water Removed	4			liter

Container	Analysis (Method)	# Bottles	Preservative	Dup - MS/MSD
VOA 40 mL glass	TCL VOCs (8260B)	3	HCL, 4°C	

FIELD ANALYSES

Flow Rate (ml/min)	90	90	90	90	90	90		
Time (Military)	12:45	12:50	12:55	13:00	13:05	13:10		
Depth to Groundwater Below Top of Casing (ft)	8.95	10.35	11.55	11.75	12.1	12.45		
Drawdown (ft)	-3	-1.4	-1.2	-0.2	-0.35	-0.35		
pH (S.U.)	6.82	6.8	6.74	6.64	6.57	6.56		
Sp. Cond. (mS/cm)	1.576	1.309	1.15	1.145	1.84	1.889		
Turbidity (NTUs)	125	143	123	120	42.9	28.5		
Dissolved Oxygen (mg/L)	3.19	1.26	1.07	0.7	0.22	0.11		
Water Temperature (°C)	10.1	9.9	10.1	10.2	10.3	10.3		
ORP (mV)	-61.8	-52.8	-48.9	-60.6	-77.5	-50.7		

Physical appearance at start Color cloudy rust colorOdor noSheen/Free Product noPhysical appearance at sampling Color cloudyOdor noSheen/Free Product noCOMMENTS/OBSERVATIONS Start purging at 12:40. Set tubing at ~14ft bgs. Sample time @ 13:10. Well drawing down. Grab sampled well.

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Appendix C

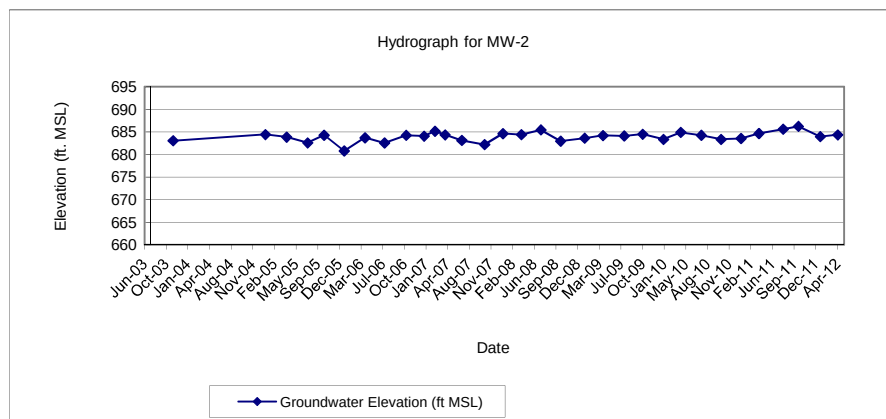
Current and Historical Summary of Groundwater Elevations

MONITORING WELL MW-2
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	7.29	683.06
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	5.92	684.43
4/14/2005	6.50	683.85
7/20/2005	7.77	682.58
10/4/2005	6.08	684.27
1/5/2006	9.56	680.79
4/11/2006	6.65	683.70
7/10/2006	7.79	682.56
10/18/2006	6.11	684.24
1/9/2007	6.27	684.08
2/28/2007	5.20	685.15
4/16/2007	5.99	684.36
7/2/2007	7.22	683.13
10/15/2007	8.15	682.20
1/8/2008	5.73	684.62
4/2/2008	5.95	684.40
7/1/2008	4.90	685.45
9/30/2008	7.40	682.95
1/19/2009	6.75	683.60
4/14/2009	6.15	684.20
7/21/2009	6.25	684.10
10/14/2009	5.85	684.50
1/18/2010	7.00	683.35
4/8/2010	5.45	684.90
7/12/2010	6.10	684.25
10/11/2010	7.00	683.35
1/11/2011	6.80	683.55
4/4/2011	5.70	684.65
7/25/2011	4.75	685.60
10/3/2011	4.13	686.22
1/12/2012	6.40	683.95
4/2/2012	6.00	684.35

NOTES:

ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 690.35
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 690.35



MONITORING WELL MW-3
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	12.76	674.96
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	11.65	676.07
4/14/2005	12.64	675.08
7/20/2005	12.73	674.99
10/4/2005	7.38	680.34
1/5/2006	11.31	676.41
4/11/2006	11.84	675.88
7/10/2006	12.31	675.41
10/18/2006	10.82	676.9
1/9/2007	10.99	676.73
2/28/2007	3.99	683.73
4/16/2007	11.87	675.85
7/2/2007	13.35	674.37
10/17/2007	13.1	674.62
1/8/2008	7.61	680.11
4/2/2008	11.71	676.01
7/1/2008	10.75	676.27
9/30/2008	11.95	675.07
1/19/2009	10.94	676.08
4/14/2009	10.94	676.08
7/21/2009	11.51	675.51
10/14/2009	10.75	676.27
1/18/2010	12.38	674.64
4/8/2010	11.02	676.00
7/12/2010	9.18	677.84
10/11/2010	10.9	676.12
1/12/2011	11.3	675.72
4/4/2011	10.7	676.32
7/25/2011	4.38	682.64
10/3/2011	3.14	683.88
1/12/2012	10.65	676.37
4/2/2012	9.81	677.21

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

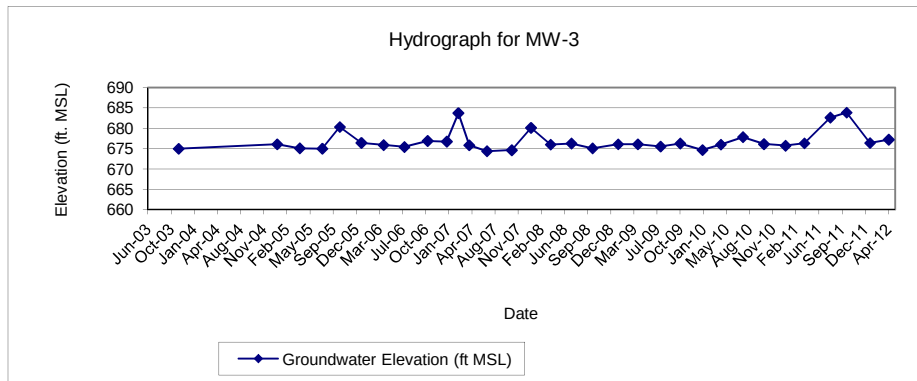
TOC - top of PVC casing

TOC Elevation - 687.72

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 687.02



MONITORING WELL MW-4
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	8.54	678.10
4/8/2004	NM	NA
10/12/2004	11.40	675.24
1/6/2005	9.20	677.44
4/14/2005	NM	NA
7/20/2005	NM	NA
10/4/2005	15.24	671.40
1/5/2006	15.71	670.93
4/11/2006	18.56	668.08
7/10/2006	15.02	671.62
10/18/2006	15.21	671.43
1/9/2007	14.00	672.64
2/28/2007	2.54	684.10
4/16/2007	12.45	674.19
7/2/2007	14.89	671.75
10/17/2007	12.91	673.73
1/8/2008	5.59	681.05
4/2/2008	9.31	677.33
7/1/2008	13.91	672.51
9/30/2008	13.55	672.87
1/19/2009	10.78	675.64
4/14/2009	8.90	677.52
7/21/2009	12.35	674.07
10/14/2009	10.40	676.02
1/18/2010	8.90	677.52
4/8/2010	10.90	675.52
7/12/2010	14.00	672.42
10/11/2010	16.69	669.73
1/12/2011	16.35	670.07
4/4/2011	17.67	668.75
7/25/2011	2.32	684.10
10/3/2011	2.98	683.44
1/12/2012	13.26	673.16
4/2/2012	13.10	673.32

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

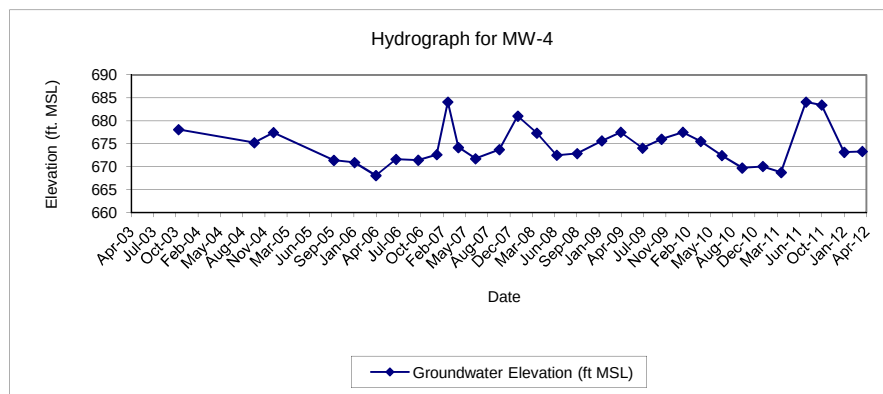
TOC - top of PVC casing

TOC Elevation - 686.64

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.42



MONITORING WELL MW-6
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	11.06	675.62
4/8/2004	NM	NA
10/12/2004	9.95	676.73
1/6/2005	13.00	673.68
4/14/2005	11.57	675.11
7/20/2005	12.88	673.80
10/4/2005	8.55	678.13
1/5/2006	12.11	674.57
4/11/2006	11.91	674.77
7/10/2006	12.5	674.18
10/18/2006	11.02	675.66
1/9/2007	11.1	675.58
2/28/2007	4.35	682.33
4/16/2007	11.81	674.87
7/2/2007	12.85	673.83
10/17/2007	13.09	673.59
1/8/2008	7.02	679.66
4/2/2008	11.00	675.68
7/1/2008	10.98	675.55
9/30/2008	11.39	675.14
1/19/2009	9.68	676.85
4/14/2009	10.02	676.51
7/21/2009	11.50	675.03
10/14/2009	10.35	676.18
1/18/2010	11.20	675.33
4/8/2010	10.05	676.48
7/12/2010	9.25	677.28
10/11/2010	9.91	676.62
1/12/2011	10.56	675.97
4/4/2011	10.27	676.26
7/25/2011	4.17	682.36
10/3/2011	3.45	683.08
1/12/2012	9.86	676.67
4/2/2012	9.39	677.14

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

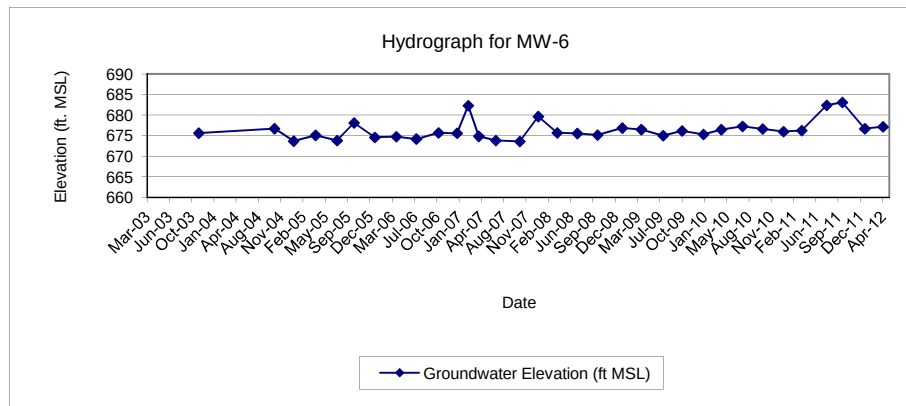
TOC - top of PVC casing

TOC Elevation - 686.68

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.53



MONITORING WELL MW-8R
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	12.75	672.92
1/6/2005	7.45	678.22
4/14/2005	14.45	671.22
7/20/2005	NM	NA
10/4/2005	NM	NA
1/6/2006	15.51	670.16
4/11/2006	15.65	670.02
7/10/2006	14.9	670.77
10/18/2006	15.72	669.95
1/9/2007	15.76	669.91
2/28/2007	10.78	674.89
4/16/2007	15.60	670.07
7/2/2007	16.29	669.38
10/15/2007	18.50	667.17
1/8/2008	4.99	680.68
4/2/2008	13.19	672.48
7/1/2008	12.15	674.06
9/30/2008	15.83	670.38
1/19/2009	11.55	674.66
4/14/2009	11.20	675.01
7/21/2009	13.57	672.64
10/14/2009	12.76	673.45
1/18/2010	11.26	674.95
4/8/2010	14.95	671.26
7/12/2010	13.74	672.47
10/11/2010	12.34	673.87
1/12/2011	13.10	673.11
4/4/2011	14.88	671.33
7/25/2011	3.25	682.96
10/3/2011	4.50	681.71
1/12/2012	12.96	673.25
4/2/2012	11.70	674.51

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

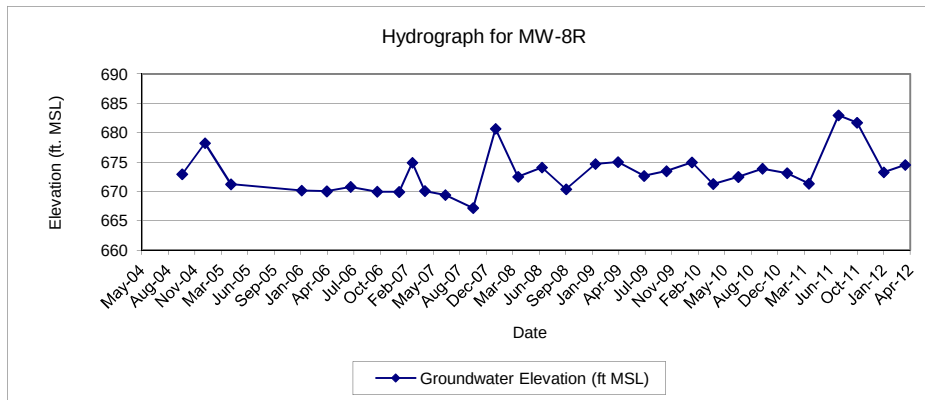
TOC - top of PVC casing

TOC Elevation - 685.67

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.21

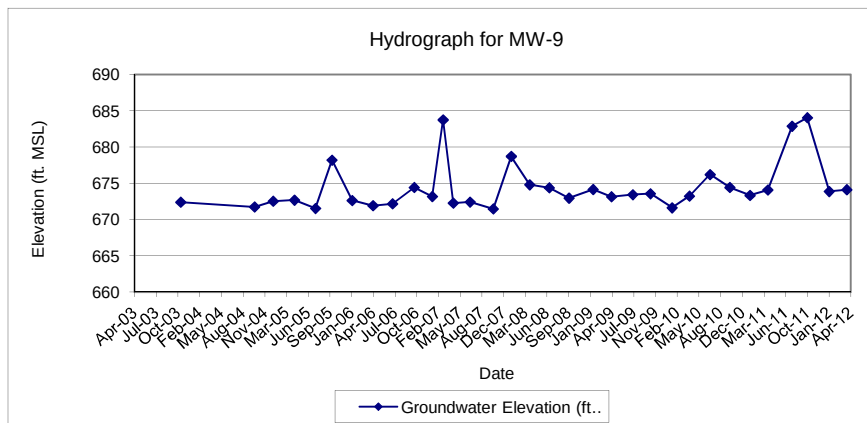


MONITORING WELL MW-9
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	13.03	672.4
4/8/2004	NM	NA
10/12/2004	13.68	671.75
1/6/2005	12.89	672.54
4/14/2005	12.74	672.69
7/20/2005	13.88	671.55
10/4/2005	7.22	678.21
1/5/2006	12.79	672.64
4/11/2006	13.50	671.93
7/10/2006	13.24	672.19
10/18/2006	11.00	674.43
1/9/2007	12.24	673.19
2/28/2007	1.66	683.77
4/16/2007	13.15	672.28
7/2/2007	13.00	672.43
10/17/2007	13.95	671.48
1/8/2008	6.70	678.73
4/2/2008	10.61	674.82
7/1/2008	14.25	674.39
9/30/2008	15.67	672.97
1/19/2009	14.48	674.16
4/14/2009	15.48	673.16
7/21/2009	15.20	673.44
10/10/2009	15.06	673.58
1/18/2010	17.00	671.64
4/8/2010	15.40	673.24
7/12/2010	12.42	676.22
10/11/2010	14.21	674.43
1/12/2011	15.29	673.35
4/4/2011	14.55	674.09
7/25/2011	5.75	682.89
10/3/2011	4.58	684.06
1/12/2012	14.75	673.89
4/2/2012	14.52	674.12

NOTES:

ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 685.43
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 688.64



MONITORING WELL MW-10
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
11/7/2003	10.75	676.97
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	10.28	677.44
4/14/2005	11.50	676.22
7/20/2005	12.43	675.29
10/4/2005	9.58	678.14
1/5/2006	11.28	676.44
4/11/2006	10.91	676.81
7/10/2006	10.90	676.82
10/18/2006	10.13	677.59
1/9/2007	10.21	677.51
2/28/2007	4.30	683.42
4/16/2007	10.93	676.79
7/2/2007	12.21	675.51
10/17/2007	13.15	674.57
1/8/2008	7.03	680.69
4/2/2008	9.91	677.81
7/1/2008	10.04	677.37
9/30/2008	11.05	676.36
1/19/2009	9.74	677.67
4/14/2009	9.14	678.27
7/21/2009	10.56	676.85
10/14/2009	9.37	678.04
1/18/2010	10.59	676.82
4/8/2010	9.35	678.06
7/12/2010	9.12	678.29
10/11/2010	10.20	677.21
1/12/2011	10.00	677.41
4/4/2011	9.61	677.80
7/25/2011	4.45	682.96
10/3/2011	4.25	683.16
1/12/2012	9.82	677.59
4/2/2012	8.51	678.90

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

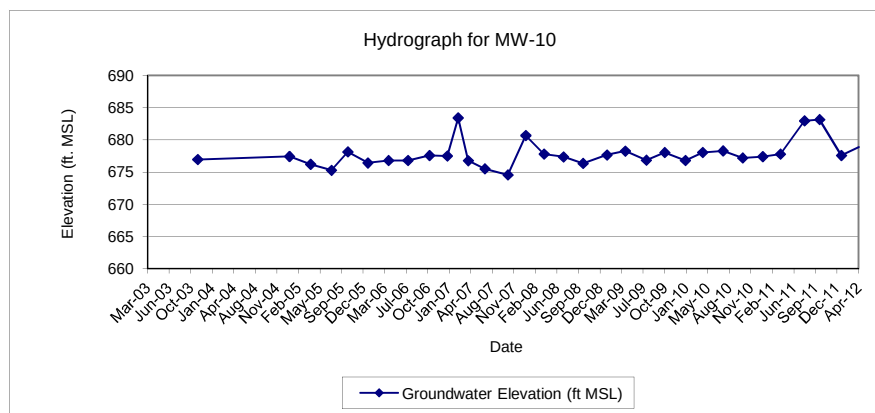
TOC - top of PVC casing

TOC Elevation - 687.72

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 687.41



MONITORING WELL MW-11
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	NA
10/12/2004	NM	NA
1/6/2005	15.59	FALSE
4/14/2005	11.59	677.02
7/20/2005	17.34	671.27
10/4/2005	10.45	678.16
1/5/2006	16.58	672.03
4/11/2006	13.52	675.09
7/10/2006	13.75	674.86
10/18/2006	14.35	674.26
1/9/2007	15.26	673.35
2/28/2007	6.34	682.27
4/16/2007	11.55	677.06
7/2/2007	17.30	671.31
10/16/2007	17.69	670.92
1/8/2008	11.73	676.88
4/2/2008	14.78	673.83
7/1/2008	13.91	674.74
9/30/2008	15.25	673.40
1/19/2009	13.45	675.20
4/14/2009	13.50	675.15
7/21/2009	14.51	674.14
10/14/2009	13.85	674.8
1/18/2010	16.38	672.27
4/8/2010	13.90	674.75
7/12/2010	12.60	676.05
10/11/2010	14.80	673.85
1/12/2011	NA	NA
4/4/2011	14.52	674.13
7/25/2011	4.48	684.17
10/3/2011	4.05	684.60
1/12/2012	8.96	679.69
4/2/2012	12.87	675.78

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

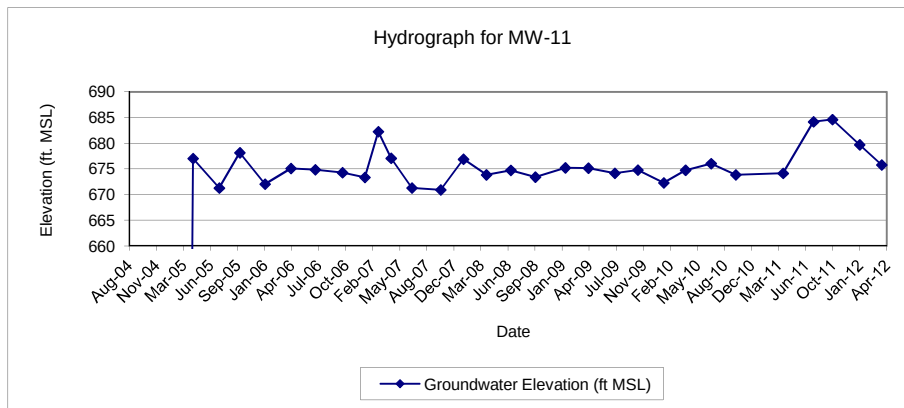
TOC - top of PVC casing

TOC Elevation - 688.61

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 688.65



MONITORING WELL MW-12
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	NM	
10/12/2004	10.64	675.15
1/6/2005	6.18	679.61
4/14/2005	6.80	678.99
7/20/2005	11.95	673.84
10/4/2005	7.36	678.43
1/5/2006	6.80	678.99
4/11/2006	6.76	679.03
7/10/2006	11.35	674.44
10/18/2006	NM*	NA
1/9/2007	6.35	679.44
2/28/2007	NM*	NA
4/16/2007	7.38	678.41
7/2/2007	11.42	674.37
10/15/2007	12.00	673.79
1/8/2008	4.31	681.48
4/2/2008	5.86	679.93
7/1/2008	7.10	679.04
9/30/2008	10.92	675.22
1/19/2009	NM*	
4/14/2009	7.14	679
7/21/2009	9.66	676.48
10/14/2009	8.83	677.31
1/18/2010	7.40	678.74
4/8/2010	7.10	679.04
7/12/2010	8.48	677.66
10/11/2010	8.64	677.51
1/12/2011	6.32	679.83
4/4/2011	5.69	680.46
7/25/2011	3.5	682.65
10/3/2011	2.67	683.48
1/12/2012	5.41	680.74
4/2/2012	5.3	680.85

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

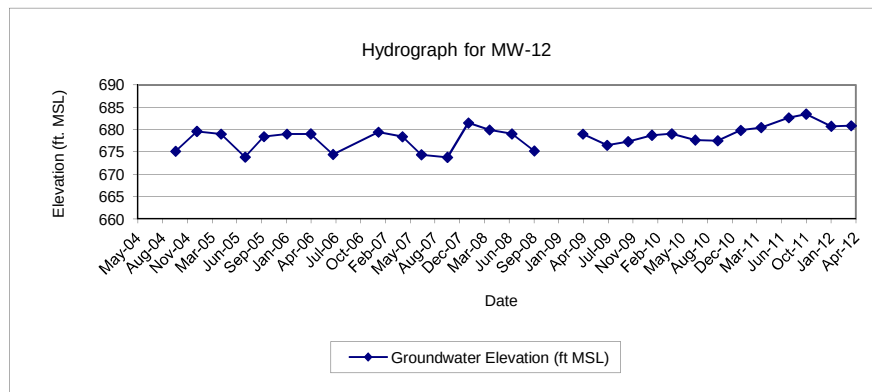
TOC Elevation - 685.79

NM* - Well could not be located due to snow cover

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.14



MONITORING WELL MW-13S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	7.01	679.56
10/12/2004	13.47	673.10
1/6/2005	7.24	679.33
4/14/2005	13.91	672.66
7/20/2005	12.81	673.76
10/4/2005	13.35	673.22
1/5/2006	13.79	672.78
4/11/2006	12.45	674.12
7/10/2006	13.02	673.55
10/18/2006	10.99	675.58
1/9/2007	11.35	675.22
2/28/2007	3.49	683.08
4/16/2007	12.01	674.56
7/2/2007	13.20	673.37
10/18/2007	12.77	673.80
1/8/2008	5.08	681.49
4/2/2008	5.45	681.12
7/1/2008	9.70	676.90
9/30/2008	11.80	674.80
1/19/2009	8.70	677.90
4/14/2009	8.64	677.96
7/21/2009	10.91	675.69
10/14/2009	9.18	677.42
1/18/2010	9.80	676.80
4/8/2010	8.30	678.30
7/12/2010	9.96	676.64
10/11/2010	10.29	676.31
1/12/2011	7.53	679.07
4/4/2011	8.00	678.60
7/25/2011	2.55	684.05
10/3/2011	1.81	684.79
1/12/2012	8.11	678.49
4/2/2012	8.06	678.54

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

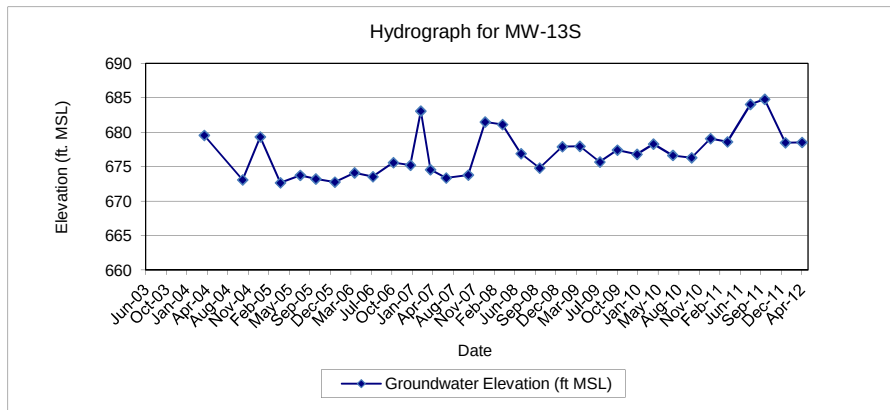
TOC - top of PVC casing

TOC Elevation - 686.57

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.60



MONITORING WELL MW-13D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.28	673.43
10/12/2004	14.87	671.84
1/6/2005	14.55	672.16
4/14/2005	15.32	671.39
7/20/2005	15.65	671.06
10/4/2005	9.44	677.27
1/5/2006	15.83	670.88
4/11/2006	15.41	671.30
7/10/2006	13.79	672.92
10/18/2006	13.17	673.54
1/9/2007	14.41	672.30
2/28/2007	3.28	683.43
4/16/2007	14.66	672.05
7/2/2007	15.68	671.03
10/18/2007	15.80	670.91
1/8/2008	8.69	678.02
4/2/2008	12.86	673.85
7/1/2008	12.55	674.18
9/30/2008	13.89	672.84
1/19/2009	12.10	674.63
4/14/2009	11.78	674.95
7/21/2009	12.86	673.87
10/14/2009	11.59	675.14
1/18/2010	13.88	672.85
4/8/2010	12.00	674.73
7/12/2010	11.90	674.83
10/11/2010	13.34	673.39
1/12/2011	13.2	673.53
4/4/2011	13.13	673.60
7/25/2011	3.33	683.40
10/3/2011	2.55	684.18
1/12/2012	12.34	674.39
4/2/2012	11.76	674.97

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

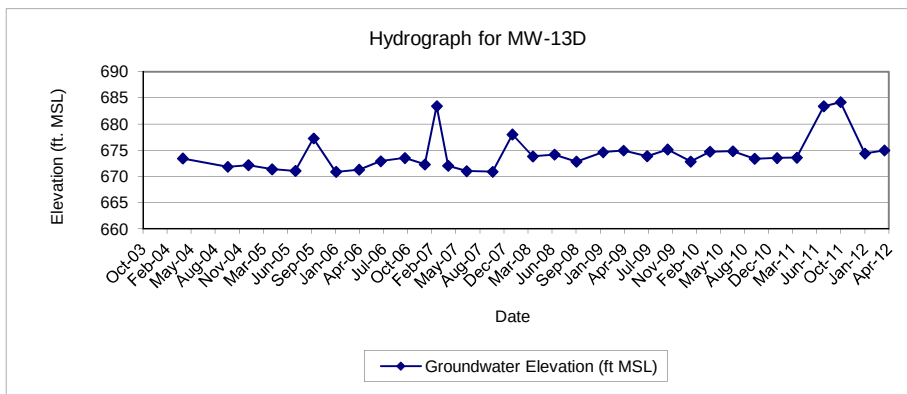
TOC - top of PVC casing

TOC Elevation - 686.71

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 686.73



MONITORING WELL MW-14S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.14	680.17
10/12/2004	8.57	676.74
1/6/2005	6.27	679.04
4/14/2005	5.16	680.15
7/20/2005	8.32	676.99
10/4/2005	6.14	679.17
1/5/2006	8.41	676.90
4/11/2006	7.75	677.56
7/10/2006	8.18	677.13
10/18/2006	9.00	676.31
1/9/2007	6.61	678.70
2/28/2007	1.50	683.81
4/16/2007	3.45	681.86
7/2/2007	8.36	676.95
10/15/2007	9.45	675.86
1/8/2008	4.65	680.66
4/2/2008	4.47	680.84
7/1/2008	6.37	679.33
9/30/2008	8.90	676.80
1/19/2009	6.15	679.55
4/14/2009	7.70	678.00
7/21/2009	7.25	678.45
10/14/2009	7.05	678.65
1/18/2010	NM	
4/8/2010	6.50	678.81
7/12/2010	6.54	678.77
10/11/2010	5.90	679.80
1/12/2011	6.83	678.87
4/4/2011	6.34	679.36
7/25/2011	2.59	683.11
10/3/2011	1.98	683.72
1/12/2012	5.10	680.60
4/2/2012	4.55	681.15

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

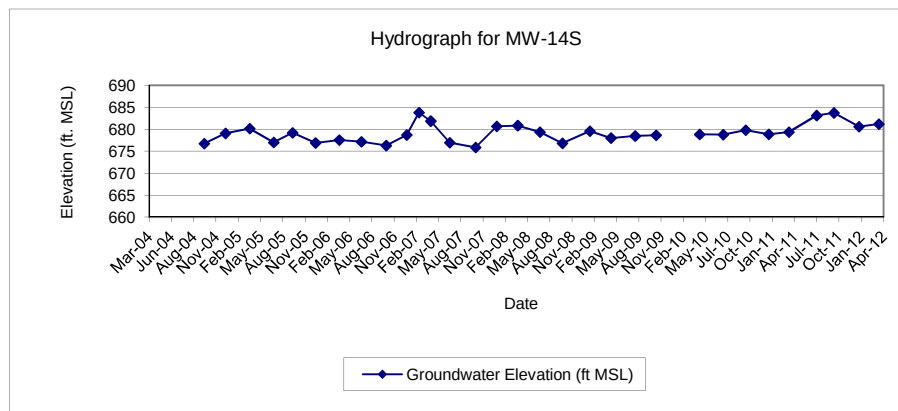
TOC - top of PVC casing

TOC Elevation - 685.31

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 685.70



MONITORING WELL MW-14D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.21	672.22
10/12/2004	14.55	670.88
1/6/2005	15.97	669.46
4/14/2005	13.25	672.18
7/20/2005	18.20	667.23
10/4/2005	13.26	672.17
1/5/2006	19.08	666.35
4/11/2006	19.79	665.64
7/10/2006	17.16	668.27
10/18/2006	19.44	665.99
1/9/2007	14.71	670.72
2/28/2007	2.67	682.76
4/16/2007	19.74	665.69
7/2/2007	19.68	665.75
10/15/2007	19.76	665.67
1/8/2008	7.92	677.51
4/2/2008	14.41	671.02
7/1/2008	14.45	671.37
9/30/2008	15.39	670.43
1/19/2009	13.55	672.27
4/14/2009	20.10	665.72
7/21/2009	15.15	670.67
10/14/2009	20.27	665.55
1/18/2010	20.40	665.42
4/8/2010	15.40	670.42
7/12/2010	17.15	668.67
10/11/2010	14.40	671.42
1/12/2011	17.92	667.90
4/4/2011	16.23	669.59
7/25/2011	3.10	682.72
10/3/2011	2.72	683.10
1/12/2012	15.30	670.52
4/2/2012	16.50	669.32

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

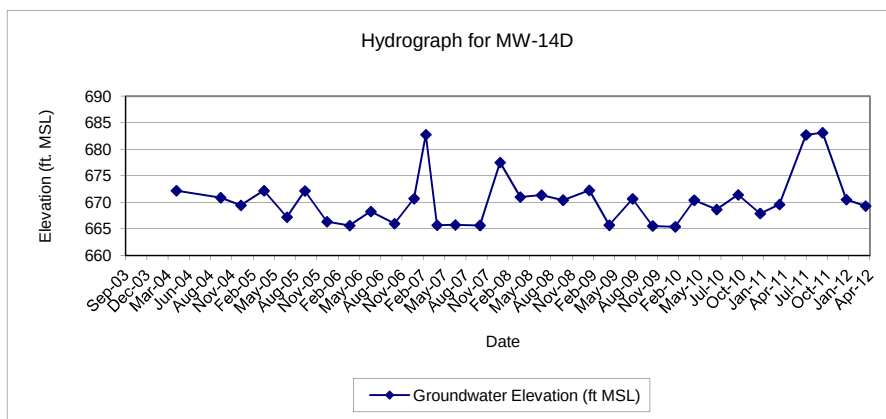
TOC - top of PVC casing

TOC Elevation - 685.43

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 685.82



MONITORING WELL MW-15S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	1.20	685.44
10/12/2004	5.26	681.38
1/6/2005	0.35	686.29
4/14/2005	2.31	684.33
7/20/2005	4.78	681.86
10/4/2005	2.22	684.42
1/5/2006	0.70	685.94
4/11/2006	2.00	684.64
7/10/2006	4.75	681.89
1/9/2007	0.05	686.59
2/28/2007	0.00	686.64
4/16/2007	0.50	686.14
7/2/2007	4.67	681.97
10/16/2007	4.80	681.84
1/8/2008	0.70	685.94
4/2/2008	0.00	686.64
7/1/2008	0.50	687.02
9/30/2008	3.14	684.38
1/19/2009	1.50	686.02
4/14/2009	1.60	685.92
7/21/2009	1.11	686.41
10/14/2009	1.11	686.41
1/18/2010	0.80	686.72
4/8/2010	2.00	685.52
7/12/2010	2.80	684.72
10/11/2010	3.14	684.38
1/12/2011	1.40	686.12
4/4/2011	0.50	687.02
7/25/2011	2.51	685.01
10/3/2011	0.20	687.32
1/12/2012	0.50	687.02
4/2/2012	1.40	686.12

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

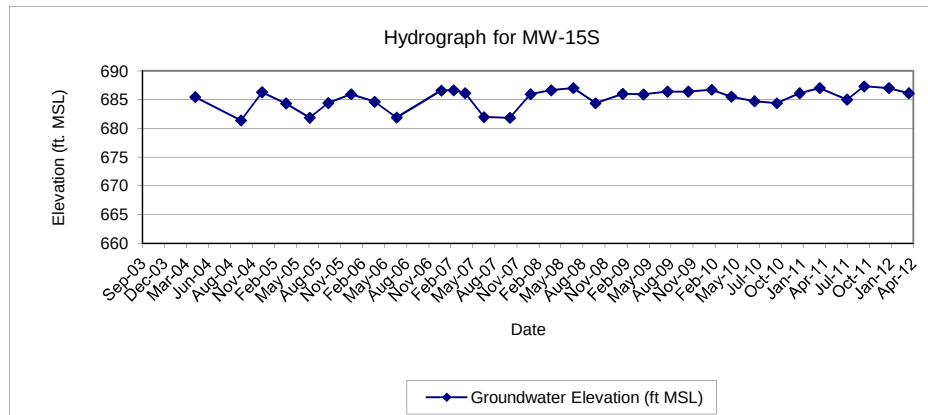
TOC - top of PVC casing

TOC Elevation - 686.64'

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 687.52'



MONITORING WELL MW-15D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	15.70	671.61
10/12/2004	17.42	669.89
1/6/2005	15.74	671.57
4/14/2005	16.99	670.32
7/20/2005	17.31	670.00
10/4/2005	8.94	678.37
1/5/2006	16.16	671.15
4/11/2006	16.90	670.41
7/10/2006	15.78	671.53
10/18/2006	15.50	671.81
1/9/2007	15.80	671.51
2/28/2007	4.10	683.21
4/16/2007	16.61	670.70
7/2/2007	17.20	670.11
10/16/2007	16.70	670.61
1/8/2008	8.99	678.32
4/2/2008	15.01	672.30
7/1/2008	14.64	672.98
9/30/2008	16.24	671.38
1/19/2009	15.00	672.62
4/14/2009	14.21	673.41
7/21/2009	14.61	673.01
10/14/2009	14.81	672.81
1/18/2010	16.89	670.73
4/8/2010	15.00	672.62
7/12/2010	13.00	674.62
10/11/2010	13.00	674.62
1/12/2011	15.65	671.97
4/4/2011	15.51	672.11
7/25/2011	3.73	683.89
10/3/2011	3.05	684.57
1/12/2012	15.50	672.12
4/2/2012	14.30	673.32

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

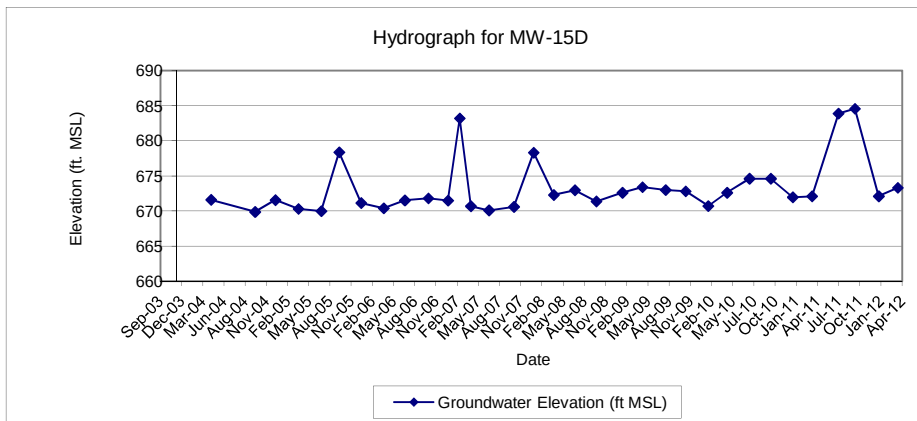
TOC - top of PVC casing

TOC Elevation - 687.31'

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 687.62'



MONITORING WELL MW-16S
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	5.09	680.75
10/12/2004	12.09	673.75
1/6/2005	4.75	681.09
4/14/2005	10.15	675.69
7/20/2005	14.56	671.28
10/4/2005	11.50	674.34
1/5/2006	11.41	674.43
4/11/2006	12.90	672.94
7/10/2006	11.54	674.30
10/18/2006	12.50	673.34
1/9/2007	13.82	672.02
2/28/2007	2.90	682.94
4/16/2007	13.07	672.77
7/2/2007	12.50	673.34
10/18/2007	15.23	670.61
1/8/2008	5.60	680.24
4/2/2008	12.40	673.44
7/1/2008	15.70	674.67
9/30/2008	19.34	671.03
1/19/2009	17.80	672.57
4/14/2009	18.22	672.15
7/21/2009	19.95	670.42
10/14/2009	17.77	672.60
1/18/2010	16.45	673.92
4/8/2010	18.60	671.77
7/12/2010	18.45	671.92
10/11/2010	13.51	676.86
1/12/2011	NA	NA
4/7/2011	8.55	677.29
7/25/2011	1.45	684.39
10/3/2011	0.60	685.24
1/12/2012	3.80	682.04
4/2/2012	5.85	679.99

NOTES:

ft MSL - feet mean sea level

NA - Not Available

NM - Not Measured

TOC - top of PVC casing

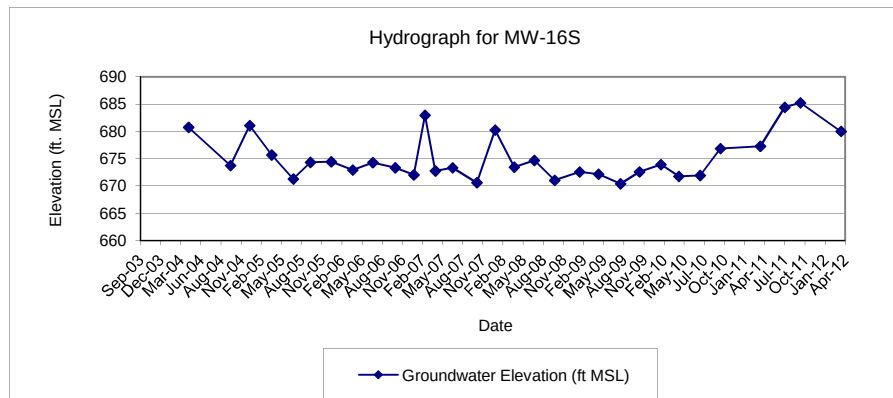
TOC Elevation - 685.84'

DPE and GWCT down on 2/28/07

DPE down on 1/8/08

TOC Elevation as of 6/13/08 - 690.37'

TOC Elevation as of 4/7/2011 - 685.84'

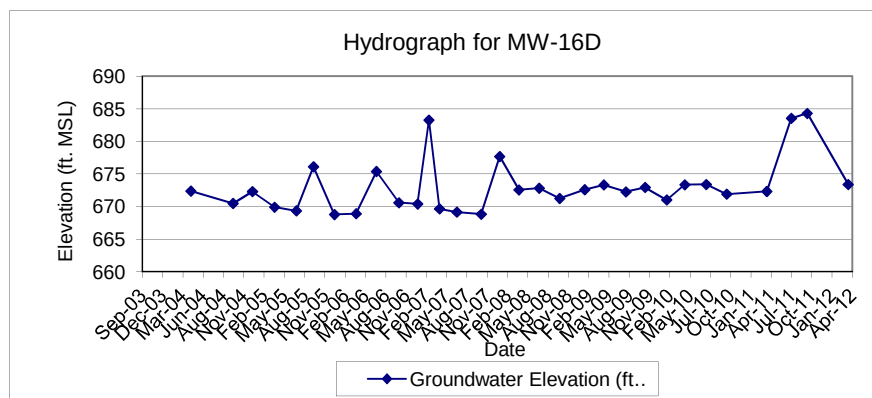


MONITORING WELL MW-16D
SUMMARY OF GROUNDWATER ELEVATIONS
Former Scott Aviation Site
Lancaster, New York

Date	Depth to Water from TOC (ft)	Groundwater Elevation (ft MSL)
4/8/2004	13.62	672.39
10/12/2004	15.51	670.50
1/6/2005	13.70	672.31
4/14/2005	16.09	669.92
7/20/2005	16.65	669.36
10/4/2005	9.89	676.12
1/5/2006	17.21	668.80
4/11/2006	17.1	668.91
7/10/2006	10.61	675.4
10/18/2006	15.41	670.6
1/9/2007	15.6	670.41
2/28/2007	2.74	683.27
4/16/2007	16.35	669.66
7/2/2007	16.85	669.16
10/18/2007	17.17	668.84
1/8/2008	8.32	677.69
4/2/2008	13.44	672.57
7/1/2008	17.72	672.83
9/30/2008	19.29	671.26
1/19/2009	17.95	672.60
4/14/2009	17.21	673.34
7/21/2009	18.28	672.27
10/14/2009	17.60	672.95
1/18/2010	19.51	671.04
4/8/2010	17.19	673.36
7/12/2010	17.15	673.40
10/11/2010	18.63	671.92
1/12/2011	NA	NA
4/7/2011	13.67	672.34
7/25/2011	2.46	683.55
10/3/2011	1.70	684.31
1/12/2012	13.55	672.46
4/2/2012	12.61	673.40

NOTES:

ft MSL - feet mean sea level
NA - Not Available
NM - Not Measured
TOC - top of PVC casing
TOC Elevation - 686.01'
DPE and GWCT down on 2/28/07
DPE down on 1/8/08
TOC Elevation as of 6/13/08 - 690.55'
TOC Elevation as of 4/7/2011 - 686.01'



Appendix D

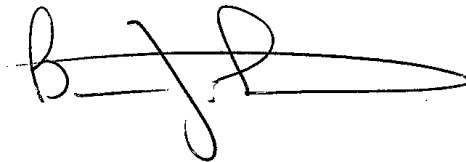
Analytical Laboratory Data Packages

(Provided on CD)

ANALYTICAL REPORT

Job Number: 480-18001-1
Job Description: Scott Aviation site
Sampling Event: Groundwater analysis

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, NY 14226
Attention: Mr. Dino Zack



Approved for release.
Brian Fischer
Project Manager II
4/17/2012 10:21 AM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
04/17/2012

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Job Narrative
480-18001-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: (480-18001-4 MS), (480-18001-4 MSD), MW-8R (480-18001-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following sample(s) was diluted due to the abundance of target analytes: MW-16S (480-18001-18), MW-4 (480-18001-11). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: (480-18001-16 MS), (480-18001-16 MSD), MW-13S DL (480-18001-8 DL), MW-15D (480-18001-17), MW-15S DL (480-18001-16 DL), MW-16D DL (480-18001-19 DL). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 58433 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: (480-18001-9 MS), (480-18001-9 MSD), Duplicate DL (480-18001-9 DL). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following samples were diluted due to the abundance of target analytes: MW-16S DL (480-18001-18 DL), MW-4 DL (480-18001-11 DL). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following compound was outside control limits in the continuing calibration verification (CCV) associated with batch 58561: Dichlorodifluoromethane. This compound is not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for six analytes to be outside limits; therefore, the data have been reported.

Method(s) 8260B: 1,1-Dichloroethane, 1,1-Dichloroethene, trans-1,2-Dichloroethene and Vinyl chloride were detected in the sample MW-13S (480-18001-8) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, these analytes were diluted out in the dilution of this sample. Therefore, the value being reported is from the original analysis and is qualified with an E flag.

Method(s) 8260B: 1,1-Dichloroethene and trans-1,2-Dichloroethene were detected in the sample Duplicate (480-18001-9) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, these analytes were diluted out in the dilution of this sample. Therefore, the value being reported is from the original analysis and is qualified with an E flag.

No other analytical or quality issues were noted.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973S Analysis Batch Number: 56067Lab Sample ID: STD 480-56067/3 IC Client Sample ID: _____Date Analyzed: 03/21/12 00:06 Lab File ID: S12028.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	2.48	Split Peak	coderd	03/21/12 09:57

Lab Sample ID: STD 480-56067/5 IC Client Sample ID: _____Date Analyzed: 03/21/12 00:49 Lab File ID: S12030.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	1.88	Split Peak	coderd	03/21/12 09:58

Lab Sample ID: STD 480-56067/7 IC Client Sample ID: _____Date Analyzed: 03/21/12 01:33 Lab File ID: S12032.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	1.79	Split Peak	coderd	03/21/12 09:59

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973S Analysis Batch Number: 58178Lab Sample ID: 480-18001-8 Client Sample ID: MW-13SDate Analyzed: 04/05/12 06:43 Lab File ID: S12661.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Trichloroethene	5.08	Peak Tail	coderd	04/05/12 10:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973S Analysis Batch Number: 58271Lab Sample ID: 480-18001-9 Client Sample ID: DuplicateDate Analyzed: 04/05/12 14:44 Lab File ID: S12676.D GC Column: ZB-624 (60) ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
cis-1,2-Dichloroethene	3.94	Assign Peak	coderd	04/06/12 08:37
Trichloroethene	5.10	Assign Peak	coderd	04/06/12 08:39

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-18001-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-18001-1	MW-2	Ground Water	04/02/2012 0930	04/03/2012 1515
480-18001-2	MW-3	Ground Water	04/02/2012 1120	04/03/2012 1515
480-18001-3	MW-6	Ground Water	04/02/2012 1340	04/03/2012 1515
480-18001-4	MW-8R	Ground Water	04/03/2012 1215	04/03/2012 1515
480-18001-5	MW-10	Ground Water	04/02/2012 1415	04/03/2012 1515
480-18001-6	MW-11	Ground Water	04/02/2012 1025	04/03/2012 1515
480-18001-7	MW-12	Ground Water	04/02/2012 1255	04/03/2012 1515
480-18001-8	MW-13S	Ground Water	04/03/2012 1010	04/03/2012 1515
480-18001-9FD	Duplicate	Water	04/03/2012 0800	04/03/2012 1515
480-18001-10RB	Rinse Blank	Water	04/02/2012 1645	04/03/2012 1515
480-18001-11	MW-4	Ground Water	04/03/2012 1130	04/03/2012 1515
480-18001-12	MW-9	Ground Water	04/02/2012 1215	04/03/2012 1515
480-18001-13	MW-13D	Ground Water	04/03/2012 1040	04/03/2012 1515
480-18001-14	MW-14S	Ground Water	04/02/2012 1500	04/03/2012 1515
480-18001-15	MW-14D	Ground Water	04/02/2012 1540	04/03/2012 1515
480-18001-16	MW-15S	Ground Water	04/03/2012 0905	04/03/2012 1515
480-18001-17	MW-15D	Ground Water	04/02/2012 1625	04/03/2012 1515
480-18001-18	MW-16S	Ground Water	04/03/2012 1310	04/03/2012 1515
480-18001-19	MW-16D	Ground Water	04/03/2012 1355	04/03/2012 1515
480-18001-20TB	Trip Blank	Water	04/02/2012 0000	04/03/2012 1515

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-18001-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18001-1 Chloroethane	MW-2	5.8		1.0	ug/L	8260B
480-18001-2 1,1-Dichloroethane	MW-3	7.9		1.0	ug/L	8260B
480-18001-4 cis-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-8R	54000 99000 2600		2000 2000 2000	ug/L ug/L ug/L	8260B 8260B 8260B
480-18001-6 1,1,1-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethene Chloroethane cis-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-11	1.2 9.8 1.0 9.1 39 0.51 17		1.0 1.0 1.0 1.0 1.0 1.0 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B 8260B
480-18001-7 1,2-Dichloroethane Benzene Chloroethane	MW-12	0.41 1.5 17	J	1.0 1.0 1.0	ug/L ug/L ug/L	8260B 8260B 8260B
480-18001-8 1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Benzene Chloroethane cis-1,2-Dichloroethene Methylene Chloride Toluene trans-1,2-Dichloroethene Trichloroethene Vinyl chloride	MW-13S	110 180 0.52 0.74 3.7 21000 0.57 1.9 230 39000 320	E E J J J E E	1.0 1.0 1.0 1.0 1.0 500 1.0 1.0 1.0 500 1.0	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B 8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-18001-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18001-9FD	DUPLICATE					
1,1,2,2-Tetrachloroethane		14		1.0	ug/L	8260B
1,1,2-Trichloroethane		11		1.0	ug/L	8260B
1,1-Dichloroethane		1900	J	2500	ug/L	8260B
1,1-Dichloroethene		1100	E	1.0	ug/L	8260B
1,2-Dichloroethane		9.9		1.0	ug/L	8260B
Acetone		11		10	ug/L	8260B
Benzene		9.8		1.0	ug/L	8260B
Carbon disulfide		21		1.0	ug/L	8260B
Chloroethane		83		1.0	ug/L	8260B
Chloroform		1.3		1.0	ug/L	8260B
Chloromethane		0.60	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		130000		2500	ug/L	8260B
Methylene Chloride		3.7		1.0	ug/L	8260B
Tetrachloroethene		1.8		1.0	ug/L	8260B
Toluene		70		1.0	ug/L	8260B
trans-1,2-Dichloroethene		1500	E	1.0	ug/L	8260B
Trichloroethene		40000		2500	ug/L	8260B
Vinyl chloride		8600		2500	ug/L	8260B
Xylenes, Total		0.86	J	2.0	ug/L	8260B
480-18001-10RB	RINSE BLANK					
Methylene Chloride		0.56	J	1.0	ug/L	8260B
480-18001-11	MW-4					
1,1-Dichloroethane		2000		200	ug/L	8260B
1,1-Dichloroethene		770		200	ug/L	8260B
cis-1,2-Dichloroethene		120000		2000	ug/L	8260B
trans-1,2-Dichloroethene		790		200	ug/L	8260B
Trichloroethene		39000		2000	ug/L	8260B
Vinyl chloride		9400		200	ug/L	8260B
480-18001-12	MW-9					
1,1-Dichloroethane		90		1.0	ug/L	8260B
1,2-Dichloroethane		1.7		1.0	ug/L	8260B
Chloroethane		1.5		1.0	ug/L	8260B
cis-1,2-Dichloroethene		19		1.0	ug/L	8260B
Vinyl chloride		1.8		1.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-18001-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18001-13	MW-13D					
cis-1,2-Dichloroethene		89		1.0	ug/L	8260B
Trichloroethene		62		1.0	ug/L	8260B
Vinyl chloride		2.3		1.0	ug/L	8260B
480-18001-14	MW-14S					
1,1-Dichloroethane		27		1.0	ug/L	8260B
1,2-Dichloroethane		0.97	J	1.0	ug/L	8260B
Benzene		1.4		1.0	ug/L	8260B
Chloroethane		11		1.0	ug/L	8260B
cis-1,2-Dichloroethene		30		1.0	ug/L	8260B
trans-1,2-Dichloroethene		0.90	J	1.0	ug/L	8260B
Trichloroethene		1.3		1.0	ug/L	8260B
Vinyl chloride		21		1.0	ug/L	8260B
480-18001-15	MW-14D					
1,1-Dichloroethane		0.44	J	1.0	ug/L	8260B
cis-1,2-Dichloroethene		13		1.0	ug/L	8260B
Trichloroethene		0.64	J	1.0	ug/L	8260B
Vinyl chloride		9.9		1.0	ug/L	8260B
480-18001-16	MW-15S					
1,1-Dichloroethane		1100		20	ug/L	8260B
1,1-Dichloroethene		26		1.0	ug/L	8260B
1,2-Dichloroethane		1.3		1.0	ug/L	8260B
2-Butanone (MEK)		590		200	ug/L	8260B
2-Hexanone		21		5.0	ug/L	8260B
4-Methyl-2-pentanone (MIBK)		46		5.0	ug/L	8260B
Acetone		2600		200	ug/L	8260B
Benzene		4.2		1.0	ug/L	8260B
Chloroethane		360		20	ug/L	8260B
cis-1,2-Dichloroethene		1400		20	ug/L	8260B
Cyclohexane		0.74	J	1.0	ug/L	8260B
Ethylbenzene		8.8		1.0	ug/L	8260B
Methylcyclohexane		0.58	J	1.0	ug/L	8260B
Methylene Chloride		3.5		1.0	ug/L	8260B
Tetrachloroethene		0.81	J	1.0	ug/L	8260B
Toluene		200		20	ug/L	8260B
trans-1,2-Dichloroethene		7.8		1.0	ug/L	8260B
Trichloroethene		240		20	ug/L	8260B
Vinyl chloride		540		20	ug/L	8260B
Xylenes, Total		48		2.0	ug/L	8260B

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-18001-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18001-17 Chloroethane	MW-15D	900		10	ug/L	8260B
480-18001-18 1,1,1-Trichloroethane	MW-16S	4900		400	ug/L	8260B
1,1-Dichloroethane		1700		400	ug/L	8260B
1,1-Dichloroethene		840		400	ug/L	8260B
Chloroethane		960		400	ug/L	8260B
cis-1,2-Dichloroethene		84000		4000	ug/L	8260B
Toluene		460		400	ug/L	8260B
Trichloroethene		250000		4000	ug/L	8260B
Vinyl chloride		8400		400	ug/L	8260B
480-18001-19 1,1,2,2-Tetrachloroethane	MW-16D	0.58	J	1.0	ug/L	8260B
1,1,2-Trichloroethane		0.65	J	1.0	ug/L	8260B
1,1-Dichloroethane		35		1.0	ug/L	8260B
1,2-Dichloroethane		0.99	J	1.0	ug/L	8260B
Chloroethane		110		2.0	ug/L	8260B
cis-1,2-Dichloroethene		66		1.0	ug/L	8260B
Methylene Chloride		0.63	J	1.0	ug/L	8260B
trans-1,2-Dichloroethene		3.4		1.0	ug/L	8260B
Trichloroethene		42		1.0	ug/L	8260B
Vinyl chloride		46		1.0	ug/L	8260B

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-18001-1

Description	Lab Location	Method	Preparation Method
Matrix Ground Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL BUF	SW846 8260B	
Purge and Trap	TAL BUF		SW846 5030B

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 480-18001-1

Method	Analyst	Analyst ID
SW846 8260B	Coder, David	DC
SW846 8260B	Larson, Renee	RL

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-2

Lab Sample ID: 480-18001-1

Date Sampled: 04/02/2012 0930

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12654.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0414			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0414				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	5.8		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-2

Lab Sample ID: 480-18001-1

Date Sampled: 04/02/2012 0930

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12654.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0414			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0414				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-3

Lab Sample ID: 480-18001-2

Date Sampled: 04/02/2012 1120

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12655.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0436			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0436				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	7.9		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-3

Lab Sample ID: 480-18001-2

Date Sampled: 04/02/2012 1120

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12655.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0436			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0436				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	111		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-6

Lab Sample ID: 480-18001-3

Date Sampled: 04/02/2012 1340

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12656.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0457			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0457				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-6

Lab Sample ID: 480-18001-3

Date Sampled: 04/02/2012 1340

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12656.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0457			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0457				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	121		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-8R

Lab Sample ID: 480-18001-4

Date Sampled: 04/03/2012 1215

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12657.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0518			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1600	2000
1,1,2,2-Tetrachloroethane	ND		420	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		620	2000
1,1,2-Trichloroethane	ND		460	2000
1,1-Dichloroethane	ND		760	2000
1,1-Dichloroethene	ND		580	2000
1,2,4-Trichlorobenzene	ND		820	2000
1,2-Dibromo-3-Chloropropane	ND		780	2000
1,2-Dibromoethane	ND		1500	2000
1,2-Dichlorobenzene	ND		1600	2000
1,2-Dichloroethane	ND		420	2000
1,2-Dichloropropane	ND		1400	2000
1,3-Dichlorobenzene	ND		1600	2000
1,4-Dichlorobenzene	ND		1700	2000
2-Butanone (MEK)	ND		2600	20000
2-Hexanone	ND		2500	10000
4-Methyl-2-pentanone (MIBK)	ND		4200	10000
Acetone	ND		6000	20000
Benzene	ND		820	2000
Bromodichloromethane	ND		780	2000
Bromoform	ND		520	2000
Bromomethane	ND		1400	2000
Carbon disulfide	ND		380	2000
Carbon tetrachloride	ND		540	2000
Chlorobenzene	ND		1500	2000
Chloroethane	ND		640	2000
Chloroform	ND		680	2000
Chloromethane	ND		700	2000
cis-1,2-Dichloroethene	54000		1600	2000
cis-1,3-Dichloropropene	ND		720	2000
Cyclohexane	ND		360	2000
Dibromochloromethane	ND		640	2000
Dichlorodifluoromethane	ND		1400	2000
Ethylbenzene	ND		1500	2000
Isopropylbenzene	ND		1600	2000
Methyl acetate	ND		1000	2000
Methyl tert-butyl ether	ND		320	2000
Methylcyclohexane	ND		320	2000
Methylene Chloride	ND		880	2000
Styrene	ND		1500	2000
Tetrachloroethene	ND		720	2000
Toluene	ND		1000	2000
trans-1,2-Dichloroethene	ND		1800	2000
trans-1,3-Dichloropropene	ND		740	2000
Trichloroethene	99000		920	2000
Trichlorofluoromethane	ND		1800	2000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-8R

Lab Sample ID: 480-18001-4

Date Sampled: 04/03/2012 1215

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12657.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0518			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0518				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2600		1800	2000
Xylenes, Total	ND		1300	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	123		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-10

Lab Sample ID: 480-18001-5

Date Sampled: 04/02/2012 1415

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12658.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0540			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0540				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-10

Lab Sample ID: 480-18001-5

Date Sampled: 04/02/2012 1415

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12658.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0540			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0540				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-11

Lab Sample ID: 480-18001-6

Date Sampled: 04/02/2012 1025

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12659.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0601			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.2		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	9.8		0.38	1.0
1,1-Dichloroethene	1.0		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	9.1		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	39		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	0.51	J	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-11

Lab Sample ID: 480-18001-6

Date Sampled: 04/02/2012 1025

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12659.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0601			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0601				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	17		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	120		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-12

Lab Sample ID: 480-18001-7

Date Sampled: 04/02/2012 1255

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12660.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0622			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0622				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	0.41	J	0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	1.5		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	17		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-12

Lab Sample ID: 480-18001-7

Date Sampled: 04/02/2012 1255

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12660.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0622			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0622				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	121		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-13S

Lab Sample ID: 480-18001-8

Client Matrix: Ground Water

Date Sampled: 04/03/2012 1010

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12661.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0643			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0643				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	110	E	0.38	1.0
1,1-Dichloroethene	180	E	0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	0.52	J	0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	0.74	J	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	3.7		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	7500	E	0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	0.57	J	0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	1.9		0.51	1.0
trans-1,2-Dichloroethene	230	E	0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	4800	E	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-13S

Lab Sample ID: 480-18001-8

Date Sampled: 04/03/2012 1010

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12661.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0643			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0643				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	320	E	0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	119		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-13S

Lab Sample ID: 480-18001-8

Date Sampled: 04/03/2012 1010

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12713.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1244	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1244				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		410	500
1,1,2,2-Tetrachloroethane	ND		110	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		160	500
1,1,2-Trichloroethane	ND		120	500
1,1-Dichloroethane	ND		190	500
1,1-Dichloroethene	ND		150	500
1,2,4-Trichlorobenzene	ND		210	500
1,2-Dibromo-3-Chloropropane	ND		200	500
1,2-Dibromoethane	ND		370	500
1,2-Dichlorobenzene	ND		400	500
1,2-Dichloroethane	ND		110	500
1,2-Dichloropropane	ND		360	500
1,3-Dichlorobenzene	ND		390	500
1,4-Dichlorobenzene	ND		420	500
2-Butanone (MEK)	ND		660	5000
2-Hexanone	ND		620	2500
4-Methyl-2-pentanone (MIBK)	ND		1100	2500
Acetone	ND		1500	5000
Benzene	ND		210	500
Bromodichloromethane	ND		200	500
Bromoform	ND		130	500
Bromomethane	ND		350	500
Carbon disulfide	ND		95	500
Carbon tetrachloride	ND		140	500
Chlorobenzene	ND		380	500
Chloroethane	ND		160	500
Chloroform	ND		170	500
Chloromethane	ND		180	500
cis-1,2-Dichloroethene	21000		410	500
cis-1,3-Dichloropropene	ND		180	500
Cyclohexane	ND		90	500
Dibromochloromethane	ND		160	500
Dichlorodifluoromethane	ND		340	500
Ethylbenzene	ND		370	500
Isopropylbenzene	ND		400	500
Methyl acetate	ND		250	500
Methyl tert-butyl ether	ND		80	500
Methylcyclohexane	ND		80	500
Methylene Chloride	ND		220	500
Styrene	ND		370	500
Tetrachloroethene	ND		180	500
Toluene	ND		260	500
trans-1,2-Dichloroethene	ND		450	500
trans-1,3-Dichloropropene	ND		190	500
Trichloroethene	39000		230	500
Trichlorofluoromethane	ND		440	500

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-13S

Lab Sample ID: 480-18001-8

Date Sampled: 04/03/2012 1010

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12713.D
Dilution:	500			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1244	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1244				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		450	500
Xylenes, Total	ND		330	1000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	109		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Duplicate

Lab Sample ID: 480-18001-9FD

Client Matrix: Water

Date Sampled: 04/03/2012 0800

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12676.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1444			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1444				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	14		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	11		0.23	1.0
1,1-Dichloroethane	2400	E	0.38	1.0
1,1-Dichloroethene	1100	E	0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	9.9		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	11		3.0	10
Benzene	9.8		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	21		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	83		0.32	1.0
Chloroform	1.3		0.34	1.0
Chloromethane	0.60	J	0.35	1.0
cis-1,2-Dichloroethene	19000	E	0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	3.7		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	1.8		0.36	1.0
Toluene	70		0.51	1.0
trans-1,2-Dichloroethene	1500	E	0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	5900	E	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Duplicate

Lab Sample ID: 480-18001-9FD

Date Sampled: 04/03/2012 0800

Client Matrix: Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12676.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1444			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1444				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	6500	E	0.90	1.0
Xylenes, Total	0.86	J	0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	112		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Duplicate

Lab Sample ID: 480-18001-9FD

Client Matrix: Water

Date Sampled: 04/03/2012 0800

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58561	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12741.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 2329	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 2329				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		2100	2500
1,1,2,2-Tetrachloroethane	ND		530	2500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		780	2500
1,1,2-Trichloroethane	ND		580	2500
1,1-Dichloroethane	1900	J	950	2500
1,1-Dichloroethene	ND		730	2500
1,2,4-Trichlorobenzene	ND		1000	2500
1,2-Dibromo-3-Chloropropane	ND		980	2500
1,2-Dibromoethane	ND		1800	2500
1,2-Dichlorobenzene	ND		2000	2500
1,2-Dichloroethane	ND		530	2500
1,2-Dichloropropane	ND		1800	2500
1,3-Dichlorobenzene	ND		2000	2500
1,4-Dichlorobenzene	ND		2100	2500
2-Butanone (MEK)	ND		3300	25000
2-Hexanone	ND		3100	13000
4-Methyl-2-pentanone (MIBK)	ND		5300	13000
Acetone	ND		7500	25000
Benzene	ND		1000	2500
Bromodichloromethane	ND		980	2500
Bromoform	ND		650	2500
Bromomethane	ND		1700	2500
Carbon disulfide	ND		480	2500
Carbon tetrachloride	ND		680	2500
Chlorobenzene	ND		1900	2500
Chloroethane	ND		800	2500
Chloroform	ND		850	2500
Chloromethane	ND		880	2500
cis-1,2-Dichloroethene	130000		2000	2500
cis-1,3-Dichloropropene	ND		900	2500
Cyclohexane	ND		450	2500
Dibromochloromethane	ND		800	2500
Dichlorodifluoromethane	ND		1700	2500
Ethylbenzene	ND		1900	2500
Isopropylbenzene	ND		2000	2500
Methyl acetate	ND		1300	2500
Methyl tert-butyl ether	ND		400	2500
Methylcyclohexane	ND		400	2500
Methylene Chloride	ND		1100	2500
Styrene	ND		1800	2500
Tetrachloroethene	ND		900	2500
Toluene	ND		1300	2500
trans-1,2-Dichloroethene	ND		2300	2500
trans-1,3-Dichloropropene	ND		930	2500
Trichloroethene	40000		1200	2500
Trichlorofluoromethane	ND		2200	2500

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Duplicate

Lab Sample ID: 480-18001-9FD

Date Sampled: 04/03/2012 0800

Client Matrix: Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58561	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12741.D
Dilution:	2500			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 2329	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 2329				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	8600		2300	2500
Xylenes, Total	ND		1700	5000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	109		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-18001-10RB

Client Matrix: Water

Date Sampled: 04/02/2012 1645

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12715.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1327			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	0.56	J	0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Rinse Blank

Lab Sample ID: 480-18001-10RB

Client Matrix: Water

Date Sampled: 04/02/2012 1645

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12715.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1327			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1327				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	121		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-4

Lab Sample ID: 480-18001-11

Date Sampled: 04/03/2012 1130

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12678.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1526			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1526				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		160	200
1,1,2,2-Tetrachloroethane	ND		42	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		62	200
1,1,2-Trichloroethane	ND		46	200
1,1-Dichloroethane	2000		76	200
1,1-Dichloroethene	770		58	200
1,2,4-Trichlorobenzene	ND		82	200
1,2-Dibromo-3-Chloropropane	ND		78	200
1,2-Dibromoethane	ND		150	200
1,2-Dichlorobenzene	ND		160	200
1,2-Dichloroethane	ND		42	200
1,2-Dichloropropane	ND		140	200
1,3-Dichlorobenzene	ND		160	200
1,4-Dichlorobenzene	ND		170	200
2-Butanone (MEK)	ND		260	2000
2-Hexanone	ND		250	1000
4-Methyl-2-pentanone (MIBK)	ND		420	1000
Acetone	ND		600	2000
Benzene	ND		82	200
Bromodichloromethane	ND		78	200
Bromoform	ND		52	200
Bromomethane	ND		140	200
Carbon disulfide	ND		38	200
Carbon tetrachloride	ND		54	200
Chlorobenzene	ND		150	200
Chloroethane	ND		64	200
Chloroform	ND		68	200
Chloromethane	ND		70	200
cis-1,2-Dichloroethene	130000	E	160	200
cis-1,3-Dichloropropene	ND		72	200
Cyclohexane	ND		36	200
Dibromochloromethane	ND		64	200
Dichlorodifluoromethane	ND		140	200
Ethylbenzene	ND		150	200
Isopropylbenzene	ND		160	200
Methyl acetate	ND		100	200
Methyl tert-butyl ether	ND		32	200
Methylcyclohexane	ND		32	200
Methylene Chloride	ND		88	200
Styrene	ND		150	200
Tetrachloroethene	ND		72	200
Toluene	ND		100	200
trans-1,2-Dichloroethene	790		180	200
trans-1,3-Dichloropropene	ND		74	200
Trichloroethene	41000	E	92	200
Trichlorofluoromethane	ND		180	200

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-4

Lab Sample ID: 480-18001-11

Date Sampled: 04/03/2012 1130

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12678.D
Dilution:	200			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1526			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1526				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	9400		180	200
Xylenes, Total	ND		130	400

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	121		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-4

Lab Sample ID: 480-18001-11

Client Matrix: Ground Water

Date Sampled: 04/03/2012 1130

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58591	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12769.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 1401	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1600	2000
1,1,2,2-Tetrachloroethane	ND		420	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		620	2000
1,1,2-Trichloroethane	ND		460	2000
1,1-Dichloroethane	1800	J	760	2000
1,1-Dichloroethene	ND		580	2000
1,2,4-Trichlorobenzene	ND		820	2000
1,2-Dibromo-3-Chloropropane	ND		780	2000
1,2-Dibromoethane	ND		1500	2000
1,2-Dichlorobenzene	ND		1600	2000
1,2-Dichloroethane	ND		420	2000
1,2-Dichloropropane	ND		1400	2000
1,3-Dichlorobenzene	ND		1600	2000
1,4-Dichlorobenzene	ND		1700	2000
2-Butanone (MEK)	ND		2600	20000
2-Hexanone	ND		2500	10000
4-Methyl-2-pentanone (MIBK)	ND		4200	10000
Acetone	ND		6000	20000
Benzene	ND		820	2000
Bromodichloromethane	ND		780	2000
Bromoform	ND		520	2000
Bromomethane	ND		1400	2000
Carbon disulfide	ND		380	2000
Carbon tetrachloride	ND		540	2000
Chlorobenzene	ND		1500	2000
Chloroethane	ND		640	2000
Chloroform	ND		680	2000
Chloromethane	ND		700	2000
cis-1,2-Dichloroethene	120000		1600	2000
cis-1,3-Dichloropropene	ND		720	2000
Cyclohexane	ND		360	2000
Dibromochloromethane	ND		640	2000
Dichlorodifluoromethane	ND		1400	2000
Ethylbenzene	ND		1500	2000
Isopropylbenzene	ND		1600	2000
Methyl acetate	ND		1000	2000
Methyl tert-butyl ether	ND		320	2000
Methylcyclohexane	ND		320	2000
Methylene Chloride	ND		880	2000
Styrene	ND		1500	2000
Tetrachloroethene	ND		720	2000
Toluene	ND		1000	2000
trans-1,2-Dichloroethene	ND		1800	2000
trans-1,3-Dichloropropene	ND		740	2000
Trichloroethene	39000		920	2000
Trichlorofluoromethane	ND		1800	2000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-4

Lab Sample ID: 480-18001-11

Date Sampled: 04/03/2012 1130

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58591	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12769.D
Dilution:	2000			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 1401	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 1401				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	7900		1800	2000
Xylenes, Total	ND		1300	4000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-9

Lab Sample ID: 480-18001-12

Date Sampled: 04/02/2012 1215

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12717.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1410			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1410				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	90		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	1.7		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	1.5		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	19		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-9

Lab Sample ID: 480-18001-12

Date Sampled: 04/02/2012 1215

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12717.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1410			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1410				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	1.8		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-13D

Lab Sample ID: 480-18001-13

Date Sampled: 04/03/2012 1040

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12680.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1610			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1610				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	89		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	62		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-13D

Lab Sample ID: 480-18001-13

Date Sampled: 04/03/2012 1040

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12680.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1610			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1610				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	2.3		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	120		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-14S

Lab Sample ID: 480-18001-14

Client Matrix: Ground Water

Date Sampled: 04/02/2012 1500

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12681.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1631			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1631				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	27		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	0.97	J	0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	1.4		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	11		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	30		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	0.90	J	0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	1.3		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-14S

Lab Sample ID: 480-18001-14

Date Sampled: 04/02/2012 1500

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12681.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1631			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1631				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	21		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	120		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-14D

Lab Sample ID: 480-18001-15

Client Matrix: Ground Water

Date Sampled: 04/02/2012 1540

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12682.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1653			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	0.44	J	0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	13		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	0.64	J	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-14D

Lab Sample ID: 480-18001-15

Date Sampled: 04/02/2012 1540

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12682.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1653			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1653				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	9.9		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	108		73 - 120
Toluene-d8 (Surr)	120		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-15S

Lab Sample ID: 480-18001-16

Client Matrix: Ground Water

Date Sampled: 04/03/2012 0905

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12683.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1714			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1714				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	950	E	0.38	1.0
1,1-Dichloroethene	26		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	1.3		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	630	E	1.3	10
2-Hexanone	21		1.2	5.0
4-Methyl-2-pentanone (MIBK)	46		2.1	5.0
Acetone	2600	E	3.0	10
Benzene	4.2		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	330	E	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	1100	E	0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	0.74	J	0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	8.8		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	0.58	J	0.16	1.0
Methylene Chloride	3.5		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	0.81	J	0.36	1.0
Toluene	170	E	0.51	1.0
trans-1,2-Dichloroethene	7.8		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	210	E	0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-15S

Lab Sample ID: 480-18001-16

Date Sampled: 04/03/2012 0905

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12683.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1714			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1714				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	480	E	0.90	1.0
Xylenes, Total	48		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		66 - 137
4-Bromofluorobenzene (Surr)	115		73 - 120
Toluene-d8 (Surr)	125		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-15S

Lab Sample ID: 480-18001-16

Date Sampled: 04/03/2012 0905

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12718.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1431	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1431				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		16	20
1,1,2,2-Tetrachloroethane	ND		4.2	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6.2	20
1,1,2-Trichloroethane	ND		4.6	20
1,1-Dichloroethane	1100		7.6	20
1,1-Dichloroethene	23		5.8	20
1,2,4-Trichlorobenzene	ND		8.2	20
1,2-Dibromo-3-Chloropropane	ND		7.8	20
1,2-Dibromoethane	ND		15	20
1,2-Dichlorobenzene	ND		16	20
1,2-Dichloroethane	ND		4.2	20
1,2-Dichloropropane	ND		14	20
1,3-Dichlorobenzene	ND		16	20
1,4-Dichlorobenzene	ND		17	20
2-Butanone (MEK)	590		26	200
2-Hexanone	ND		25	100
4-Methyl-2-pentanone (MIBK)	ND		42	100
Acetone	2600		60	200
Benzene	ND		8.2	20
Bromodichloromethane	ND		7.8	20
Bromoform	ND		5.2	20
Bromomethane	ND		14	20
Carbon disulfide	ND		3.8	20
Carbon tetrachloride	ND		5.4	20
Chlorobenzene	ND		15	20
Chloroethane	360		6.4	20
Chloroform	ND		6.8	20
Chloromethane	ND		7.0	20
cis-1,2-Dichloroethene	1400		16	20
cis-1,3-Dichloropropene	ND		7.2	20
Cyclohexane	ND		3.6	20
Dibromochloromethane	ND		6.4	20
Dichlorodifluoromethane	ND		14	20
Ethylbenzene	ND		15	20
Isopropylbenzene	ND		16	20
Methyl acetate	ND		10	20
Methyl tert-butyl ether	ND		3.2	20
Methylcyclohexane	ND		3.2	20
Methylene Chloride	ND		8.8	20
Styrene	ND		15	20
Tetrachloroethene	ND		7.2	20
Toluene	200		10	20
trans-1,2-Dichloroethene	ND		18	20
trans-1,3-Dichloropropene	ND		7.4	20
Trichloroethene	240		9.2	20
Trichlorofluoromethane	ND		18	20

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-15S

Lab Sample ID: 480-18001-16

Date Sampled: 04/03/2012 0905

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12718.D
Dilution:	20			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1431	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1431				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	540		18	20
Xylenes, Total	47		13	40

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	112		73 - 120
Toluene-d8 (Surr)	124		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-15D

Lab Sample ID: 480-18001-17

Date Sampled: 04/02/2012 1625

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12719.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1453			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1453				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2,4-Trichlorobenzene	ND		4.1	10
1,2-Dibromo-3-Chloropropane	ND		3.9	10
1,2-Dibromoethane	ND		7.3	10
1,2-Dichlorobenzene	ND		7.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
1,3-Dichlorobenzene	ND		7.8	10
1,4-Dichlorobenzene	ND		8.4	10
2-Butanone (MEK)	ND		13	100
2-Hexanone	ND		12	50
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Chloroethane	900		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	ND		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Cyclohexane	ND		1.8	10
Dibromochloromethane	ND		3.2	10
Dichlorodifluoromethane	ND		6.8	10
Ethylbenzene	ND		7.4	10
Isopropylbenzene	ND		7.9	10
Methyl acetate	ND		5.0	10
Methyl tert-butyl ether	ND		1.6	10
Methylcyclohexane	ND		1.6	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Trichlorofluoromethane	ND		8.8	10

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-15D

Lab Sample ID: 480-18001-17

Date Sampled: 04/02/2012 1625

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12719.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1453			Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1453				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16S

Lab Sample ID: 480-18001-18

Client Matrix: Ground Water

Date Sampled: 04/03/2012 1310

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12685.D
Dilution:	400			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1757			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1757				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	4900		330	400
1,1,2,2-Tetrachloroethane	ND		84	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120	400
1,1,2-Trichloroethane	ND		92	400
1,1-Dichloroethane	1700		150	400
1,1-Dichloroethene	840		120	400
1,2,4-Trichlorobenzene	ND		160	400
1,2-Dibromo-3-Chloropropane	ND		160	400
1,2-Dibromoethane	ND		290	400
1,2-Dichlorobenzene	ND		320	400
1,2-Dichloroethane	ND		84	400
1,2-Dichloropropane	ND		290	400
1,3-Dichlorobenzene	ND		310	400
1,4-Dichlorobenzene	ND		340	400
2-Butanone (MEK)	ND		530	4000
2-Hexanone	ND		500	2000
4-Methyl-2-pentanone (MIBK)	ND		840	2000
Acetone	ND		1200	4000
Benzene	ND		160	400
Bromodichloromethane	ND		160	400
Bromoform	ND		100	400
Bromomethane	ND		280	400
Carbon disulfide	ND		76	400
Carbon tetrachloride	ND		110	400
Chlorobenzene	ND		300	400
Chloroethane	960		130	400
Chloroform	ND		140	400
Chloromethane	ND		140	400
cis-1,2-Dichloroethene	94000	E	320	400
cis-1,3-Dichloropropene	ND		140	400
Cyclohexane	ND		72	400
Dibromochloromethane	ND		130	400
Dichlorodifluoromethane	ND		270	400
Ethylbenzene	ND		300	400
Isopropylbenzene	ND		320	400
Methyl acetate	ND		200	400
Methyl tert-butyl ether	ND		64	400
Methylcyclohexane	ND		64	400
Methylene Chloride	ND		180	400
Styrene	ND		290	400
Tetrachloroethene	ND		140	400
Toluene	460		200	400
trans-1,2-Dichloroethene	ND		360	400
trans-1,3-Dichloropropene	ND		150	400
Trichloroethene	250000	E	180	400
Trichlorofluoromethane	ND		350	400

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16S

Lab Sample ID: 480-18001-18

Date Sampled: 04/03/2012 1310

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12685.D
Dilution:	400			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1757			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1757				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	8400		360	400
Xylenes, Total	ND		260	800

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16S

Lab Sample ID: 480-18001-18

Date Sampled: 04/03/2012 1310

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58591	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12770.D
Dilution:	4000			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 1423	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 1423				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	3800	J	3300	4000
1,1,2,2-Tetrachloroethane	ND		840	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200	4000
1,1,2-Trichloroethane	ND		920	4000
1,1-Dichloroethane	ND		1500	4000
1,1-Dichloroethene	ND		1200	4000
1,2,4-Trichlorobenzene	ND		1600	4000
1,2-Dibromo-3-Chloropropane	ND		1600	4000
1,2-Dibromoethane	ND		2900	4000
1,2-Dichlorobenzene	ND		3200	4000
1,2-Dichloroethane	ND		840	4000
1,2-Dichloropropane	ND		2900	4000
1,3-Dichlorobenzene	ND		3100	4000
1,4-Dichlorobenzene	ND		3400	4000
2-Butanone (MEK)	ND		5300	40000
2-Hexanone	ND		5000	20000
4-Methyl-2-pentanone (MIBK)	ND		8400	20000
Acetone	ND		12000	40000
Benzene	ND		1600	4000
Bromodichloromethane	ND		1600	4000
Bromoform	ND		1000	4000
Bromomethane	ND		2800	4000
Carbon disulfide	ND		760	4000
Carbon tetrachloride	ND		1100	4000
Chlorobenzene	ND		3000	4000
Chloroethane	ND		1300	4000
Chloroform	ND		1400	4000
Chloromethane	ND		1400	4000
cis-1,2-Dichloroethene	84000		3200	4000
cis-1,3-Dichloropropene	ND		1400	4000
Cyclohexane	ND		720	4000
Dibromochloromethane	ND		1300	4000
Dichlorodifluoromethane	ND		2700	4000
Ethylbenzene	ND		3000	4000
Isopropylbenzene	ND		3200	4000
Methyl acetate	ND		2000	4000
Methyl tert-butyl ether	ND		640	4000
Methylcyclohexane	ND		640	4000
Methylene Chloride	ND		1800	4000
Styrene	ND		2900	4000
Tetrachloroethene	ND		1400	4000
Toluene	ND		2000	4000
trans-1,2-Dichloroethene	ND		3600	4000
trans-1,3-Dichloropropene	ND		1500	4000
Trichloroethene	250000		1800	4000
Trichlorofluoromethane	ND		3500	4000

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16S

Lab Sample ID: 480-18001-18

Date Sampled: 04/03/2012 1310

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58591	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12770.D
Dilution:	4000			Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 1423	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 1423				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	7100		3600	4000
Xylenes, Total	ND		2600	8000

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121		66 - 137
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	122		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16D

Lab Sample ID: 480-18001-19

Client Matrix: Ground Water

Date Sampled: 04/03/2012 1355

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12686.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1819			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1819				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	0.58	J	0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	0.65	J	0.23	1.0
1,1-Dichloroethane	35		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	0.99	J	0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	110	E	0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	66		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	0.63	J	0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	3.4		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	42		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16D

Lab Sample ID: 480-18001-19

Date Sampled: 04/03/2012 1355

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12686.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1819			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1819				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	46		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119		66 - 137
4-Bromofluorobenzene (Surr)	110		73 - 120
Toluene-d8 (Surr)	121		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16D

Lab Sample ID: 480-18001-19

Client Matrix: Ground Water

Date Sampled: 04/03/2012 1355

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12721.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1536	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1536				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		1.6	2.0
1,1,2,2-Tetrachloroethane	ND		0.42	2.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.62	2.0
1,1,2-Trichloroethane	ND		0.46	2.0
1,1-Dichloroethane	34		0.76	2.0
1,1-Dichloroethene	ND		0.58	2.0
1,2,4-Trichlorobenzene	ND		0.82	2.0
1,2-Dibromo-3-Chloropropane	ND		0.78	2.0
1,2-Dibromoethane	ND		1.5	2.0
1,2-Dichlorobenzene	ND		1.6	2.0
1,2-Dichloroethane	1.0	J	0.42	2.0
1,2-Dichloropropane	ND		1.4	2.0
1,3-Dichlorobenzene	ND		1.6	2.0
1,4-Dichlorobenzene	ND		1.7	2.0
2-Butanone (MEK)	ND		2.6	20
2-Hexanone	ND		2.5	10
4-Methyl-2-pentanone (MIBK)	ND		4.2	10
Acetone	ND		6.0	20
Benzene	ND		0.82	2.0
Bromodichloromethane	ND		0.78	2.0
Bromoform	ND		0.52	2.0
Bromomethane	ND		1.4	2.0
Carbon disulfide	ND		0.38	2.0
Carbon tetrachloride	ND		0.54	2.0
Chlorobenzene	ND		1.5	2.0
Chloroethane	110		0.64	2.0
Chloroform	ND		0.68	2.0
Chloromethane	ND		0.70	2.0
cis-1,2-Dichloroethene	66		1.6	2.0
cis-1,3-Dichloropropene	ND		0.72	2.0
Cyclohexane	ND		0.36	2.0
Dibromochloromethane	ND		0.64	2.0
Dichlorodifluoromethane	ND		1.4	2.0
Ethylbenzene	ND		1.5	2.0
Isopropylbenzene	ND		1.6	2.0
Methyl acetate	ND		1.0	2.0
Methyl tert-butyl ether	ND		0.32	2.0
Methylcyclohexane	ND		0.32	2.0
Methylene Chloride	ND		0.88	2.0
Styrene	ND		1.5	2.0
Tetrachloroethene	ND		0.72	2.0
Toluene	ND		1.0	2.0
trans-1,2-Dichloroethene	3.2		1.8	2.0
trans-1,3-Dichloropropene	ND		0.74	2.0
Trichloroethene	43		0.92	2.0
Trichlorofluoromethane	ND		1.8	2.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: MW-16D

Lab Sample ID: 480-18001-19

Date Sampled: 04/03/2012 1355

Client Matrix: Ground Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12721.D
Dilution:	2.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1536	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1536				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	44		1.8	2.0
Xylenes, Total	ND		1.3	4.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		66 - 137
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	120		71 - 126

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-18001-20TB

Date Sampled: 04/02/2012 0000

Client Matrix: Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12687.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1840			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18001-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-18001-20TB

Date Sampled: 04/02/2012 0000

Client Matrix: Water

Date Received: 04/03/2012 1515

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	S12687.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1840			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1840				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120		66 - 137
4-Bromofluorobenzene (Surr)	109		73 - 120
Toluene-d8 (Surr)	121		71 - 126

Client: AECOM, Inc.

Job Number: 480-18001-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
480-18001-1	MW-2	117	122	112
480-18001-2	MW-3	118	122	111
480-18001-3	MW-6	117	121	110
480-18001-4	MW-8R	120	123	112
480-18001-5	MW-10	119	122	110
480-18001-6	MW-11	118	120	108
480-18001-7	MW-12	117	121	110
480-18001-8	MW-13S	118	119	110
480-18001-8 DL	MW-13S DL	119	122	109
480-18001-9	Duplicate	112	122	110
480-18001-9 DL	Duplicate DL	120	122	109
480-18001-10	Rinse Blank	118	121	108
480-18001-11	MW-4	117	121	108
480-18001-11 DL	MW-4 DL	119	122	108
480-18001-12	MW-9	120	122	108
480-18001-13	MW-13D	118	120	108
480-18001-14	MW-14S	120	120	108
480-18001-15	MW-14D	120	120	108
480-18001-16	MW-15S	121	125	115
480-18001-16 DL	MW-15S DL	120	124	112
480-18001-17	MW-15D	120	122	110
480-18001-18	MW-16S	118	122	110
480-18001-18 DL	MW-16S DL	121	122	107
480-18001-19	MW-16D	119	121	110
480-18001-19 DL	MW-16D DL	117	120	107
480-18001-20	Trip Blank	120	121	109
MB 480-58178/5		118	122	112
MB 480-58271/5		120	122	110
MB 480-58433/5		117	122	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Client: AECOM, Inc.

Job Number: 480-18001-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
MB 480-58561/5		121	122	109
MB 480-58591/5		119	122	108
LCS 480-58178/4		116	123	113
LCS 480-58271/4		117	122	111
LCS 480-58433/4		117	122	114
LCS 480-58561/4		118	122	111
LCS 480-58591/4		119	122	110
480-18001-4 MS	MW-8R MS	119	122	111
480-18001-9 MS	Duplicate MS	119	120	109
480-18001-16 MS	MW-15S MS	118	121	110
480-18001-4 MSD	MW-8R MSD	120	122	111
480-18001-9 MSD	Duplicate MSD	120	120	107
480-18001-16 MSD	MW-15S MSD	118	122	111

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58178

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-58178/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/04/2012 2345
 Prep Date: 04/04/2012 2345
 Leach Date: N/A

Analysis Batch: 480-58178
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S12642.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58178

Method: 8260B

Preparation: 5030B

Lab Sample ID:	MB 480-58178/5	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12642.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/04/2012 2345	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 2345				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	66 - 137
4-Bromofluorobenzene (Surr)	112	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Lab Control Sample - Batch: 480-58178

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 480-58178/4	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12641.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/04/2012 2324	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/04/2012 2324				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	27.4	110	71 - 129	
1,1-Dichloroethene	25.0	23.8	95	65 - 138	
1,2-Dichlorobenzene	25.0	28.0	112	77 - 120	
1,2-Dichloroethane	25.0	26.5	106	75 - 127	
Benzene	25.0	29.3	117	71 - 124	
Chlorobenzene	25.0	27.4	110	72 - 120	
cis-1,2-Dichloroethene	25.0	28.3	113	74 - 124	
Ethylbenzene	25.0	28.2	113	77 - 123	
Methyl tert-butyl ether	25.0	26.0	104	64 - 127	
Tetrachloroethene	25.0	28.1	112	74 - 122	
Toluene	25.0	28.0	112	70 - 122	
trans-1,2-Dichloroethene	25.0	30.9	124	73 - 127	
Trichloroethene	25.0	27.6	110	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	66 - 137
4-Bromofluorobenzene (Surr)	113	73 - 120
Toluene-d8 (Surr)	123	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58178**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID:	480-18001-4	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12664.D
Dilution:	2000	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0747			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0747				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18001-4	Analysis Batch:	480-58178	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12665.D
Dilution:	2000	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 0809			Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 0809				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	116	111	71 - 129	4	20		
1,1-Dichloroethene	101	98	65 - 138	3	16		
1,2-Dichlorobenzene	112	110	77 - 120	3	20		
1,2-Dichloroethane	109	107	75 - 127	1	20		
Benzene	121	119	71 - 124	2	13		
Chlorobenzene	110	108	72 - 120	3	25		
cis-1,2-Dichloroethene	117	111	74 - 124	3	15		
Ethylbenzene	114	112	77 - 123	2	15		
Methyl tert-butyl ether	102	104	64 - 127	2	37		
Tetrachloroethene	112	108	74 - 122	4	20		
Toluene	115	112	70 - 122	2	15		
trans-1,2-Dichloroethene	123	124	73 - 127	1	20		
Trichloroethene	114	106	74 - 123	3	16		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	119		120	66 - 137			
4-Bromofluorobenzene (Surr)	111		111	73 - 120			
Toluene-d8 (Surr)	122		122	71 - 126			

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-58178

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 480-18001-4 Units: ug/L
 Client Matrix: Water
 Dilution: 2000
 Analysis Date: 04/05/2012 0747
 Prep Date: 04/05/2012 0747
 Leach Date: N/A

MSD Lab Sample ID: 480-18001-4
 Client Matrix: Water
 Dilution: 2000
 Analysis Date: 04/05/2012 0809
 Prep Date: 04/05/2012 0809
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	ND	50000	50000	57800	55600
1,1-Dichloroethene	ND	50000	50000	50400	48800
1,2-Dichlorobenzene	ND	50000	50000	56200	54800
1,2-Dichloroethane	ND	50000	50000	54400	53600
Benzene	ND	50000	50000	60600	59400
Chlorobenzene	ND	50000	50000	55200	53800
cis-1,2-Dichloroethene	54000	50000	50000	113000	110000
Ethylbenzene	ND	50000	50000	57200	56000
Methyl tert-butyl ether	ND	50000	50000	51000	52000
Tetrachloroethene	ND	50000	50000	56000	53800
Toluene	ND	50000	50000	57400	56000
trans-1,2-Dichloroethene	ND	50000	50000	61600	62200
Trichloroethene	99000	50000	50000	156000	152000

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58271

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-58271/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/05/2012 1216
 Prep Date: 04/05/2012 1216
 Leach Date: N/A

Analysis Batch: 480-58271
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S12670.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58271

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-58271/5	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12670.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1216	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1216				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	120	66 - 137
4-Bromofluorobenzene (Surr)	110	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Lab Control Sample - Batch: 480-58271

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-58271/4	Analysis Batch:	480-58271	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12669.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/05/2012 1155	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/05/2012 1155				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.8	107	71 - 129	
1,1-Dichloroethene	25.0	21.0	84	65 - 138	
1,2-Dichlorobenzene	25.0	26.5	106	77 - 120	
1,2-Dichloroethane	25.0	25.5	102	75 - 127	
Benzene	25.0	27.9	112	71 - 124	
Chlorobenzene	25.0	26.4	106	72 - 120	
cis-1,2-Dichloroethene	25.0	26.8	107	74 - 124	
Ethylbenzene	25.0	27.3	109	77 - 123	
Methyl tert-butyl ether	25.0	24.4	98	64 - 127	
Tetrachloroethene	25.0	26.5	106	74 - 122	
Toluene	25.0	27.0	108	70 - 122	
trans-1,2-Dichloroethene	25.0	25.3	101	73 - 127	
Trichloroethene	25.0	26.5	106	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	66 - 137
4-Bromofluorobenzene (Surr)	111	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58433

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-58433/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/06/2012 1147
 Prep Date: 04/06/2012 1147
 Leach Date: N/A

Analysis Batch: 480-58433
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S12711.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58433

Method: 8260B

Preparation: 5030B

Lab Sample ID:	MB 480-58433/5	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12711.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1147	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1147				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	66 - 137
4-Bromofluorobenzene (Surr)	111	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Lab Control Sample - Batch: 480-58433

Method: 8260B

Preparation: 5030B

Lab Sample ID:	LCS 480-58433/4	Analysis Batch:	480-58433	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12710.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 1125	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 1125				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	26.5	106	71 - 129	
1,1-Dichloroethene	25.0	22.1	88	65 - 138	
1,2-Dichlorobenzene	25.0	26.3	105	77 - 120	
1,2-Dichloroethane	25.0	25.2	101	75 - 127	
Benzene	25.0	28.0	112	71 - 124	
Chlorobenzene	25.0	26.9	108	72 - 120	
cis-1,2-Dichloroethene	25.0	26.6	106	74 - 124	
Ethylbenzene	25.0	27.6	110	77 - 123	
Methyl tert-butyl ether	25.0	24.5	98	64 - 127	
Tetrachloroethene	25.0	26.8	107	74 - 122	
Toluene	25.0	27.3	109	70 - 122	
trans-1,2-Dichloroethene	25.0	25.0	100	73 - 127	
Trichloroethene	25.0	26.8	107	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	66 - 137
4-Bromofluorobenzene (Surr)	114	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58433**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 480-18001-16
Client Matrix: Water
Dilution: 20
Analysis Date: 04/06/2012 1935
Prep Date: 04/06/2012 1935
Leach Date: N/A

Analysis Batch: 480-58433
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973S
Lab File ID: S12732.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 480-18001-16
Client Matrix: Water
Dilution: 20
Analysis Date: 04/06/2012 1956
Prep Date: 04/06/2012 1956
Leach Date: N/A

Analysis Batch: 480-58433
Prep Batch: N/A
Leach Batch: N/A

Instrument ID: HP5973S
Lab File ID: S12733.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	75	78	71 - 129	1	20		
1,1-Dichloroethene	87	91	65 - 138	3	16		
1,2-Dichlorobenzene	108	107	77 - 120	1	20		
1,2-Dichloroethane	103	103	75 - 127	0	20		
Benzene	114	115	71 - 124	1	13		
Chlorobenzene	106	106	72 - 120	0	25		
cis-1,2-Dichloroethene	67	69	74 - 124	1	15	F	F
Ethylbenzene	110	111	77 - 123	1	15		
Methyl tert-butyl ether	96	95	64 - 127	1	37		
Tetrachloroethene	104	105	74 - 122	1	20		
Toluene	101	103	70 - 122	1	15		
trans-1,2-Dichloroethene	116	112	73 - 127	3	20		
Trichloroethene	100	101	74 - 123	1	16		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	118		118		66 - 137		
4-Bromofluorobenzene (Surr)	110		111		73 - 120		
Toluene-d8 (Surr)	121		122		71 - 126		

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-58433

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 480-18001-16 Units: ug/L
 Client Matrix: Water
 Dilution: 20
 Analysis Date: 04/06/2012 1935
 Prep Date: 04/06/2012 1935
 Leach Date: N/A

MSD Lab Sample ID: 480-18001-16
 Client Matrix: Water
 Dilution: 20
 Analysis Date: 04/06/2012 1956
 Prep Date: 04/06/2012 1956
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	1100	500	500	1520	1540
1,1-Dichloroethene	23	500	500	460	476
1,2-Dichlorobenzene	ND	500	500	542	534
1,2-Dichloroethane	ND	500	500	516	514
Benzene	ND	500	500	570	576
Chlorobenzene	ND	500	500	528	528
cis-1,2-Dichloroethene	1400	500	500	1720 F	1730 F
Ethylbenzene	ND	500	500	552	556
Methyl tert-butyl ether	ND	500	500	480	474
Tetrachloroethene	ND	500	500	522	526
Toluene	200	500	500	704	714
trans-1,2-Dichloroethene	ND	500	500	580	562
Trichloroethene	240	500	500	742	748

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58561

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-58561/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/06/2012 2251
 Prep Date: 04/06/2012 2251
 Leach Date: N/A

Analysis Batch: 480-58561
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S12740.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58561

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-58561/5	Analysis Batch:	480-58561	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12740.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 2251	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 2251				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	121	66 - 137
4-Bromofluorobenzene (Surr)	109	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Lab Control Sample - Batch: 480-58561

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-58561/4	Analysis Batch:	480-58561	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12739.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/06/2012 2229	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/06/2012 2229				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	29.4	118	71 - 129	
1,1-Dichloroethene	25.0	23.8	95	65 - 138	
1,2-Dichlorobenzene	25.0	27.2	109	77 - 120	
1,2-Dichloroethane	25.0	26.5	106	75 - 127	
Benzene	25.0	29.9	120	71 - 124	
Chlorobenzene	25.0	27.4	110	72 - 120	
cis-1,2-Dichloroethene	25.0	28.4	114	74 - 124	
Ethylbenzene	25.0	28.4	114	77 - 123	
Methyl tert-butyl ether	25.0	25.3	101	64 - 127	
Tetrachloroethene	25.0	28.1	112	74 - 122	
Toluene	25.0	28.5	114	70 - 122	
trans-1,2-Dichloroethene	25.0	28.8	115	73 - 127	
Trichloroethene	25.0	28.1	112	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118	66 - 137
4-Bromofluorobenzene (Surr)	111	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-58561**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID:	480-18001-9	Analysis Batch:	480-58561	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12762.D
Dilution:	2500	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 0701			Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 0701				
Leach Date:	N/A				

MSD Lab Sample ID:	480-18001-9	Analysis Batch:	480-58561	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12763.D
Dilution:	2500	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 0722			Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 0722				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1-Dichloroethane	111	108	71 - 129	2	20		
1,1-Dichloroethene	92	90	65 - 138	2	16		
1,2-Dichlorobenzene	111	109	77 - 120	2	20		
1,2-Dichloroethane	108	107	75 - 127	1	20		
Benzene	118	115	71 - 124	2	13		
Chlorobenzene	108	106	72 - 120	2	25		
cis-1,2-Dichloroethene	93	86	74 - 124	2	15		
Ethylbenzene	110	108	77 - 123	3	15		
Methyl tert-butyl ether	99	98	64 - 127	0	37		
Tetrachloroethene	104	101	74 - 122	3	20		
Toluene	110	108	70 - 122	2	15		
trans-1,2-Dichloroethene	112	106	73 - 127	5	20		
Trichloroethene	103	97	74 - 123	3	16		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	119		120		66 - 137		
4-Bromofluorobenzene (Surr)	109		107		73 - 120		
Toluene-d8 (Surr)	120		120		71 - 126		

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 480-58561

Method: 8260B

Preparation: 5030B

MS Lab Sample ID: 480-18001-9 Units: ug/L
 Client Matrix: Water
 Dilution: 2500
 Analysis Date: 04/07/2012 0701
 Prep Date: 04/07/2012 0701
 Leach Date: N/A

MSD Lab Sample ID: 480-18001-9
 Client Matrix: Water
 Dilution: 2500
 Analysis Date: 04/07/2012 0722
 Prep Date: 04/07/2012 0722
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
1,1-Dichloroethane	1900 J	62500	62500	71000	69300
1,1-Dichloroethene	ND	62500	62500	57300	56000
1,2-Dichlorobenzene	ND	62500	62500	69500	68300
1,2-Dichloroethane	ND	62500	62500	67800	67000
Benzene	ND	62500	62500	73500	72000
Chlorobenzene	ND	62500	62500	67500	66300
cis-1,2-Dichloroethene	130000	62500	62500	189000	185000
Ethylbenzene	ND	62500	62500	69000	67300
Methyl tert-butyl ether	ND	62500	62500	61800	61500
Tetrachloroethene	ND	62500	62500	64800	63000
Toluene	ND	62500	62500	69000	67500
trans-1,2-Dichloroethene	ND	62500	62500	69800	66500
Trichloroethene	40000	62500	62500	104000	101000

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58591

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 480-58591/5
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 04/07/2012 1328
 Prep Date: 04/07/2012 1328
 Leach Date: N/A

Analysis Batch: 480-58591
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: HP5973S
 Lab File ID: S12768.D
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Method Blank - Batch: 480-58591

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 480-58591/5	Analysis Batch:	480-58591	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12768.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 1328	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 1328				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Trichlorofluoromethane	ND		0.88	1.0
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	66 - 137
4-Bromofluorobenzene (Surr)	108	73 - 120
Toluene-d8 (Surr)	122	71 - 126

Lab Control Sample - Batch: 480-58591

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 480-58591/4	Analysis Batch:	480-58591	Instrument ID:	HP5973S
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	S12767.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	04/07/2012 1306	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	04/07/2012 1306				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1-Dichloroethane	25.0	28.4	114	71 - 129	
1,1-Dichloroethene	25.0	24.3	97	65 - 138	
1,2-Dichlorobenzene	25.0	28.1	112	77 - 120	
1,2-Dichloroethane	25.0	27.2	109	75 - 127	
Benzene	25.0	30.2	121	71 - 124	
Chlorobenzene	25.0	27.6	110	72 - 120	
cis-1,2-Dichloroethene	25.0	28.3	113	74 - 124	
Ethylbenzene	25.0	28.6	114	77 - 123	
Methyl tert-butyl ether	25.0	25.8	103	64 - 127	
Tetrachloroethene	25.0	28.1	112	74 - 122	
Toluene	25.0	28.5	114	70 - 122	
trans-1,2-Dichloroethene	25.0	31.2	125	73 - 127	
Trichloroethene	25.0	28.7	115	74 - 123	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	66 - 137
4-Bromofluorobenzene (Surr)	110	73 - 120
Toluene-d8 (Surr)	122	71 - 126

DATA REPORTING QUALIFIERS

Client: AECOM, Inc.

Job Number: 480-18001-1

Lab Section	Qualifier	Description
GC/MS VOA		
	F	MS or MSD exceeds the control limits
	E	Result exceeded calibration range.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
GC/MS VOA					
Analysis Batch:480-58178					
LCS 480-58178/4	Lab Control Sample	T	Water	8260B	
MB 480-58178/5	Method Blank	T	Water	8260B	
480-18001-1	MW-2	T	Water	8260B	
480-18001-2	MW-3	T	Water	8260B	
480-18001-3	MW-6	T	Water	8260B	
480-18001-4	MW-8R	T	Water	8260B	
480-18001-4MS	Matrix Spike	T	Water	8260B	
480-18001-4MSD	Matrix Spike Duplicate	T	Water	8260B	
480-18001-5	MW-10	T	Water	8260B	
480-18001-6	MW-11	T	Water	8260B	
480-18001-7	MW-12	T	Water	8260B	
480-18001-8	MW-13S	T	Water	8260B	
Analysis Batch:480-58271					
LCS 480-58271/4	Lab Control Sample	T	Water	8260B	
MB 480-58271/5	Method Blank	T	Water	8260B	
480-18001-9FD	Duplicate	T	Water	8260B	
480-18001-11	MW-4	T	Water	8260B	
480-18001-13	MW-13D	T	Water	8260B	
480-18001-14	MW-14S	T	Water	8260B	
480-18001-15	MW-14D	T	Water	8260B	
480-18001-16	MW-15S	T	Water	8260B	
480-18001-18	MW-16S	T	Water	8260B	
480-18001-19	MW-16D	T	Water	8260B	
480-18001-20TB	Trip Blank	T	Water	8260B	
Analysis Batch:480-58433					
LCS 480-58433/4	Lab Control Sample	T	Water	8260B	
MB 480-58433/5	Method Blank	T	Water	8260B	
480-18001-8DL	MW-13S	T	Water	8260B	
480-18001-10RB	Rinse Blank	T	Water	8260B	
480-18001-12	MW-9	T	Water	8260B	
480-18001-16DL	MW-15S	T	Water	8260B	
480-18001-16MS	Matrix Spike	T	Water	8260B	
480-18001-16MSD	Matrix Spike Duplicate	T	Water	8260B	
480-18001-17	MW-15D	T	Water	8260B	
480-18001-19DL	MW-16D	T	Water	8260B	
Analysis Batch:480-58561					
LCS 480-58561/4	Lab Control Sample	T	Water	8260B	
MB 480-58561/5	Method Blank	T	Water	8260B	
480-18001-9FDDL	Duplicate	T	Water	8260B	
480-18001-9MS	Matrix Spike	T	Water	8260B	
480-18001-9MSD	Matrix Spike Duplicate	T	Water	8260B	

TestAmerica Buffalo

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:480-58591					
LCS 480-58591/4	Lab Control Sample	T	Water	8260B	
MB 480-58591/5	Method Blank	T	Water	8260B	
480-18001-11DL	MW-4	T	Water	8260B	
480-18001-18DL	MW-16S	T	Water	8260B	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Laboratory Chronicle

Lab ID: 480-18001-1

Client ID: MW-2

Sample Date/Time: 04/02/2012 09:30

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-1		480-58178		04/05/2012 04:14	1	TAL BUF	DC
A:8260B	480-18001-A-1		480-58178		04/05/2012 04:14	1	TAL BUF	DC

Lab ID: 480-18001-2

Client ID: MW-3

Sample Date/Time: 04/02/2012 11:20

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-2		480-58178		04/05/2012 04:36	1	TAL BUF	DC
A:8260B	480-18001-A-2		480-58178		04/05/2012 04:36	1	TAL BUF	DC

Lab ID: 480-18001-3

Client ID: MW-6

Sample Date/Time: 04/02/2012 13:40

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-3		480-58178		04/05/2012 04:57	1	TAL BUF	DC
A:8260B	480-18001-A-3		480-58178		04/05/2012 04:57	1	TAL BUF	DC

Lab ID: 480-18001-4

Client ID: MW-8R

Sample Date/Time: 04/03/2012 12:15

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-4		480-58178		04/05/2012 05:18	2000	TAL BUF	DC
A:8260B	480-18001-A-4		480-58178		04/05/2012 05:18	2000	TAL BUF	DC

Lab ID: 480-18001-4 MS

Client ID: MW-8R

Sample Date/Time: 04/03/2012 12:15

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-4 MS		480-58178		04/05/2012 07:47	2000	TAL BUF	DC
A:8260B	480-18001-A-4 MS		480-58178		04/05/2012 07:47	2000	TAL BUF	DC

Lab ID: 480-18001-4 MSD

Client ID: MW-8R

Sample Date/Time: 04/03/2012 12:15

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-4 MSD		480-58178		04/05/2012 08:09	2000	TAL BUF	DC
A:8260B	480-18001-A-4 MSD		480-58178		04/05/2012 08:09	2000	TAL BUF	DC

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Laboratory Chronicle

Lab ID: 480-18001-5

Client ID: MW-10

Sample Date/Time: 04/02/2012 14:15

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-5		480-58178		04/05/2012 05:40	1	TAL BUF	DC
A:8260B	480-18001-A-5		480-58178		04/05/2012 05:40	1	TAL BUF	DC

Lab ID: 480-18001-6

Client ID: MW-11

Sample Date/Time: 04/02/2012 10:25

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-6		480-58178		04/05/2012 06:01	1	TAL BUF	DC
A:8260B	480-18001-A-6		480-58178		04/05/2012 06:01	1	TAL BUF	DC

Lab ID: 480-18001-7

Client ID: MW-12

Sample Date/Time: 04/02/2012 12:55

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-7		480-58178		04/05/2012 06:22	1	TAL BUF	DC
A:8260B	480-18001-A-7		480-58178		04/05/2012 06:22	1	TAL BUF	DC

Lab ID: 480-18001-8

Client ID: MW-13S

Sample Date/Time: 04/03/2012 10:10

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-8		480-58178		04/05/2012 06:43	1	TAL BUF	DC
A:8260B	480-18001-A-8		480-58178		04/05/2012 06:43	1	TAL BUF	DC
P:5030B	480-18001-B-8	DL	480-58433		04/06/2012 12:44	500	TAL BUF	RL
A:8260B	480-18001-B-8	DL	480-58433		04/06/2012 12:44	500	TAL BUF	RL

Lab ID: 480-18001-9

Client ID: Duplicate

Sample Date/Time: 04/03/2012 08:00

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-9		480-58271		04/05/2012 14:44	1	TAL BUF	DC
A:8260B	480-18001-A-9		480-58271		04/05/2012 14:44	1	TAL BUF	DC
P:5030B	480-18001-B-9	DL	480-58561		04/06/2012 23:29	2500	TAL BUF	DC
A:8260B	480-18001-B-9	DL	480-58561		04/06/2012 23:29	2500	TAL BUF	DC

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Laboratory Chronicle

Lab ID: 480-18001-9 MS

Client ID: Duplicate

Sample Date/Time: 04/03/2012 08:00

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-9 MS		480-58561		04/07/2012 07:01	2500	TAL BUF	DC
A:8260B	480-18001-B-9 MS		480-58561		04/07/2012 07:01	2500	TAL BUF	DC

Lab ID: 480-18001-9 MSD

Client ID: Duplicate

Sample Date/Time: 04/03/2012 08:00

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-9 MSD		480-58561		04/07/2012 07:22	2500	TAL BUF	DC
A:8260B	480-18001-B-9 MSD		480-58561		04/07/2012 07:22	2500	TAL BUF	DC

Lab ID: 480-18001-10

Client ID: Rinse Blank

Sample Date/Time: 04/02/2012 16:45

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-10		480-58433		04/06/2012 13:27	1	TAL BUF	RL
A:8260B	480-18001-B-10		480-58433		04/06/2012 13:27	1	TAL BUF	RL

Lab ID: 480-18001-11

Client ID: MW-4

Sample Date/Time: 04/03/2012 11:30

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-11		480-58271		04/05/2012 15:26	200	TAL BUF	DC
A:8260B	480-18001-A-11		480-58271		04/05/2012 15:26	200	TAL BUF	DC
P:5030B	480-18001-B-11	DL	480-58591		04/07/2012 14:01	2000	TAL BUF	RL
A:8260B	480-18001-B-11	DL	480-58591		04/07/2012 14:01	2000	TAL BUF	RL

Lab ID: 480-18001-12

Client ID: MW-9

Sample Date/Time: 04/02/2012 12:15

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-12		480-58433		04/06/2012 14:10	1	TAL BUF	RL
A:8260B	480-18001-B-12		480-58433		04/06/2012 14:10	1	TAL BUF	RL

Lab ID: 480-18001-13

Client ID: MW-13D

Sample Date/Time: 04/03/2012 10:40

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-13		480-58271		04/05/2012 16:10	1	TAL BUF	DC
A:8260B	480-18001-A-13		480-58271		04/05/2012 16:10	1	TAL BUF	DC

TestAmerica Buffalo

A = Analytical Method P = Prep Method

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Laboratory Chronicle

Lab ID: 480-18001-14

Client ID: MW-14S

Sample Date/Time: 04/02/2012 15:00

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-14		480-58271		04/05/2012 16:31	1	TAL BUF	DC
A:8260B	480-18001-A-14		480-58271		04/05/2012 16:31	1	TAL BUF	DC

Lab ID: 480-18001-15

Client ID: MW-14D

Sample Date/Time: 04/02/2012 15:40

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-15		480-58271		04/05/2012 16:53	1	TAL BUF	DC
A:8260B	480-18001-A-15		480-58271		04/05/2012 16:53	1	TAL BUF	DC

Lab ID: 480-18001-16

Client ID: MW-15S

Sample Date/Time: 04/03/2012 09:05

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-16		480-58271		04/05/2012 17:14	1	TAL BUF	DC
A:8260B	480-18001-A-16		480-58271		04/05/2012 17:14	1	TAL BUF	DC
P:5030B	480-18001-B-16	DL	480-58433		04/06/2012 14:31	20	TAL BUF	RL
A:8260B	480-18001-B-16	DL	480-58433		04/06/2012 14:31	20	TAL BUF	RL

Lab ID: 480-18001-16 MS

Client ID: MW-15S

Sample Date/Time: 04/03/2012 09:05

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-16 MS		480-58433		04/06/2012 19:35	20	TAL BUF	RL
A:8260B	480-18001-B-16 MS		480-58433		04/06/2012 19:35	20	TAL BUF	RL

Lab ID: 480-18001-16 MSD

Client ID: MW-15S

Sample Date/Time: 04/03/2012 09:05

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-16 MSD		480-58433		04/06/2012 19:56	20	TAL BUF	RL
A:8260B	480-18001-B-16 MSD		480-58433		04/06/2012 19:56	20	TAL BUF	RL

Lab ID: 480-18001-17

Client ID: MW-15D

Sample Date/Time: 04/02/2012 16:25

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-B-17		480-58433		04/06/2012 14:53	10	TAL BUF	RL
A:8260B	480-18001-B-17		480-58433		04/06/2012 14:53	10	TAL BUF	RL

TestAmerica Buffalo

A = Analytical Method P = Prep Method

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Laboratory Chronicle

Lab ID: 480-18001-18

Client ID: MW-16S

Sample Date/Time: 04/03/2012 13:10

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-18		480-58271		04/05/2012 17:57	400	TAL BUF	DC
A:8260B	480-18001-A-18		480-58271		04/05/2012 17:57	400	TAL BUF	DC
P:5030B	480-18001-B-18	DL	480-58591		04/07/2012 14:23	4000	TAL BUF	RL
A:8260B	480-18001-B-18	DL	480-58591		04/07/2012 14:23	4000	TAL BUF	RL

Lab ID: 480-18001-19

Client ID: MW-16D

Sample Date/Time: 04/03/2012 13:55

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-19		480-58271		04/05/2012 18:19	1	TAL BUF	DC
A:8260B	480-18001-A-19		480-58271		04/05/2012 18:19	1	TAL BUF	DC
P:5030B	480-18001-B-19	DL	480-58433		04/06/2012 15:36	2	TAL BUF	RL
A:8260B	480-18001-B-19	DL	480-58433		04/06/2012 15:36	2	TAL BUF	RL

Lab ID: 480-18001-20

Client ID: Trip Blank

Sample Date/Time: 04/02/2012 00:00

Received Date/Time: 04/03/2012 15:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	480-18001-A-20		480-58271		04/05/2012 18:40	1	TAL BUF	DC
A:8260B	480-18001-A-20		480-58271		04/05/2012 18:40	1	TAL BUF	DC

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 480-58178/5		480-58178		04/04/2012 23:45	1	TAL BUF	DC
A:8260B	MB 480-58178/5		480-58178		04/04/2012 23:45	1	TAL BUF	DC
P:5030B	MB 480-58271/5		480-58271		04/05/2012 12:16	1	TAL BUF	DC
A:8260B	MB 480-58271/5		480-58271		04/05/2012 12:16	1	TAL BUF	DC
P:5030B	MB 480-58433/5		480-58433		04/06/2012 11:47	1	TAL BUF	RL
A:8260B	MB 480-58433/5		480-58433		04/06/2012 11:47	1	TAL BUF	RL
P:5030B	MB 480-58561/5		480-58561		04/06/2012 22:51	1	TAL BUF	DC
A:8260B	MB 480-58561/5		480-58561		04/06/2012 22:51	1	TAL BUF	DC
P:5030B	MB 480-58591/5		480-58591		04/07/2012 13:28	1	TAL BUF	RL
A:8260B	MB 480-58591/5		480-58591		04/07/2012 13:28	1	TAL BUF	RL

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18001-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 480-58178/4		480-58178		04/04/2012 23:24	1	TAL BUF	DC
A:8260B	LCS 480-58178/4		480-58178		04/04/2012 23:24	1	TAL BUF	DC
P:5030B	LCS 480-58271/4		480-58271		04/05/2012 11:55	1	TAL BUF	DC
A:8260B	LCS 480-58271/4		480-58271		04/05/2012 11:55	1	TAL BUF	DC
P:5030B	LCS 480-58433/4		480-58433		04/06/2012 11:25	1	TAL BUF	RL
A:8260B	LCS 480-58433/4		480-58433		04/06/2012 11:25	1	TAL BUF	RL
P:5030B	LCS 480-58561/4		480-58561		04/06/2012 22:29	1	TAL BUF	DC
A:8260B	LCS 480-58561/4		480-58561		04/06/2012 22:29	1	TAL BUF	DC
P:5030B	LCS 480-58591/4		480-58591		04/07/2012 13:06	1	TAL BUF	RL
A:8260B	LCS 480-58591/4		480-58591		04/07/2012 13:06	1	TAL BUF	RL

Lab References:

TAL BUF = TestAmerica Buffalo

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-18001-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	Federal		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8260B

Volatile Organic Compounds (GC/MS)
by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
MW-2	480-18001-1	117	122	112
MW-3	480-18001-2	118	122	111
MW-6	480-18001-3	117	121	110
MW-8R	480-18001-4	120	123	112
MW-10	480-18001-5	119	122	110
MW-11	480-18001-6	118	120	108
MW-12	480-18001-7	117	121	110
MW-13S	480-18001-8	118	119	110
MW-13S DL	480-18001-8 DL	119	122	109
Duplicate	480-18001-9	112	122	110
Duplicate DL	480-18001-9 DL	120	122	109
Rinse Blank	480-18001-10	118	121	108
MW-4	480-18001-11	117	121	108
MW-4 DL	480-18001-11 DL	119	122	108
MW-9	480-18001-12	120	122	108
MW-13D	480-18001-13	118	120	108
MW-14S	480-18001-14	120	120	108
MW-14D	480-18001-15	120	120	108
MW-15S	480-18001-16	121	125	115
MW-15S DL	480-18001-16 DL	120	124	112
MW-15D	480-18001-17	120	122	110
MW-16S	480-18001-18	118	122	110
MW-16S DL	480-18001-18 DL	121	122	107
MW-16D	480-18001-19	119	121	110
MW-16D DL	480-18001-19 DL	117	120	107
Trip Blank	480-18001-20	120	121	109
	MB 480-58178/5	118	122	112
	MB 480-58271/5	120	122	110
	MB 480-58433/5	117	122	111
	MB 480-58561/5	121	122	109
	MB 480-58591/5	119	122	108
	LCS 480-58178/4	116	123	113
	LCS 480-58271/4	117	122	111
	LCS 480-58433/4	117	122	114
	LCS 480-58561/4	118	122	111

QC LIMITS

DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Matrix: Water Level: Low
GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
	LCS 480-58591/4	119	122	110
MW-8R MS	480-18001-4 MS	119	122	111
Duplicate MS	480-18001-9 MS	119	120	109
MW-15S MS	480-18001-16 MS	118	121	110
MW-8R MSD	480-18001-4 MSD	120	122	111
Duplicate MSD	480-18001-9 MSD	120	120	107
MW-15S MSD	480-18001-16 MSD	118	122	111

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12641.D
 Lab ID: LCS 480-58178/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	27.4	110	71-129	
1,1-Dichloroethene	25.0	23.8	95	65-138	
1,2-Dichlorobenzene	25.0	28.0	112	77-120	
1,2-Dichloroethane	25.0	26.5	106	75-127	
Benzene	25.0	29.3	117	71-124	
Chlorobenzene	25.0	27.4	110	72-120	
cis-1,2-Dichloroethene	25.0	28.3	113	74-124	
Ethylbenzene	25.0	28.2	113	77-123	
Methyl tert-butyl ether	25.0	26.0	104	64-127	
Tetrachloroethene	25.0	28.1	112	74-122	
Toluene	25.0	28.0	112	70-122	
trans-1,2-Dichloroethene	25.0	30.9	124	73-127	
Trichloroethene	25.0	27.6	110	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12669.D
 Lab ID: LCS 480-58271/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	26.8	107	71-129	
1,1-Dichloroethene	25.0	21.0	84	65-138	
1,2-Dichlorobenzene	25.0	26.5	106	77-120	
1,2-Dichloroethane	25.0	25.5	102	75-127	
Benzene	25.0	27.9	112	71-124	
Chlorobenzene	25.0	26.4	106	72-120	
cis-1,2-Dichloroethene	25.0	26.8	107	74-124	
Ethylbenzene	25.0	27.3	109	77-123	
Methyl tert-butyl ether	25.0	24.4	98	64-127	
Tetrachloroethene	25.0	26.5	106	74-122	
Toluene	25.0	27.0	108	70-122	
trans-1,2-Dichloroethene	25.0	25.3	101	73-127	
Trichloroethene	25.0	26.5	106	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12710.D
 Lab ID: LCS 480-58433/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	26.5	106	71-129	
1,1-Dichloroethene	25.0	22.1	88	65-138	
1,2-Dichlorobenzene	25.0	26.3	105	77-120	
1,2-Dichloroethane	25.0	25.2	101	75-127	
Benzene	25.0	28.0	112	71-124	
Chlorobenzene	25.0	26.9	108	72-120	
cis-1,2-Dichloroethene	25.0	26.6	106	74-124	
Ethylbenzene	25.0	27.6	110	77-123	
Methyl tert-butyl ether	25.0	24.5	98	64-127	
Tetrachloroethene	25.0	26.8	107	74-122	
Toluene	25.0	27.3	109	70-122	
trans-1,2-Dichloroethene	25.0	25.0	100	73-127	
Trichloroethene	25.0	26.8	107	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S12739.D
Lab ID: LCS 480-58561/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	29.4	118	71-129	
1,1-Dichloroethene	25.0	23.8	95	65-138	
1,2-Dichlorobenzene	25.0	27.2	109	77-120	
1,2-Dichloroethane	25.0	26.5	106	75-127	
Benzene	25.0	29.9	120	71-124	
Chlorobenzene	25.0	27.4	110	72-120	
cis-1,2-Dichloroethene	25.0	28.4	114	74-124	
Ethylbenzene	25.0	28.4	114	77-123	
Methyl tert-butyl ether	25.0	25.3	101	64-127	
Tetrachloroethene	25.0	28.1	112	74-122	
Toluene	25.0	28.5	114	70-122	
trans-1,2-Dichloroethene	25.0	28.8	115	73-127	
Trichloroethene	25.0	28.1	112	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Matrix: Water Level: Low Lab File ID: S12767.D
Lab ID: LCS 480-58591/4 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1-Dichloroethane	25.0	28.4	114	71-129	
1,1-Dichloroethene	25.0	24.3	97	65-138	
1,2-Dichlorobenzene	25.0	28.1	112	77-120	
1,2-Dichloroethane	25.0	27.2	109	75-127	
Benzene	25.0	30.2	121	71-124	
Chlorobenzene	25.0	27.6	110	72-120	
cis-1,2-Dichloroethene	25.0	28.3	113	74-124	
Ethylbenzene	25.0	28.6	114	77-123	
Methyl tert-butyl ether	25.0	25.8	103	64-127	
Tetrachloroethene	25.0	28.1	112	74-122	
Toluene	25.0	28.5	114	70-122	
trans-1,2-Dichloroethene	25.0	31.2	125	73-127	
Trichloroethene	25.0	28.7	115	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12664.D
 Lab ID: 480-18001-4 MS Client ID: MW-8R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	50000	ND	57800	116	71-129	
1,1-Dichloroethene	50000	ND	50400	101	65-138	
1,2-Dichlorobenzene	50000	ND	56200	112	77-120	
1,2-Dichloroethane	50000	ND	54400	109	75-127	
Benzene	50000	ND	60600	121	71-124	
Chlorobenzene	50000	ND	55200	110	72-120	
cis-1,2-Dichloroethene	50000	54000	113000	117	74-124	
Ethylbenzene	50000	ND	57200	114	77-123	
Methyl tert-butyl ether	50000	ND	51000	102	64-127	
Tetrachloroethene	50000	ND	56000	112	74-122	
Toluene	50000	ND	57400	115	70-122	
trans-1,2-Dichloroethene	50000	ND	61600	123	73-127	
Trichloroethene	50000	99000	156000	114	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12762.D
 Lab ID: 480-18001-9 MS Client ID: Duplicate MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	62500	1900 J	71000	111	71-129	
1,1-Dichloroethene	62500	ND	57300	92	65-138	
1,2-Dichlorobenzene	62500	ND	69500	111	77-120	
1,2-Dichloroethane	62500	ND	67800	108	75-127	
Benzene	62500	ND	73500	118	71-124	
Chlorobenzene	62500	ND	67500	108	72-120	
cis-1,2-Dichloroethene	62500	130000	189000	93	74-124	
Ethylbenzene	62500	ND	69000	110	77-123	
Methyl tert-butyl ether	62500	ND	61800	99	64-127	
Tetrachloroethene	62500	ND	64800	104	74-122	
Toluene	62500	ND	69000	110	70-122	
trans-1,2-Dichloroethene	62500	ND	69800	112	73-127	
Trichloroethene	62500	40000	104000	103	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12732.D
 Lab ID: 480-18001-16 MS Client ID: MW-15S MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1-Dichloroethane	500	1100	1520	75	71-129	
1,1-Dichloroethene	500	23	460	87	65-138	
1,2-Dichlorobenzene	500	ND	542	108	77-120	
1,2-Dichloroethane	500	ND	516	103	75-127	
Benzene	500	ND	570	114	71-124	
Chlorobenzene	500	ND	528	106	72-120	
cis-1,2-Dichloroethene	500	1400	1720	67	74-124	F
Ethylbenzene	500	ND	552	110	77-123	
Methyl tert-butyl ether	500	ND	480	96	64-127	
Tetrachloroethene	500	ND	522	104	74-122	
Toluene	500	200	704	101	70-122	
trans-1,2-Dichloroethene	500	ND	580	116	73-127	
Trichloroethene	500	240	742	100	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12665.D
 Lab ID: 480-18001-4 MSD Client ID: MW-8R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	50000	55600	111	4	20	71-129	
1,1-Dichloroethene	50000	48800	98	3	16	65-138	
1,2-Dichlorobenzene	50000	54800	110	3	20	77-120	
1,2-Dichloroethane	50000	53600	107	1	20	75-127	
Benzene	50000	59400	119	2	13	71-124	
Chlorobenzene	50000	53800	108	3	25	72-120	
cis-1,2-Dichloroethene	50000	110000	111	3	15	74-124	
Ethylbenzene	50000	56000	112	2	15	77-123	
Methyl tert-butyl ether	50000	52000	104	2	37	64-127	
Tetrachloroethene	50000	53800	108	4	20	74-122	
Toluene	50000	56000	112	2	15	70-122	
trans-1,2-Dichloroethene	50000	62200	124	1	20	73-127	
Trichloroethene	50000	152000	106	3	16	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12763.D
 Lab ID: 480-18001-9 MSD Client ID: Duplicate MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	62500	69300	108	2	20	71-129	
1,1-Dichloroethene	62500	56000	90	2	16	65-138	
1,2-Dichlorobenzene	62500	68300	109	2	20	77-120	
1,2-Dichloroethane	62500	67000	107	1	20	75-127	
Benzene	62500	72000	115	2	13	71-124	
Chlorobenzene	62500	66300	106	2	25	72-120	
cis-1,2-Dichloroethene	62500	185000	86	2	15	74-124	
Ethylbenzene	62500	67300	108	3	15	77-123	
Methyl tert-butyl ether	62500	61500	98	0	37	64-127	
Tetrachloroethene	62500	63000	101	3	20	74-122	
Toluene	62500	67500	108	2	15	70-122	
trans-1,2-Dichloroethene	62500	66500	106	5	20	73-127	
Trichloroethene	62500	101000	97	3	16	74-123	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: S12733.D
 Lab ID: 480-18001-16 MSD Client ID: MW-15S MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1-Dichloroethane	500	1540	78	1	20	71-129	
1,1-Dichloroethene	500	476	91	3	16	65-138	
1,2-Dichlorobenzene	500	534	107	1	20	77-120	
1,2-Dichloroethane	500	514	103	0	20	75-127	
Benzene	500	576	115	1	13	71-124	
Chlorobenzene	500	528	106	0	25	72-120	
cis-1,2-Dichloroethene	500	1730	69	1	15	74-124	F
Ethylbenzene	500	556	111	1	15	77-123	
Methyl tert-butyl ether	500	474	95	1	37	64-127	
Tetrachloroethene	500	526	105	1	20	74-122	
Toluene	500	714	103	1	15	70-122	
trans-1,2-Dichloroethene	500	562	112	3	20	73-127	
Trichloroethene	500	748	101	1	16	74-123	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12642.D Lab Sample ID: MB 480-58178/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 04/04/2012 23:45
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58178/4	S12641.D	04/04/2012 23:24
MW-2	480-18001-1	S12654.D	04/05/2012 04:14
MW-3	480-18001-2	S12655.D	04/05/2012 04:36
MW-6	480-18001-3	S12656.D	04/05/2012 04:57
MW-8R	480-18001-4	S12657.D	04/05/2012 05:18
MW-10	480-18001-5	S12658.D	04/05/2012 05:40
MW-11	480-18001-6	S12659.D	04/05/2012 06:01
MW-12	480-18001-7	S12660.D	04/05/2012 06:22
MW-13S	480-18001-8	S12661.D	04/05/2012 06:43
MW-8R MS	480-18001-4 MS	S12664.D	04/05/2012 07:47
MW-8R MSD	480-18001-4 MSD	S12665.D	04/05/2012 08:09

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12670.D Lab Sample ID: MB 480-58271/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 04/05/2012 12:16
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58271/4	S12669.D	04/05/2012 11:55
Duplicate	480-18001-9	S12676.D	04/05/2012 14:44
MW-4	480-18001-11	S12678.D	04/05/2012 15:26
MW-13D	480-18001-13	S12680.D	04/05/2012 16:10
MW-14S	480-18001-14	S12681.D	04/05/2012 16:31
MW-14D	480-18001-15	S12682.D	04/05/2012 16:53
MW-15S	480-18001-16	S12683.D	04/05/2012 17:14
MW-16S	480-18001-18	S12685.D	04/05/2012 17:57
MW-16D	480-18001-19	S12686.D	04/05/2012 18:19
Trip Blank	480-18001-20	S12687.D	04/05/2012 18:40

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12711.D Lab Sample ID: MB 480-58433/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 04/06/2012 11:47
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58433/4	S12710.D	04/06/2012 11:25
MW-13S DL	480-18001-8 DL	S12713.D	04/06/2012 12:44
Rinse Blank	480-18001-10	S12715.D	04/06/2012 13:27
MW-9	480-18001-12	S12717.D	04/06/2012 14:10
MW-15S DL	480-18001-16 DL	S12718.D	04/06/2012 14:31
MW-15D	480-18001-17	S12719.D	04/06/2012 14:53
MW-16D DL	480-18001-19 DL	S12721.D	04/06/2012 15:36
MW-15S MS	480-18001-16 MS	S12732.D	04/06/2012 19:35
MW-15S MSD	480-18001-16 MSD	S12733.D	04/06/2012 19:56

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12740.D Lab Sample ID: MB 480-58561/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 04/06/2012 22:51
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58561/4	S12739.D	04/06/2012 22:29
Duplicate DL	480-18001-9 DL	S12741.D	04/06/2012 23:29
Duplicate MS	480-18001-9 MS	S12762.D	04/07/2012 07:01
Duplicate MSD	480-18001-9 MSD	S12763.D	04/07/2012 07:22

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12768.D Lab Sample ID: MB 480-58591/5
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: HP5973S Date Analyzed: 04/07/2012 13:28
GC Column: ZB-624 (60) ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 480-58591/4	S12767.D	04/07/2012 13:06
MW-4 DL	480-18001-11 DL	S12769.D	04/07/2012 14:01
MW-16S DL	480-18001-18 DL	S12770.D	04/07/2012 14:23

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12026.D BFB Injection Date: 03/20/2012
Instrument ID: HP5973S BFB Injection Time: 23:20
Analysis Batch No.: 56067

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	49.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.3
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	69.9
175	5.0 - 9.0 % of mass 174	5.6 (8.0) 1
176	95.0 - 101.0 % of mass 174	70.6 (100.9) 1
177	5.0 - 9.0 % of mass 176	4.5 (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:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 480-56067/3	S12028.D	03/21/2012	00:06
	STD 480-56067/4	S12029.D	03/21/2012	00:28
	STD 480-56067/5	S12030.D	03/21/2012	00:49
	STD 480-56067/6	S12031.D	03/21/2012	01:11
	STD 480-56067/7	S12032.D	03/21/2012	01:33
	STD 480-56067/8	S12033.D	03/21/2012	01:54

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12638.D BFB Injection Date: 04/04/2012
Instrument ID: HP5973S BFB Injection Time: 22:08
Analysis Batch No.: 58178

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.4
75	30.0 - 60.0 % of mass 95	48.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	78.8
175	5.0 - 9.0 % of mass 174	5.4 (6.8) 1
176	95.0 - 101.0 % of mass 174	78.3 (99.4) 1
177	5.0 - 9.0 % of mass 176	5.9 (7.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58178/2	S12639.D	04/04/2012	22:31
	LCS 480-58178/4	S12641.D	04/04/2012	23:24
	MB 480-58178/5	S12642.D	04/04/2012	23:45
MW-2	480-18001-1	S12654.D	04/05/2012	04:14
MW-3	480-18001-2	S12655.D	04/05/2012	04:36
MW-6	480-18001-3	S12656.D	04/05/2012	04:57
MW-8R	480-18001-4	S12657.D	04/05/2012	05:18
MW-10	480-18001-5	S12658.D	04/05/2012	05:40
MW-11	480-18001-6	S12659.D	04/05/2012	06:01
MW-12	480-18001-7	S12660.D	04/05/2012	06:22
MW-13S	480-18001-8	S12661.D	04/05/2012	06:43
MW-8R MS	480-18001-4 MS	S12664.D	04/05/2012	07:47
MW-8R MSD	480-18001-4 MSD	S12665.D	04/05/2012	08:09

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12666.D BFB Injection Date: 04/05/2012
Instrument ID: HP5973S BFB Injection Time: 09:57
Analysis Batch No.: 58271

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.4
75	30.0 - 60.0 % of mass 95	46.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	63.8
175	5.0 - 9.0 % of mass 174	4.5 (7.1) 1
176	95.0 - 101.0 % of mass 174	62.7 (98.3) 1
177	5.0 - 9.0 % of mass 176	4.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58271/2	S12667.D	04/05/2012	10:22
	LCS 480-58271/4	S12669.D	04/05/2012	11:55
	MB 480-58271/5	S12670.D	04/05/2012	12:16
Duplicate	480-18001-9	S12676.D	04/05/2012	14:44
MW-4	480-18001-11	S12678.D	04/05/2012	15:26
MW-13D	480-18001-13	S12680.D	04/05/2012	16:10
MW-14S	480-18001-14	S12681.D	04/05/2012	16:31
MW-14D	480-18001-15	S12682.D	04/05/2012	16:53
MW-15S	480-18001-16	S12683.D	04/05/2012	17:14
MW-16S	480-18001-18	S12685.D	04/05/2012	17:57
MW-16D	480-18001-19	S12686.D	04/05/2012	18:19
Trip Blank	480-18001-20	S12687.D	04/05/2012	18:40

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
SDG No.: _____
Lab File ID: S12707.D BFB Injection Date: 04/06/2012
Instrument ID: HP5973S BFB Injection Time: 08:46
Analysis Batch No.: 58433

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.3
75	30.0 - 60.0 % of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	68.6
175	5.0 - 9.0 % of mass 174	5.5 (7.9) 1
176	95.0 - 101.0 % of mass 174	66.2 (96.4) 1
177	5.0 - 9.0 % of mass 176	4.4 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58433/2	S12708.D	04/06/2012	10:29
	LCS 480-58433/4	S12710.D	04/06/2012	11:25
	MB 480-58433/5	S12711.D	04/06/2012	11:47
MW-13S DL	480-18001-8 DL	S12713.D	04/06/2012	12:44
Rinse Blank	480-18001-10	S12715.D	04/06/2012	13:27
MW-9	480-18001-12	S12717.D	04/06/2012	14:10
MW-15S DL	480-18001-16 DL	S12718.D	04/06/2012	14:31
MW-15D	480-18001-17	S12719.D	04/06/2012	14:53
MW-16D DL	480-18001-19 DL	S12721.D	04/06/2012	15:36
MW-15S MS	480-18001-16 MS	S12732.D	04/06/2012	19:35
MW-15S MSD	480-18001-16 MSD	S12733.D	04/06/2012	19:56

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Lab File ID: S12735.D BFB Injection Date: 04/06/2012
 Instrument ID: HP5973S BFB Injection Time: 20:30
 Analysis Batch No.: 58561

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.8
75	30.0 - 60.0 % of mass 95	45.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.1
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	74.9
175	5.0 - 9.0 % of mass 174	5.4 (7.2) 1
176	95.0 - 101.0 % of mass 174	72.4 (96.7) 1
177	5.0 - 9.0 % of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58561/2	S12737.D	04/06/2012	21:37
	LCS 480-58561/4	S12739.D	04/06/2012	22:29
	MB 480-58561/5	S12740.D	04/06/2012	22:51
Duplicate DL	480-18001-9 DL	S12741.D	04/06/2012	23:29
Duplicate MS	480-18001-9 MS	S12762.D	04/07/2012	07:01
Duplicate MSD	480-18001-9 MSD	S12763.D	04/07/2012	07:22

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Lab File ID: S12764.D BFB Injection Date: 04/07/2012
 Instrument ID: HP5973S BFB Injection Time: 10:01
 Analysis Batch No.: 58591

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	15.6
75	30.0 - 60.0 % of mass 95	47.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	50.0 - 120.00 % of mass 95	68.1
175	5.0 - 9.0 % of mass 174	5.5 (8.0) 1
176	95.0 - 101.0 % of mass 174	65.9 (96.8) 1
177	5.0 - 9.0 % of mass 176	4.7 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 480-58591/2	S12765.D	04/07/2012	12:04
	LCS 480-58591/4	S12767.D	04/07/2012	13:06
	MB 480-58591/5	S12768.D	04/07/2012	13:28
MW-4 DL	480-18001-11 DL	S12769.D	04/07/2012	14:01
MW-16S DL	480-18001-18 DL	S12770.D	04/07/2012	14:23

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Sample No.: STD 480-56067/6 Date Analyzed: 03/21/2012 01:11
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S12031.D Heated Purge: (Y/N) N
 Calibration ID: 7136

	DFB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1113969	4.89	569547	7.09	523367	8.95	
UPPER LIMIT	2227938	5.39	1139094	7.59	1046734	9.45	
LOWER LIMIT	556985	4.39	284774	6.59	261684	8.45	
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVIS 480-58178/2		876293	4.88	455668	7.09	411635	8.95
CCVIS 480-58271/2		856414	4.88	446793	7.08	397411	8.95
CCVIS 480-58433/2		836420	4.89	435696	7.09	390077	8.95
CCVIS 480-58561/2		827819	4.89	434551	7.08	385498	8.95

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Sample No.: CCVIS 480-58178/2 Date Analyzed: 04/04/2012 22:31
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S12639.D Heated Purge: (Y/N) N
 Calibration ID: 7136

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		876293	4.88	455668	7.09	411635	8.95
UPPER LIMIT		1752586	5.38	911336	7.59	823270	9.45
LOWER LIMIT		438147	4.38	227834	6.59	205818	8.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-58178/4		874437	4.89	451749	7.09	399935	8.95
MB 480-58178/5		875414	4.89	451581	7.09	398909	8.95
480-18001-1	MW-2	855738	4.89	442451	7.09	385201	8.95
480-18001-2	MW-3	856621	4.89	438610	7.09	380857	8.95
480-18001-3	MW-6	848976	4.89	440244	7.09	382971	8.95
480-18001-4	MW-8R	833757	4.89	431164	7.09	380599	8.95
480-18001-5	MW-10	847691	4.89	443166	7.09	385115	8.95
480-18001-6	MW-11	843830	4.89	439137	7.09	377225	8.95
480-18001-7	MW-12	849201	4.89	438750	7.09	379220	8.95
480-18001-8	MW-13S	842485	4.89	438979	7.09	387327	8.95
480-18001-4 MS	MW-8R MS	836335	4.89	436752	7.08	382454	8.95
480-18001-4 MSD	MW-8R MSD	830095	4.89	434067	7.09	384909	8.95

DFB = 1,4-Difluorobenzene
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Sample No.: CCVIS 480-58271/2 Date Analyzed: 04/05/2012 10:22
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S12667.D Heated Purge: (Y/N) N
 Calibration ID: 7136

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		856414	4.88	446793	7.08	397411	8.95
UPPER LIMIT		1712828	5.38	893586	7.58	794822	9.45
LOWER LIMIT		428207	4.38	223397	6.58	198706	8.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-58271/4		853144	4.89	444995	7.09	393424	8.95
MB 480-58271/5		846034	4.89	440475	7.09	386375	8.95
480-18001-9	Duplicate	747852	4.90	408777	7.09	357347	8.95
480-18001-11	MW-4	838297	4.89	437963	7.09	380066	8.95
480-18001-13	MW-13D	842026	4.89	439648	7.09	381620	8.95
480-18001-14	MW-14S	822890	4.89	433454	7.09	373835	8.95
480-18001-15	MW-14D	816200	4.89	431202	7.09	373369	8.95
480-18001-16	MW-15S	828401	4.89	427401	7.09	383193	8.95
480-18001-18	MW-16S	842949	4.89	439658	7.09	379550	8.95
480-18001-19	MW-16D	832719	4.89	436083	7.09	376055	8.95
480-18001-20	Trip Blank	828104	4.89	438921	7.09	375872	8.95

DFB = 1,4-Difluorobenzene
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4
 Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Sample No.: CCVIS 480-58433/2 Date Analyzed: 04/06/2012 10:29
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S12708.D Heated Purge: (Y/N) N
 Calibration ID: 7136

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		836420	4.89	435696	7.09	390077	8.95
UPPER LIMIT		1672840	5.39	871392	7.59	780154	9.45
LOWER LIMIT		418210	4.39	217848	6.59	195039	8.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 480-58433/4		838195	4.89	427993	7.09	382546	8.95
MB 480-58433/5		839299	4.89	433578	7.08	380603	8.95
480-18001-8 DL	MW-13S DL	820418	4.89	430414	7.09	375961	8.95
480-18001-10	Rinse Blank	825653	4.89	430658	7.08	373676	8.95
480-18001-12	MW-9	808078	4.89	422954	7.09	365149	8.95
480-18001-16 DL	MW-15S DL	809171	4.89	418723	7.09	371014	8.95
480-18001-17	MW-15D	806179	4.89	421493	7.09	367334	8.95
480-18001-19 DL	MW-16D DL	808753	4.89	423673	7.09	365634	8.95
480-18001-16 MS	MW-15S MS	792536	4.89	415950	7.09	366824	8.95
480-18001-16 MSD	MW-15S MSD	805892	4.89	421648	7.09	374508	8.95

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Sample No.: CCVIS 480-58561/2 Date Analyzed: 04/06/2012 21:37
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S12737.D Heated Purge: (Y/N) N
 Calibration ID: 7136

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		827819	4.89	434551	7.08	385498	8.95
UPPER LIMIT		1655638	5.39	869102	7.58	770996	9.45
LOWER LIMIT		413910	4.39	217276	6.58	192749	8.45
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-58561/4		813387	4.89	424302	7.09	376811	8.95
MB 480-58561/5		808419	4.89	425452	7.09	369423	8.95
480-18001-9 DL	Duplicate DL	832799	4.89	433362	7.09	371120	8.95
480-18001-9 MS	Duplicate MS	792322	4.89	417342	7.09	366138	8.95
480-18001-9 MSD	Duplicate MSD	790300	4.89	417241	7.09	366160	8.95

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Sample No.: CCVIS 480-58591/2 Date Analyzed: 04/07/2012 12:04
 Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm)
 Lab File ID (Standard): S12765.D Heated Purge: (Y/N) N
 Calibration ID: 7136

		DFB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		820748	4.89	429300	7.09	380997	8.95
UPPER LIMIT		1641496	5.39	858600	7.59	761994	9.45
LOWER LIMIT		410374	4.39	214650	6.59	190499	8.45
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 480-58591/4		812721	4.89	427898	7.09	371919	8.95
MB 480-58591/5		812843	4.89	425556	7.09	368155	8.95
480-18001-11 DL		MW-4 DL	819196	4.89	423603	7.09	367429
480-18001-18 DL		MW-16S DL	793938	4.89	419919	7.09	361020

DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5
 DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-2 Lab Sample ID: 480-18001-1

Matrix: Ground Water Lab File ID: S12654.D

Analysis Method: 8260B Date Collected: 04/02/2012 09:30

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 04:14

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	5.8		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-2 Lab Sample ID: 480-18001-1
 Matrix: Ground Water Lab File ID: S12654.D
 Analysis Method: 8260B Date Collected: 04/02/2012 09:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 04:14
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12654.D
 Lims ID: 480-18001-A-1 Client ID: MW-2
 Inject. Date: 05-Apr-2012 04:14:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-1
 Misc. Info.: 480-0010730-017 =480-0010730-017
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 44
 Lims Batch ID: 58178 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:17:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	855738	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	442451	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	385201	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	153075	29.3	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1007992	30.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	274055	27.9	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.729					
15 Chloroethane	64	1.850	1.850	0.0	60	34570	5.77	
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43	2.598	2.586	0.012	66	4896	1.45	
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.637					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:17:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12654.D

Injection Date: 05-Apr-2012 04:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-2

Instrument ID: HP5973S

Lims Batch ID: 58178

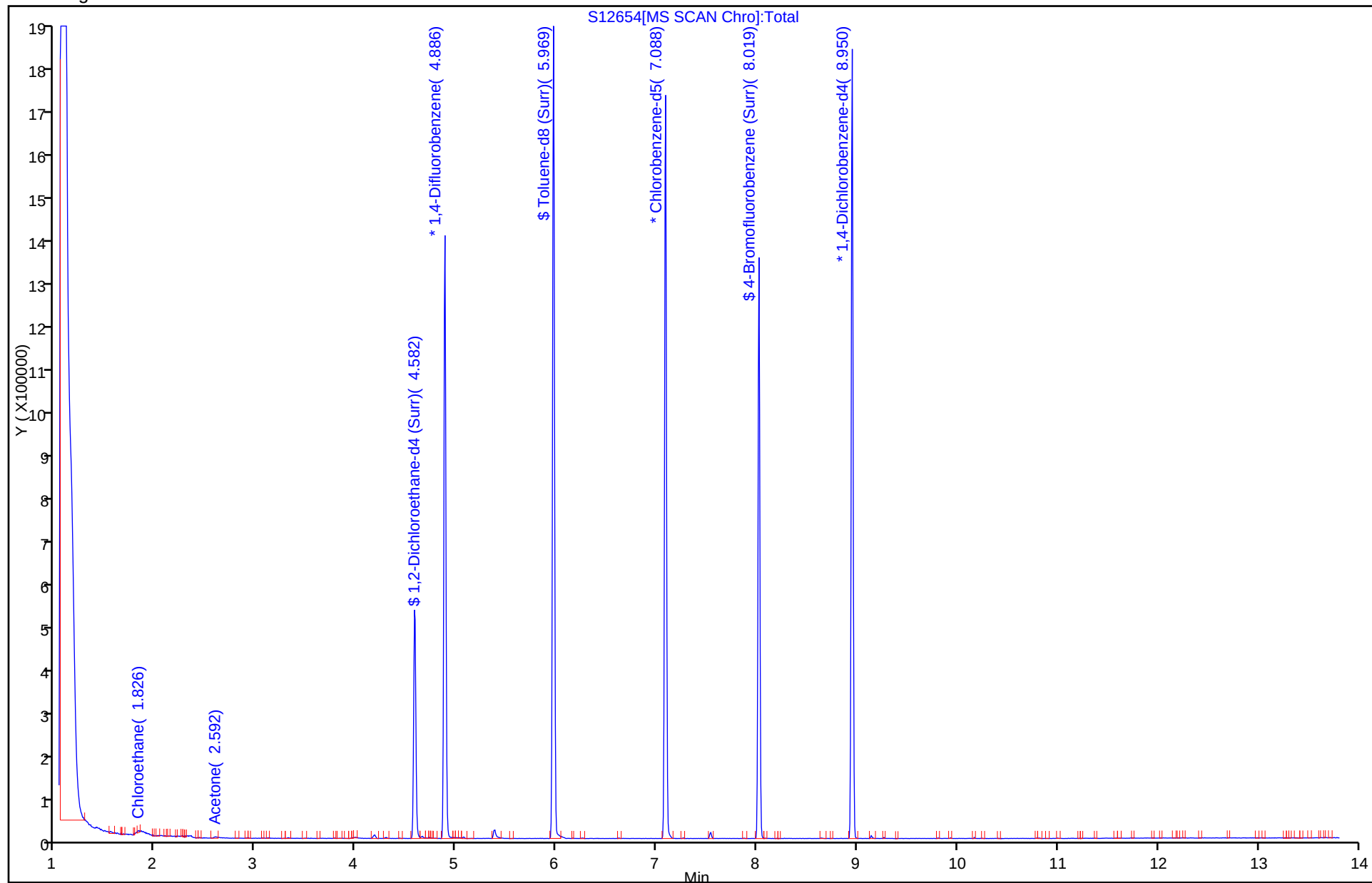
Lims Sample ID: 17

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 05-Apr-2012 10:17:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12654.D

Injection Date: 05-Apr-2012 04:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-2

Instrument ID: HP5973S

Lims Batch ID: 58178

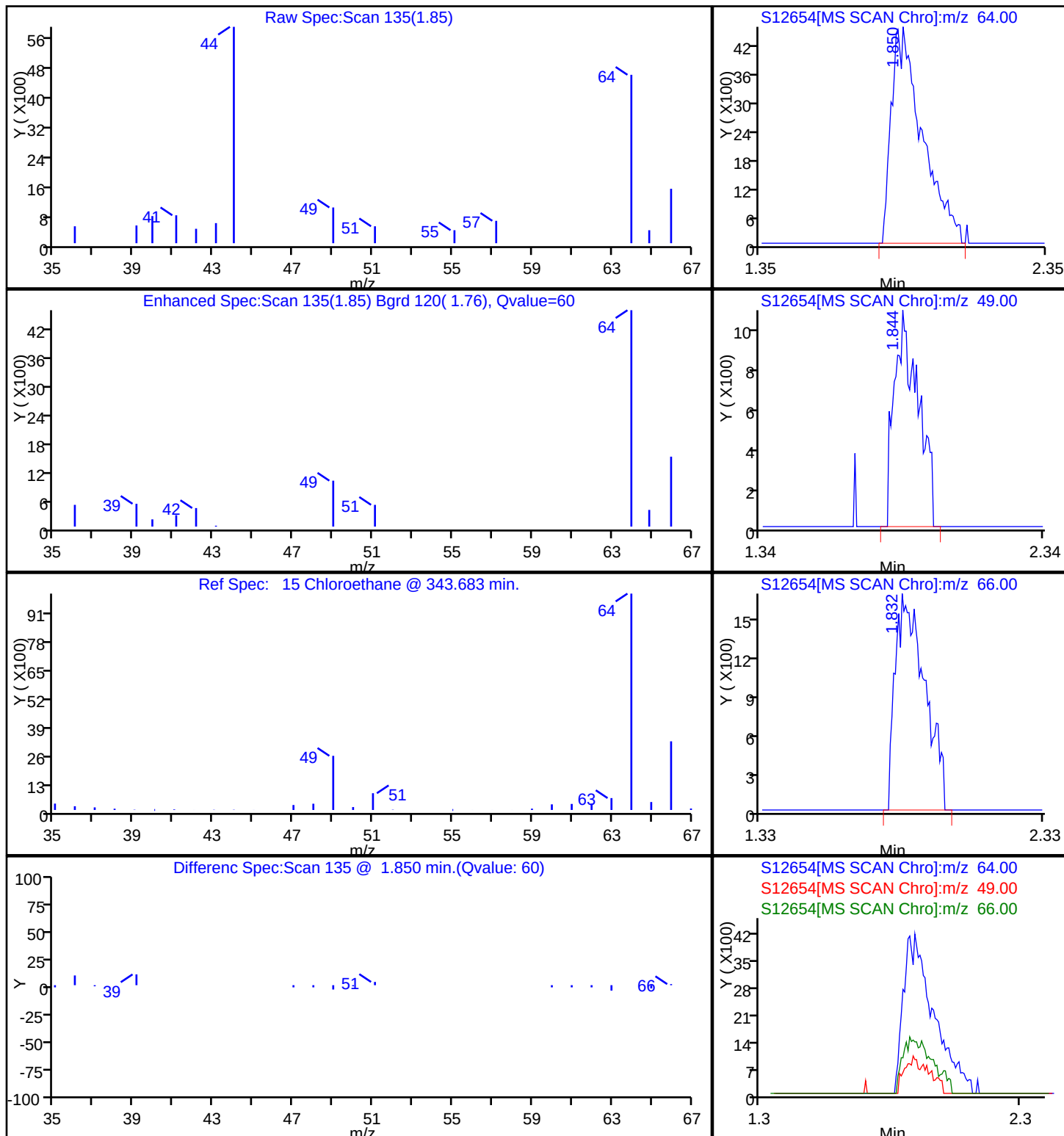
Lims Sample ID: 17

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-18001-2
 Matrix: Ground Water Lab File ID: S12655.D
 Analysis Method: 8260B Date Collected: 04/02/2012 11:20
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 04:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	7.9		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-3 Lab Sample ID: 480-18001-2
 Matrix: Ground Water Lab File ID: S12655.D
 Analysis Method: 8260B Date Collected: 04/02/2012 11:20
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 04:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12655.D
 Lims ID: 480-18001-A-2 Client ID: MW-3
 Inject. Date: 05-Apr-2012 04:36:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-2
 Misc. Info.: 480-0010730-018 =480-0010730-018
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 45
 Lims Batch ID: 58178 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:17:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	856621	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	438610	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	380857	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	154599	29.6	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1003019	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	270780	27.8	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.485	1.455	0.030	23	6049	0.6662	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63	3.487	3.481	0.006	83	117392	7.92	
45 cis-1,2-Dichloroethene	96	3.943	3.943	0.0	13	4706	0.4836	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.637					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:17:15

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12655.D

Injection Date: 05-Apr-2012 04:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973S

Lims Batch ID: 58178

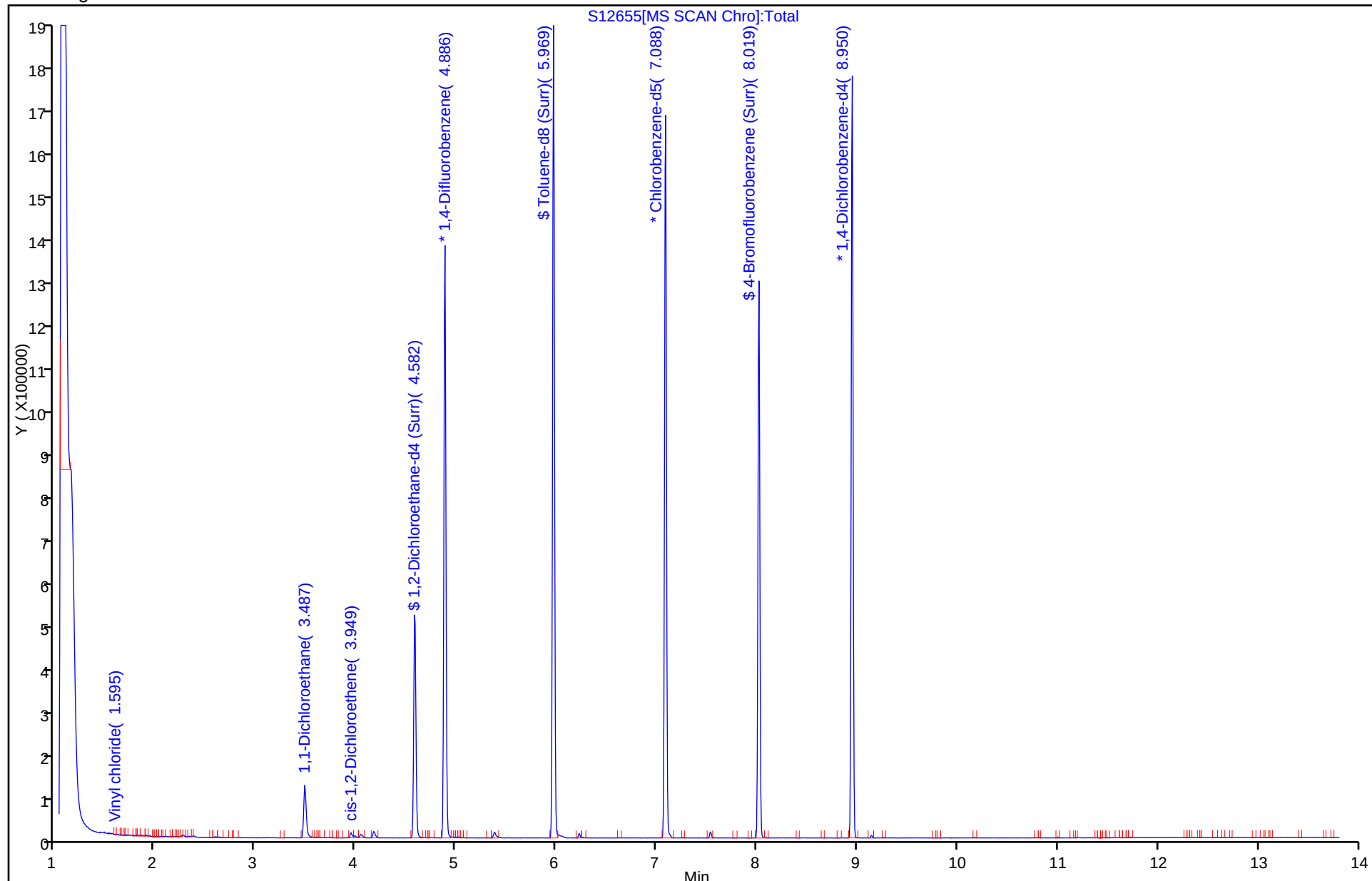
Lims Sample ID: 18

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12655.D

Injection Date: 05-Apr-2012 04:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-3

Instrument ID: HP5973S

Lims Batch ID: 58178

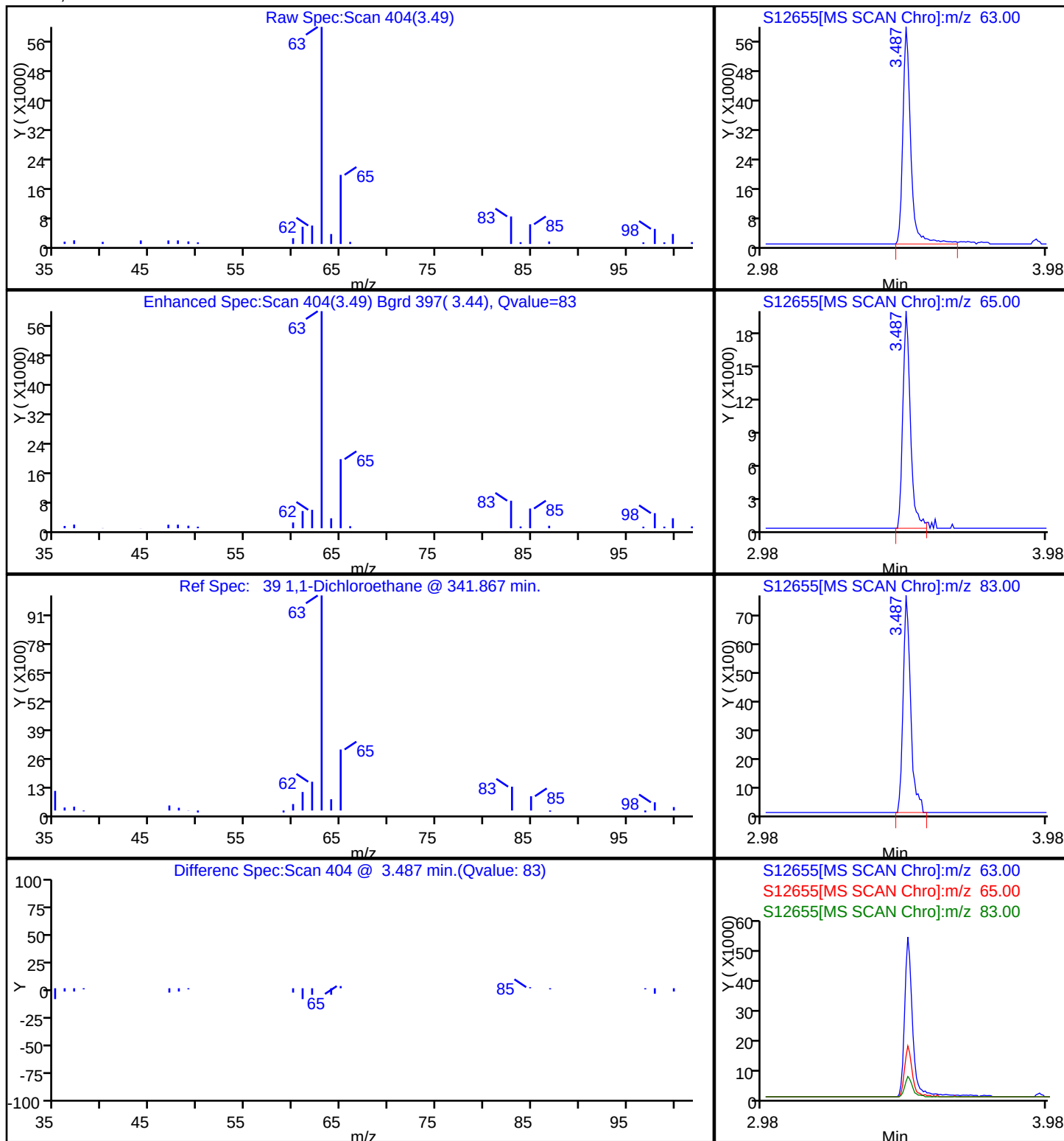
Lims Sample ID: 18

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-6 Lab Sample ID: 480-18001-3

Matrix: Ground Water Lab File ID: S12656.D

Analysis Method: 8260B Date Collected: 04/02/2012 13:40

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 04:57

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-6 Lab Sample ID: 480-18001-3
 Matrix: Ground Water Lab File ID: S12656.D
 Analysis Method: 8260B Date Collected: 04/02/2012 13:40
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 04:57
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12656.D
 Lims ID: 480-18001-A-3 Client ID: MW-6
 Inject. Date: 05-Apr-2012 04:57:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-3
 Misc. Info.: 480-0010730-019 =480-0010730-019
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 46
 Lims Batch ID: 58178 Lims Sample ID: 19
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:17:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	848976	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	440244	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	382971	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	151731	29.3	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	997593	30.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	268971	27.5	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.637					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:17:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12656.D

Injection Date: 05-Apr-2012 04:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-6

Instrument ID: HP5973S

Lims Batch ID: 58178

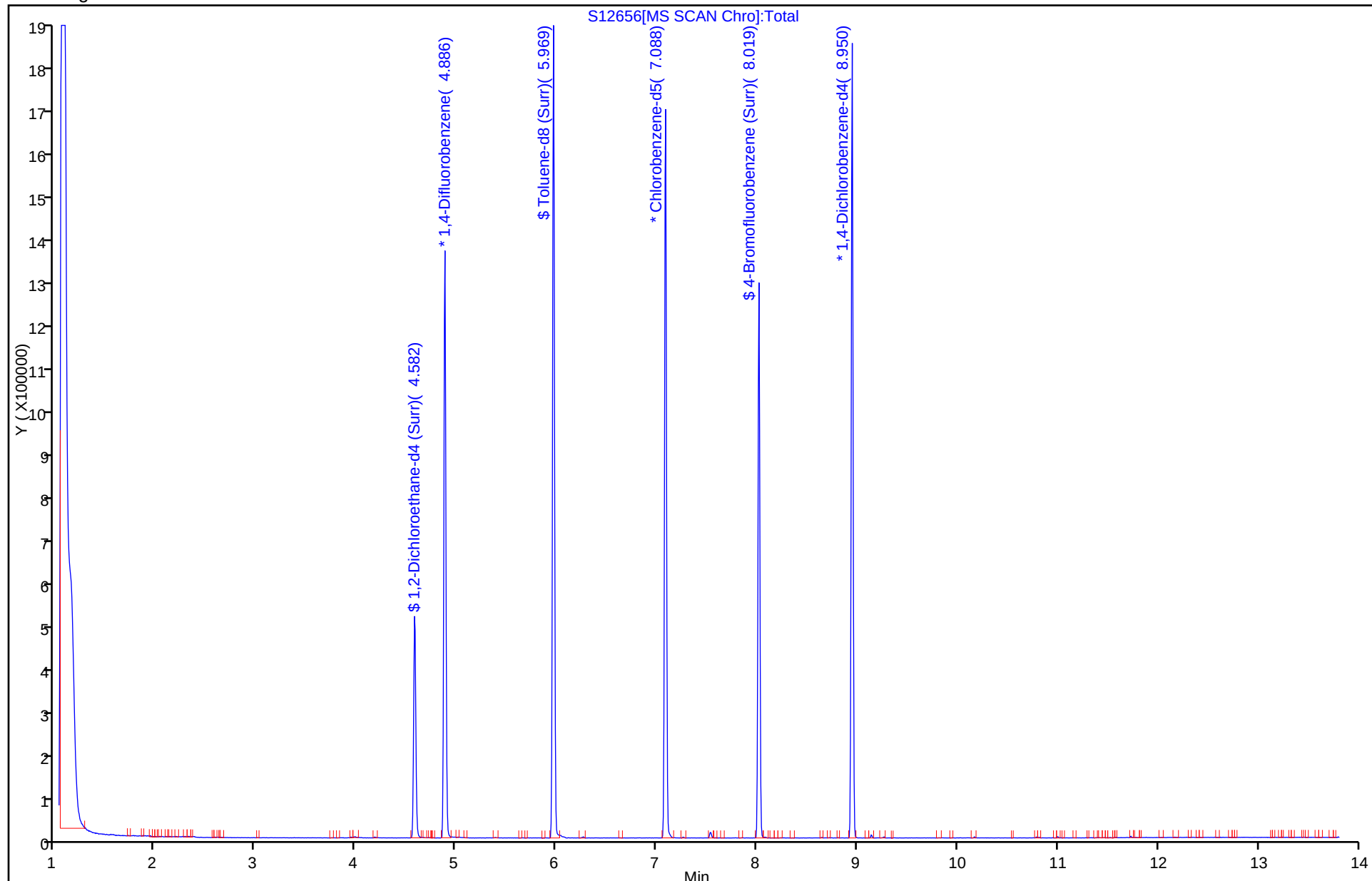
Lims Sample ID: 19

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-8R Lab Sample ID: 480-18001-4

Matrix: Ground Water Lab File ID: S12657.D

Analysis Method: 8260B Date Collected: 04/03/2012 12:15

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2012 05:18

Soil Aliquot Vol: _____ Dilution Factor: 2000

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620
79-00-5	1,1,2-Trichloroethane	ND		2000	460
75-34-3	1,1-Dichloroethane	ND		2000	760
75-35-4	1,1-Dichloroethene	ND		2000	580
120-82-1	1,2,4-Trichlorobenzene	ND		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2000	780
106-93-4	1,2-Dibromoethane	ND		2000	1500
95-50-1	1,2-Dichlorobenzene	ND		2000	1600
107-06-2	1,2-Dichloroethane	ND		2000	420
78-87-5	1,2-Dichloropropane	ND		2000	1400
541-73-1	1,3-Dichlorobenzene	ND		2000	1600
106-46-7	1,4-Dichlorobenzene	ND		2000	1700
78-93-3	2-Butanone (MEK)	ND		20000	2600
591-78-6	2-Hexanone	ND		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	4200
67-64-1	Acetone	ND		20000	6000
71-43-2	Benzene	ND		2000	820
75-27-4	Bromodichloromethane	ND		2000	780
75-25-2	Bromoform	ND		2000	520
74-83-9	Bromomethane	ND		2000	1400
75-15-0	Carbon disulfide	ND		2000	380
56-23-5	Carbon tetrachloride	ND		2000	540
108-90-7	Chlorobenzene	ND		2000	1500
75-00-3	Chloroethane	ND		2000	640
67-66-3	Chloroform	ND		2000	680
74-87-3	Chloromethane	ND		2000	700
156-59-2	cis-1,2-Dichloroethene	54000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	ND		2000	720
110-82-7	Cyclohexane	ND		2000	360
124-48-1	Dibromochloromethane	ND		2000	640
75-71-8	Dichlorodifluoromethane	ND		2000	1400
100-41-4	Ethylbenzene	ND		2000	1500
98-82-8	Isopropylbenzene	ND		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-8R Lab Sample ID: 480-18001-4
 Matrix: Ground Water Lab File ID: S12657.D
 Analysis Method: 8260B Date Collected: 04/03/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 05:18
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2000	1000
1634-04-4	Methyl tert-butyl ether	ND		2000	320
108-87-2	Methylcyclohexane	ND		2000	320
75-09-2	Methylene Chloride	ND		2000	880
100-42-5	Styrene	ND		2000	1500
127-18-4	Tetrachloroethene	ND		2000	720
108-88-3	Toluene	ND		2000	1000
156-60-5	trans-1,2-Dichloroethene	ND		2000	1800
10061-02-6	trans-1,3-Dichloropropene	ND		2000	740
79-01-6	Trichloroethene	99000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	2600		2000	1800
1330-20-7	Xylenes, Total	ND		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
2037-26-5	Toluene-d8 (Surr)	123		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12657.D
 Lims ID: 480-18001-A-4 Client ID: MW-8R
 Inject. Date: 05-Apr-2012 05:18:30 Dil. Factor: 2000.0000
 Sample Type: Client
 Sample ID: 480-18001-A-4
 Misc. Info.: 480-0010730-020 =480-0010730-020
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 47
 Lims Batch ID: 58178 Lims Sample ID: 20
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:17:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	833757	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	431164	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	380599	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	152804	30.1	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	990004	30.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	267597	27.9	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.455	1.455	0.0	21	11446	1.30	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	255398	27.0	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.637					
62 Trichloroethene	95	5.062	5.056	0.006	93	448358	49.5	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:17:38

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12657.D

Injection Date: 05-Apr-2012 05:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973S

Lims Batch ID: 58178

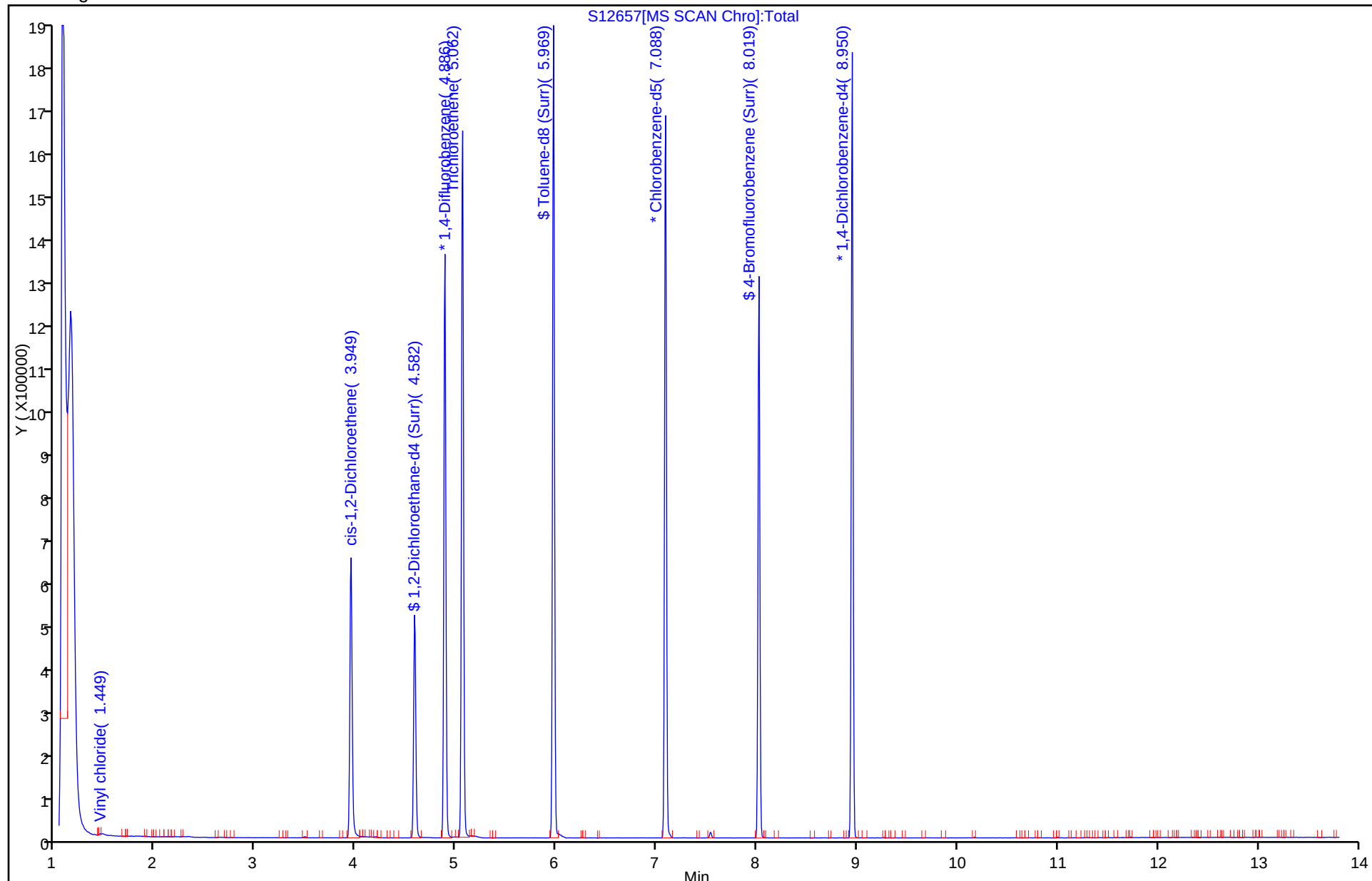
Lims Sample ID: 20

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 05-Apr-2012 10:17:38

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 05:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973S

Lims Batch ID: 58178

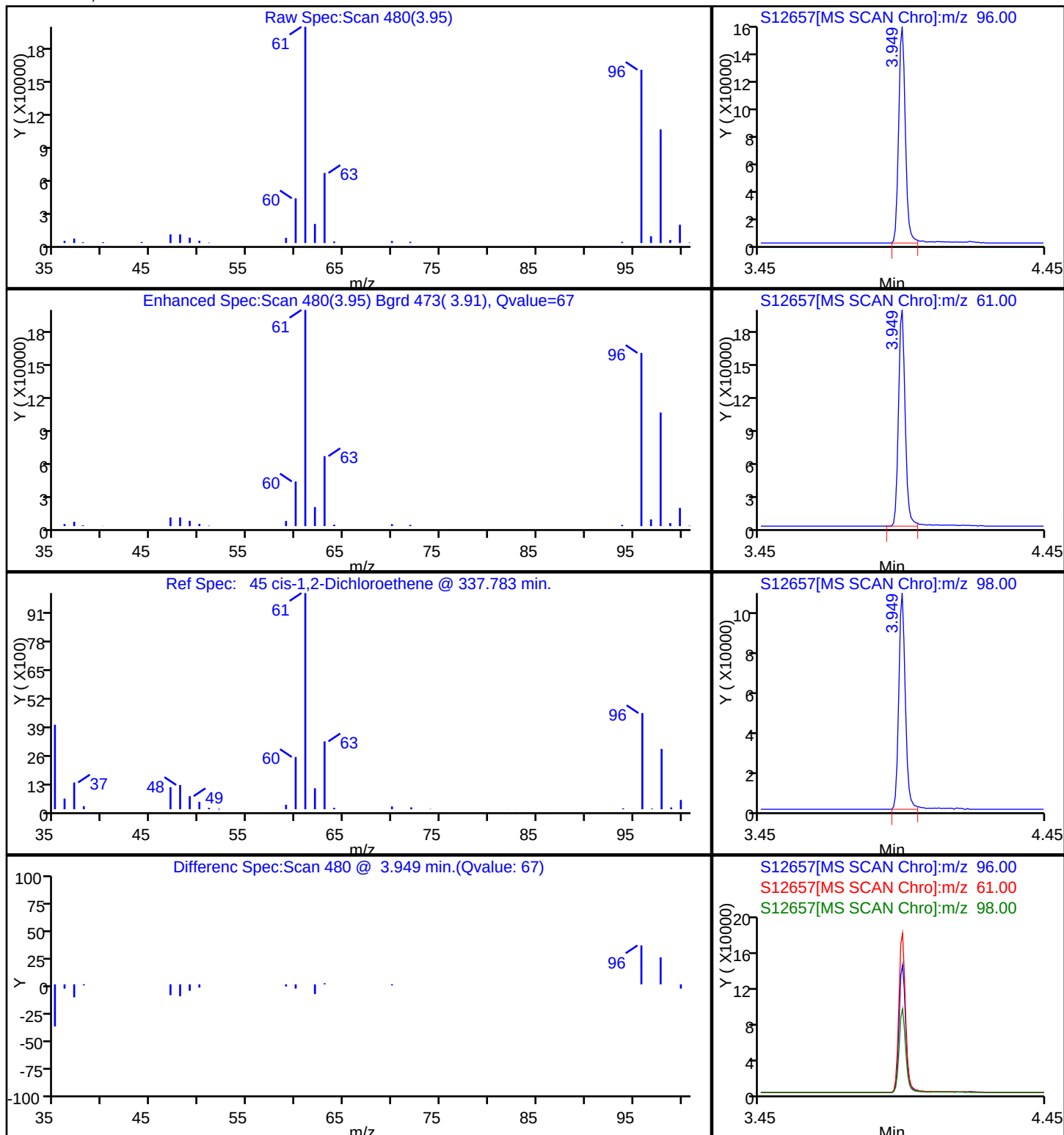
Lims Sample ID: 20

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12657.D

Injection Date: 05-Apr-2012 05:18:30

Limit Group: MV - 8260B ICAL

Client ID: MW-8R

Instrument ID: HP5973S

Lims Batch ID: 58178

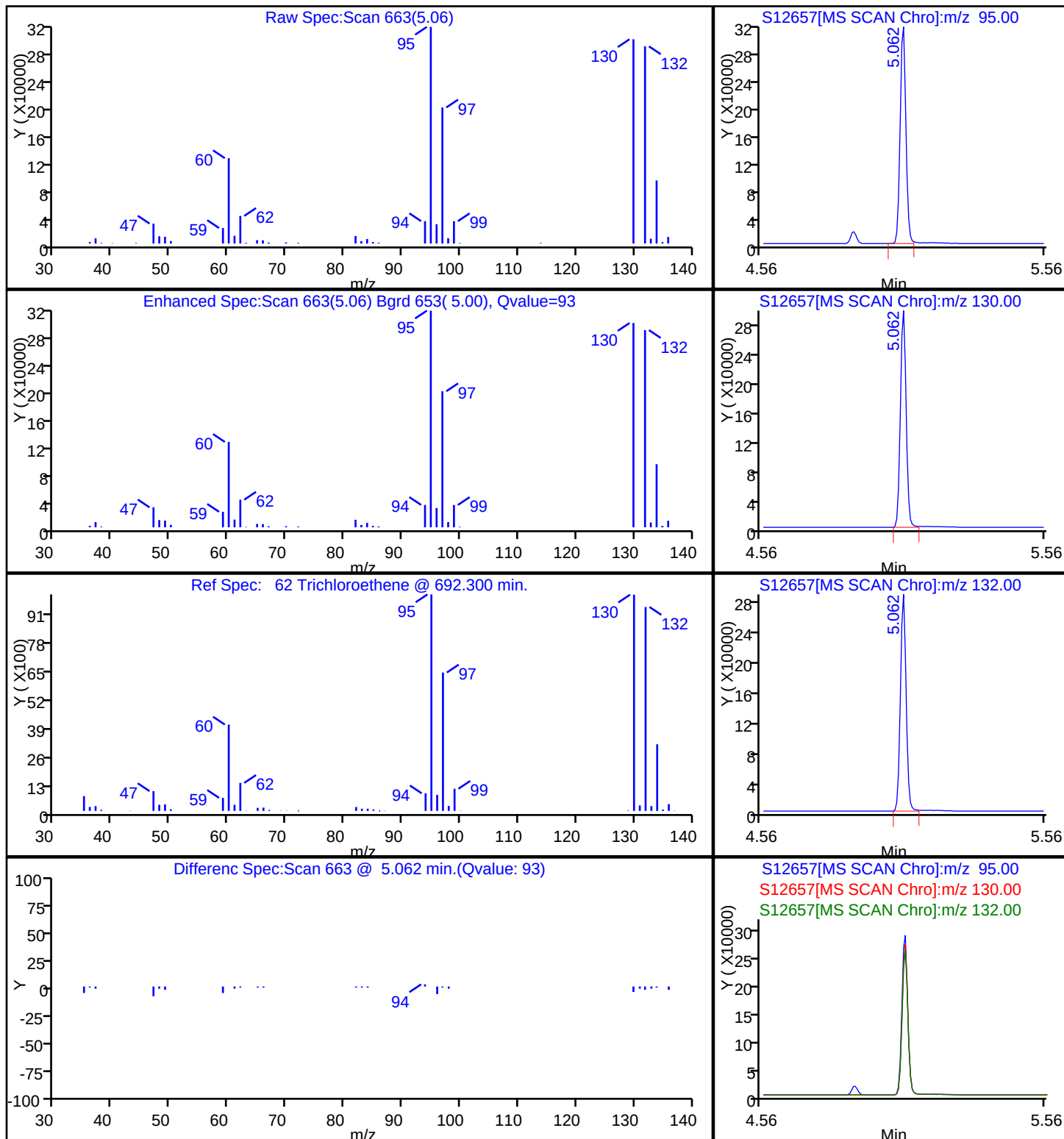
Lims Sample ID: 20

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

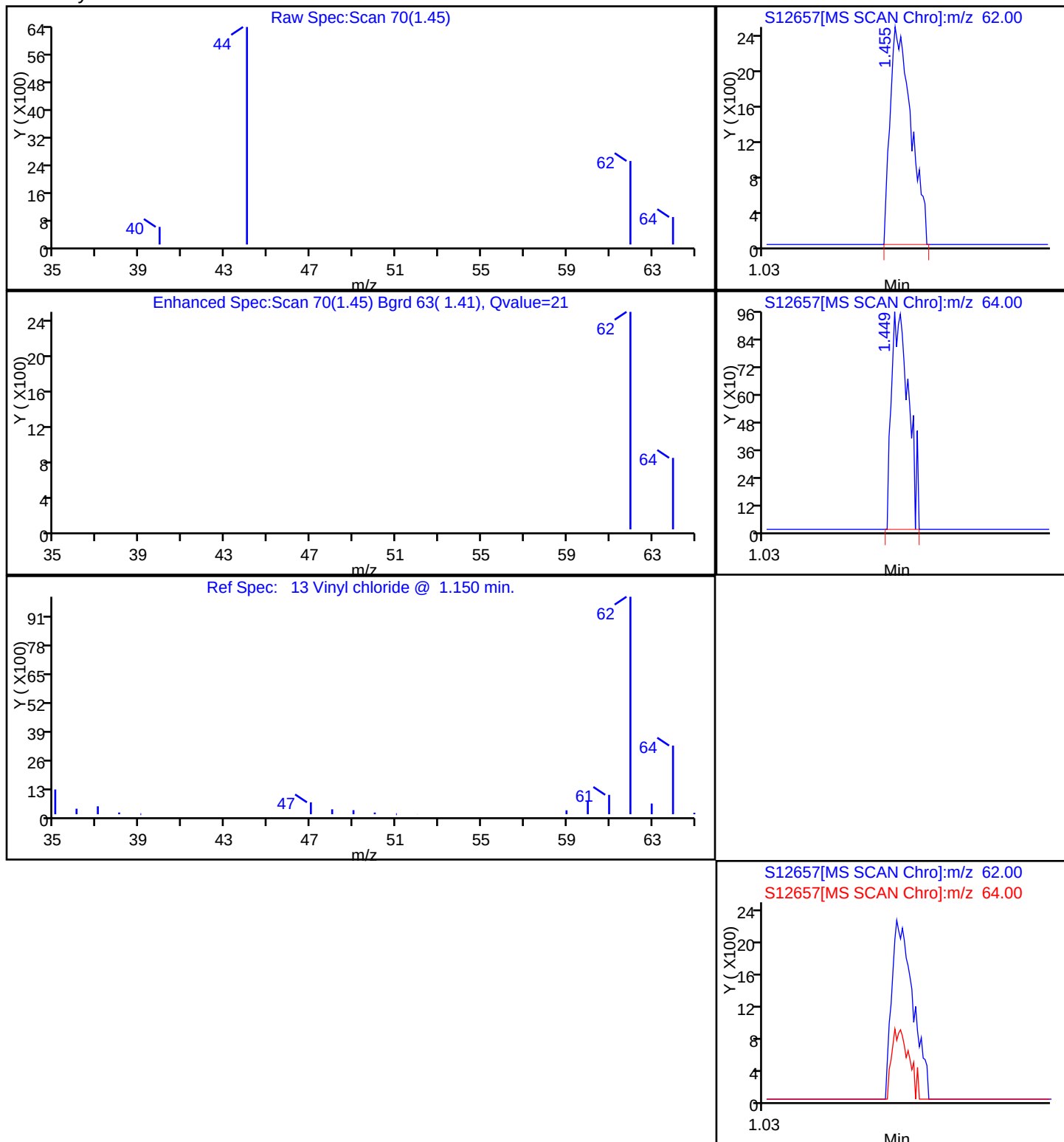
62 Trichloroethene



Report Date: 05-Apr-2012 10:17:38
Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12657.D
Injection Date: 05-Apr-2012 05:18:30
Client ID: MW-8R
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 20
Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-10 Lab Sample ID: 480-18001-5

Matrix: Ground Water Lab File ID: S12658.D

Analysis Method: 8260B Date Collected: 04/02/2012 14:15

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 05:40

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-10 Lab Sample ID: 480-18001-5
 Matrix: Ground Water Lab File ID: S12658.D
 Analysis Method: 8260B Date Collected: 04/02/2012 14:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 05:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12658.D
 Lims ID: 480-18001-A-5 Client ID: MW-10
 Inject. Date: 05-Apr-2012 05:40:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-5
 Misc. Info.: 480-0010730-021 =480-0010730-021
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 48
 Lims Batch ID: 58178 Lims Sample ID: 21
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:17:42

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	847691	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	85	443166	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	385115	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	154240	29.8	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1007788	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	271781	27.6	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.637					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:17:42

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12658.D

Injection Date: 05-Apr-2012 05:40:30

Limit Group: MV - 8260B ICAL

Client ID: MW-10

Instrument ID: HP5973S

Lims Batch ID: 58178

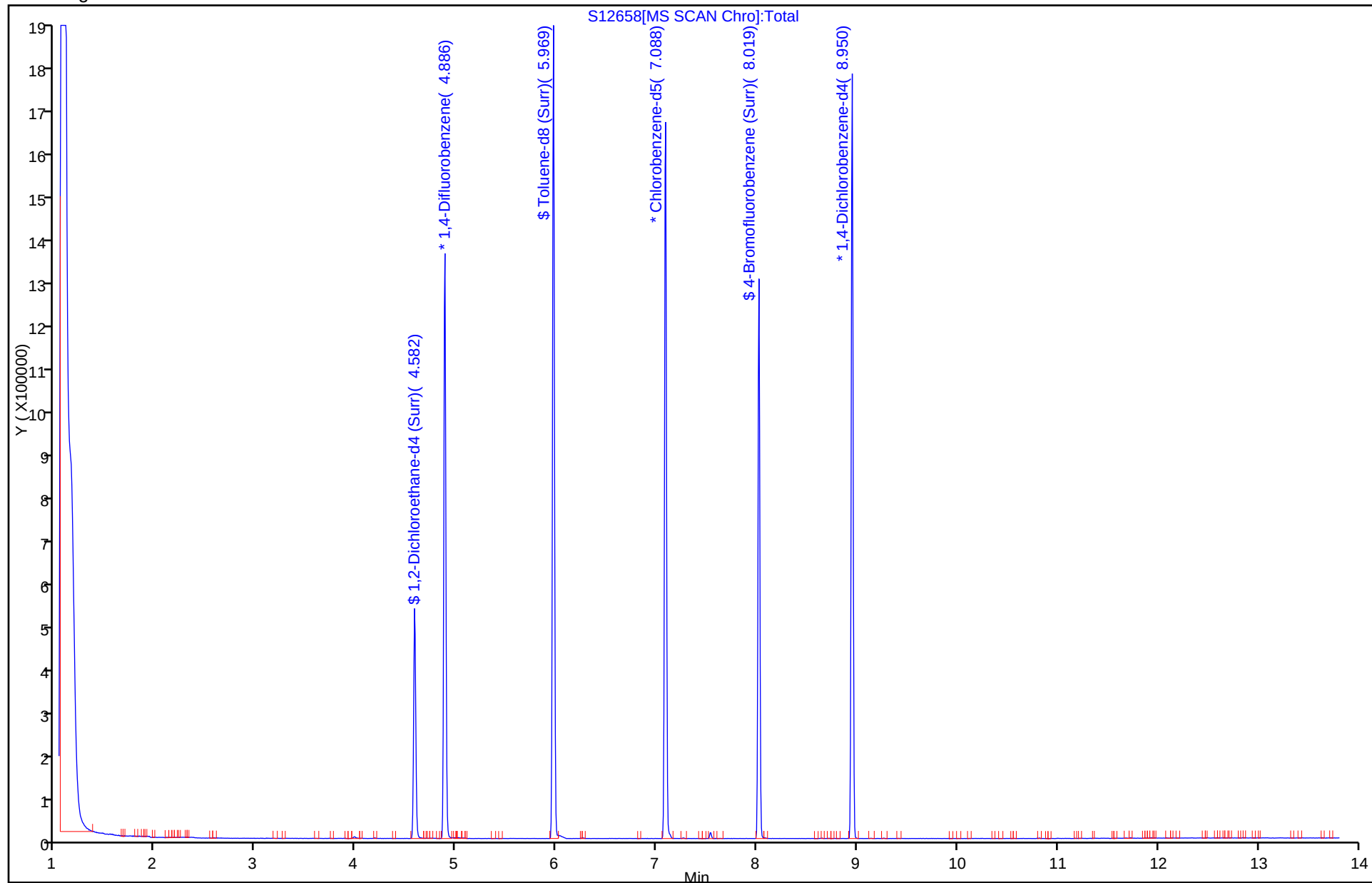
Lims Sample ID: 21

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-11 Lab Sample ID: 480-18001-6

Matrix: Ground Water Lab File ID: S12659.D

Analysis Method: 8260B Date Collected: 04/02/2012 10:25

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 06:01

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.2		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	9.8		1.0	0.38
75-35-4	1,1-Dichloroethene	1.0		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	9.1		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	39		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-11 Lab Sample ID: 480-18001-6
 Matrix: Ground Water Lab File ID: S12659.D
 Analysis Method: 8260B Date Collected: 04/02/2012 10:25
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 06:01
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	0.51	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	17		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D
 Lims ID: 480-18001-A-6 Client ID: MW-11
 Inject. Date: 05-Apr-2012 06:01:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-6
 Misc. Info.: 480-0010730-022 =480-0010730-022
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 49
 Lims Batch ID: 58178 Lims Sample ID: 22
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:17:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	843830	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	439137	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	377225	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	151292	29.4	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	981510	29.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	264054	27.0	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.467	1.455	0.012	72	149402	16.7	
14 Bromomethane	94		1.729					
15 Chloroethane	64	1.856	1.850	0.006	66	53586	9.06	
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.446					
22 1,1-Dichloroethene	96	2.471	2.471	0.0	47	8364	1.01	
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96	3.128	3.116	0.012	52	4077	0.4821	
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63	3.487	3.481	0.006	81	142550	9.76	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	369972	38.6	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	78	14720	1.19	
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.637					
62 Trichloroethene	95	5.062	5.056	0.006	70	4692	0.5116	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:17:53

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D

Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

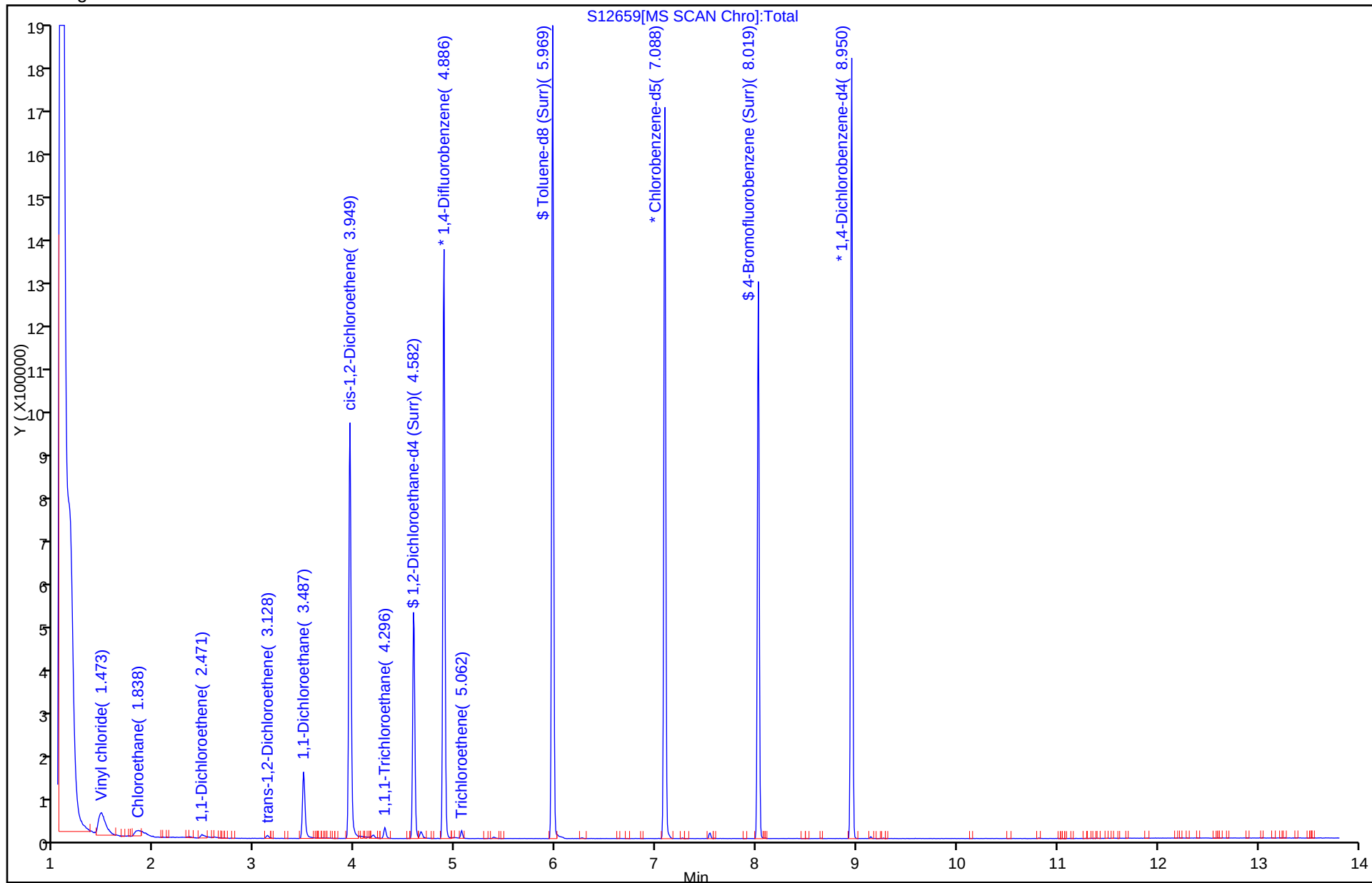
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 05-Apr-2012 10:17:54

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

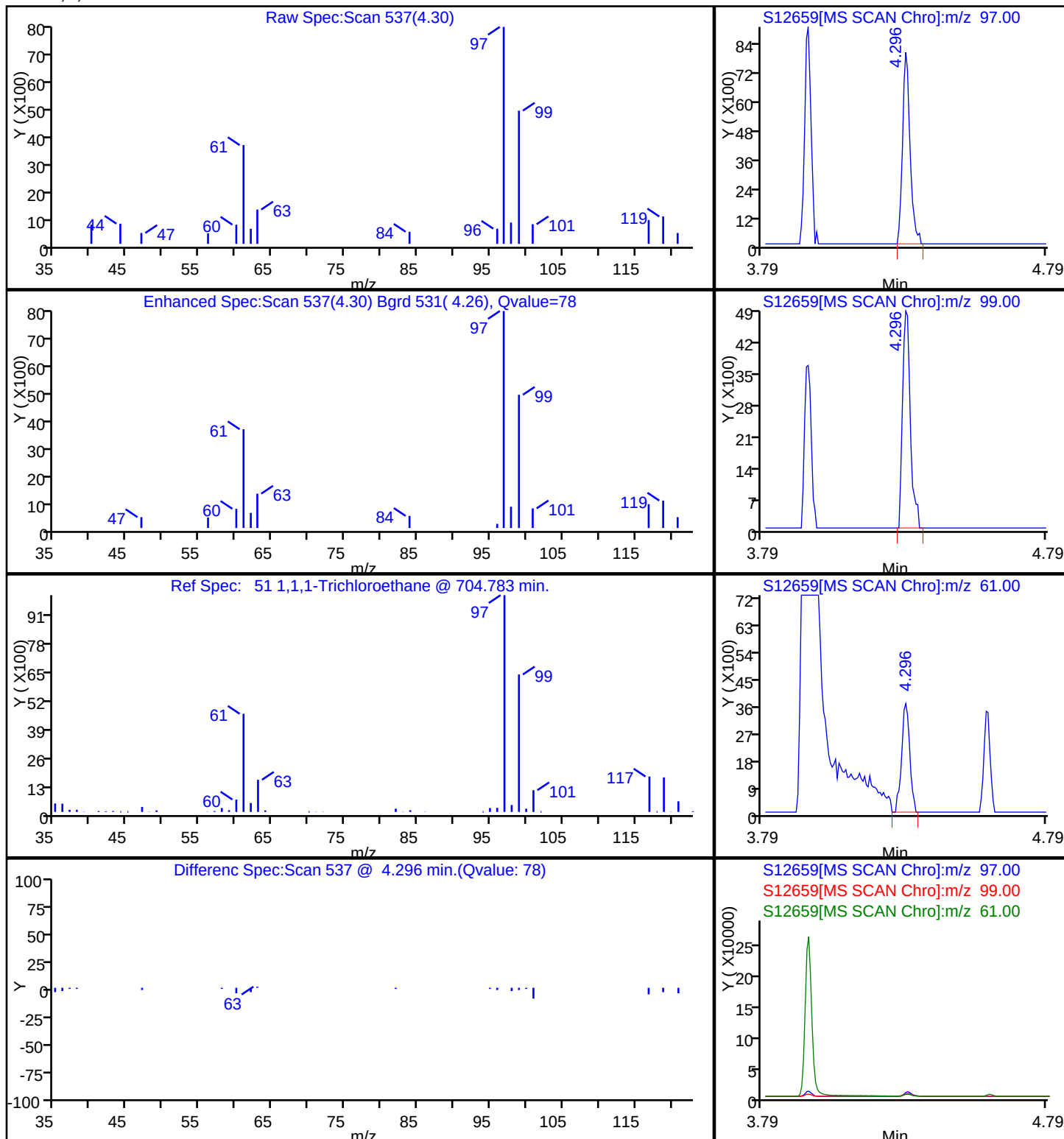
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



Report Date: 05-Apr-2012 10:17:54

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D

Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

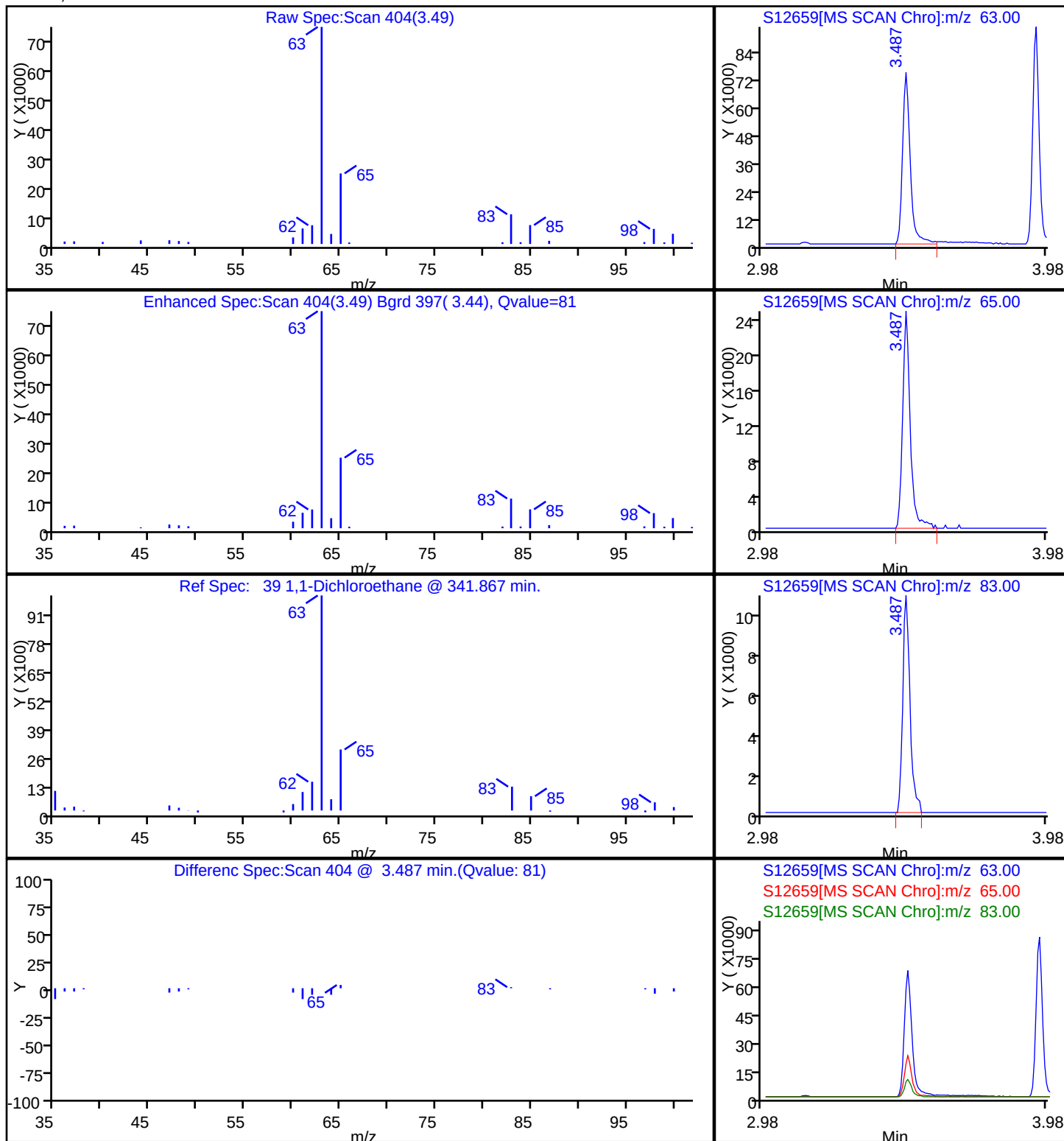
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 05-Apr-2012 10:17:53

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D

Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

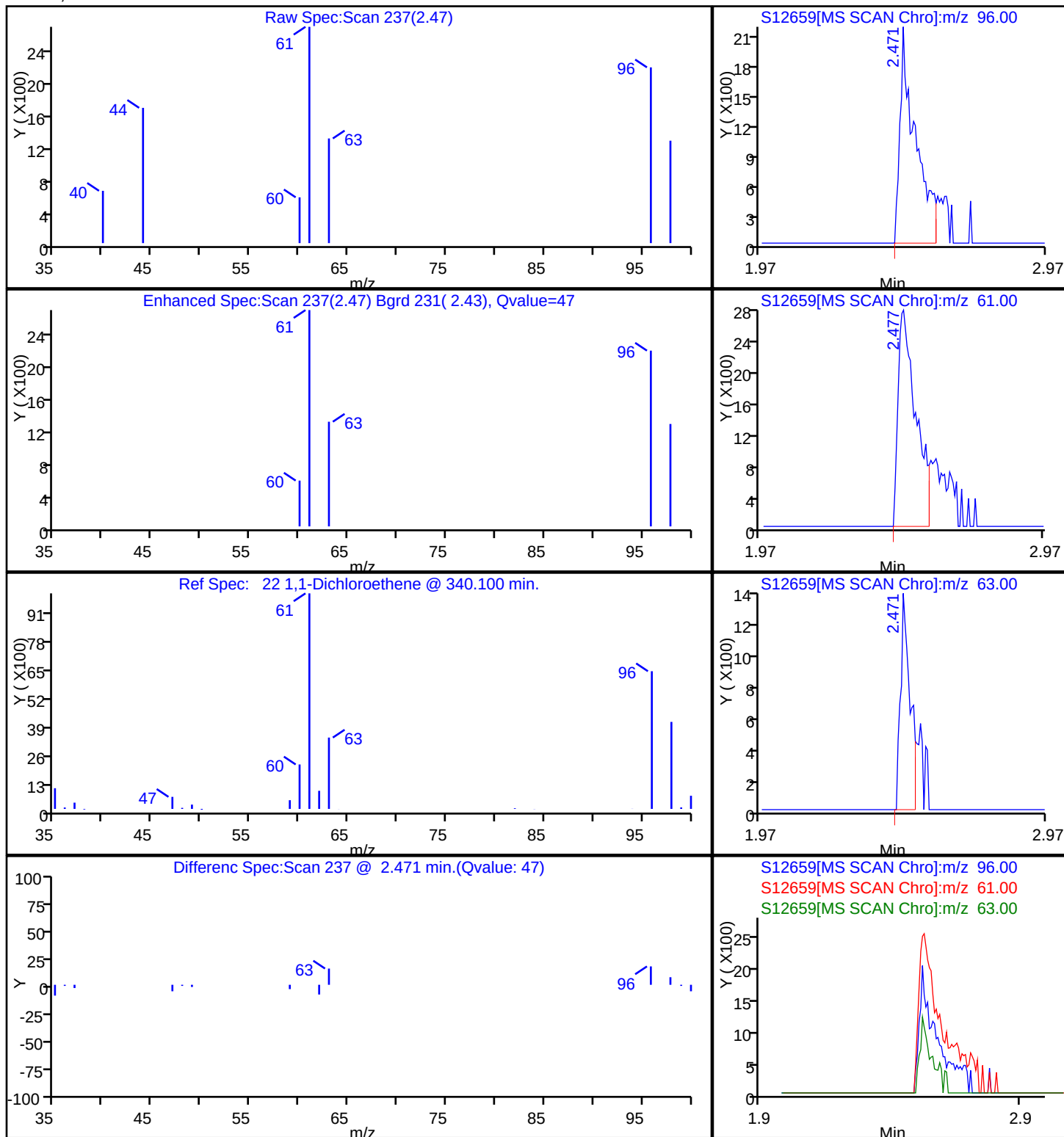
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



Report Date: 05-Apr-2012 10:17:53

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D

Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

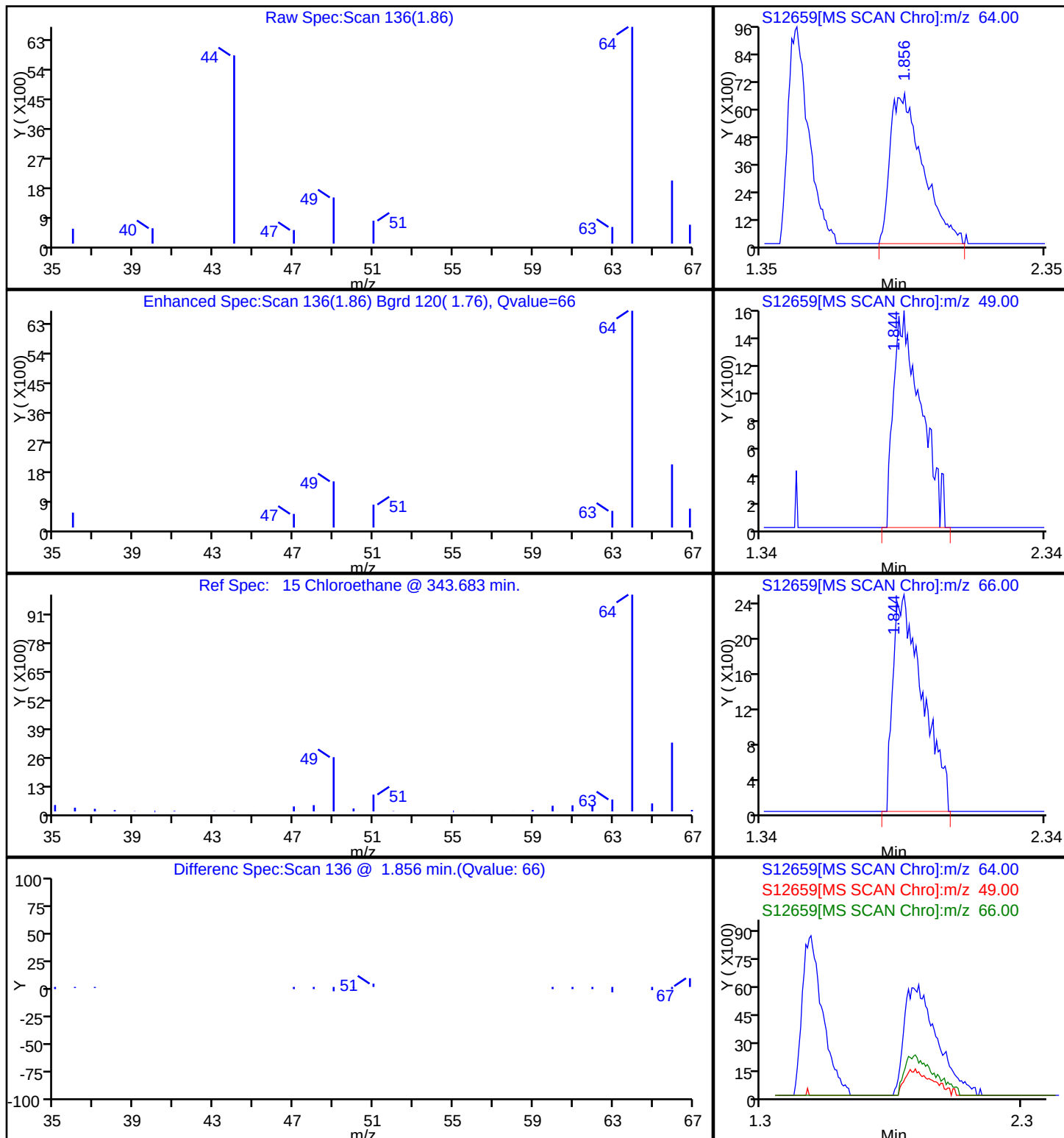
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 05-Apr-2012 10:17:54

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D

Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

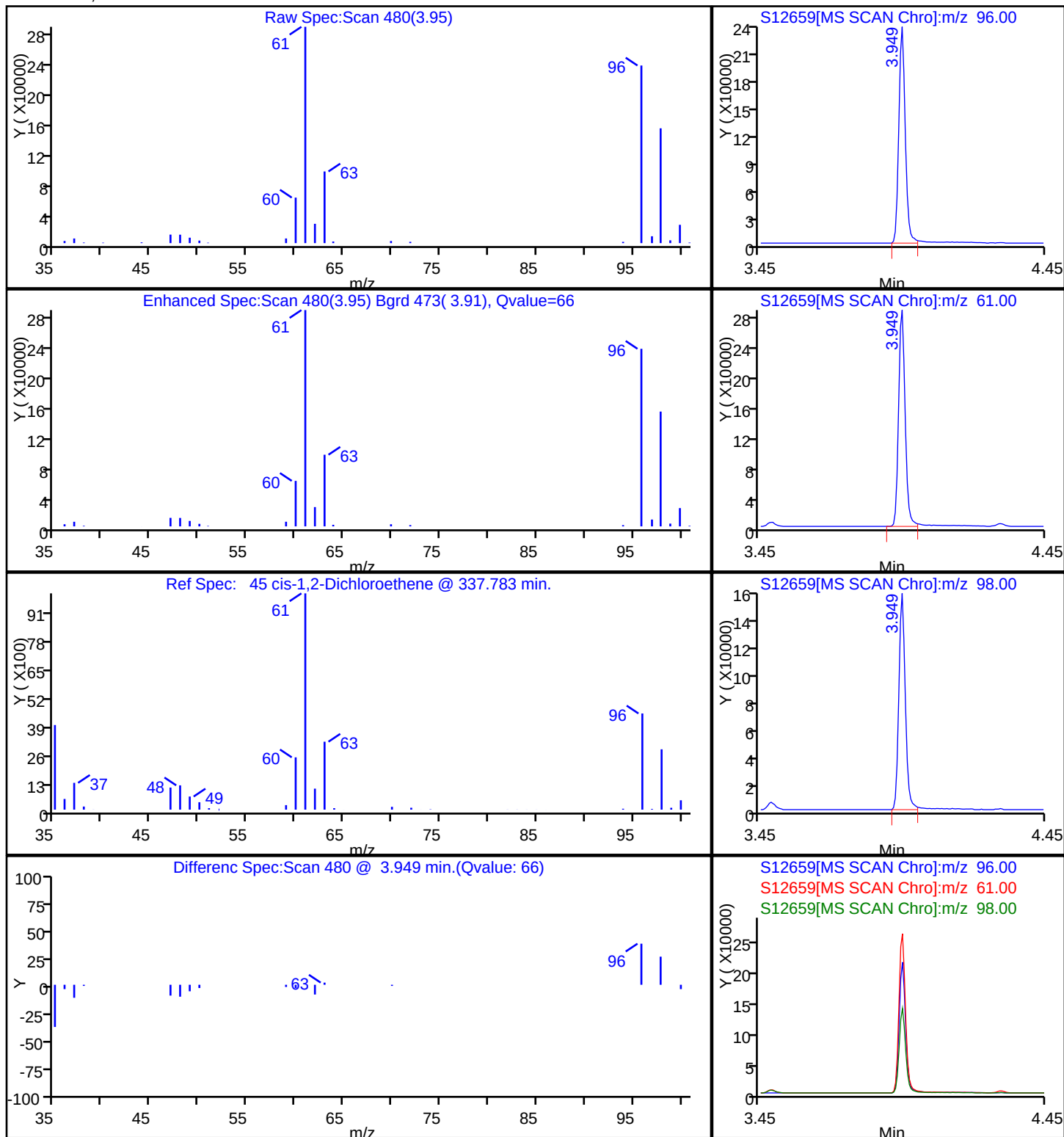
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Data File:

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Injection Date: 05-Apr-2012 06:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-11

Instrument ID: HP5973S

Lims Batch ID: 58178

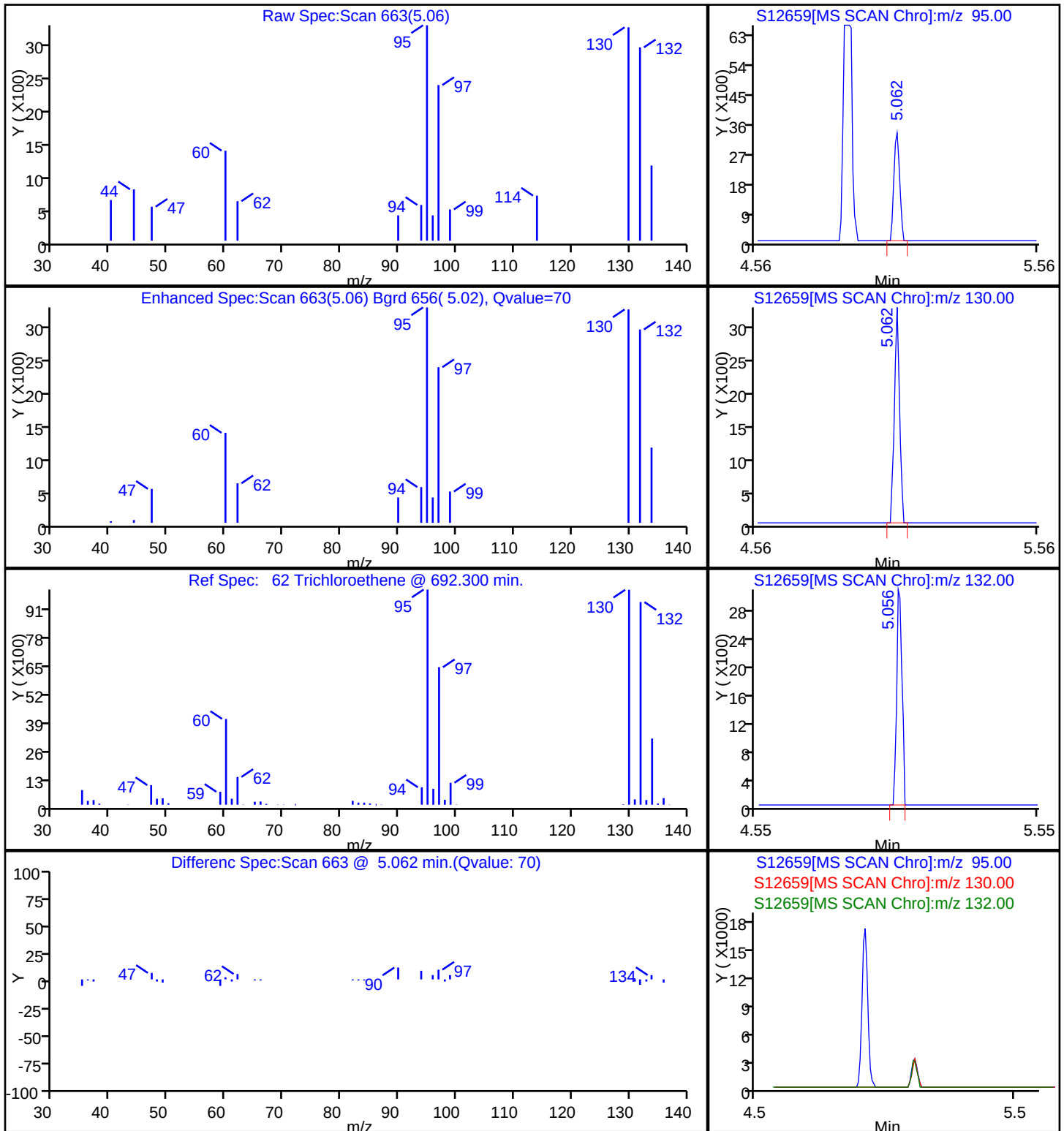
Lims Sample ID: 22

Operator ID: RAL

Column Type: ZB-624

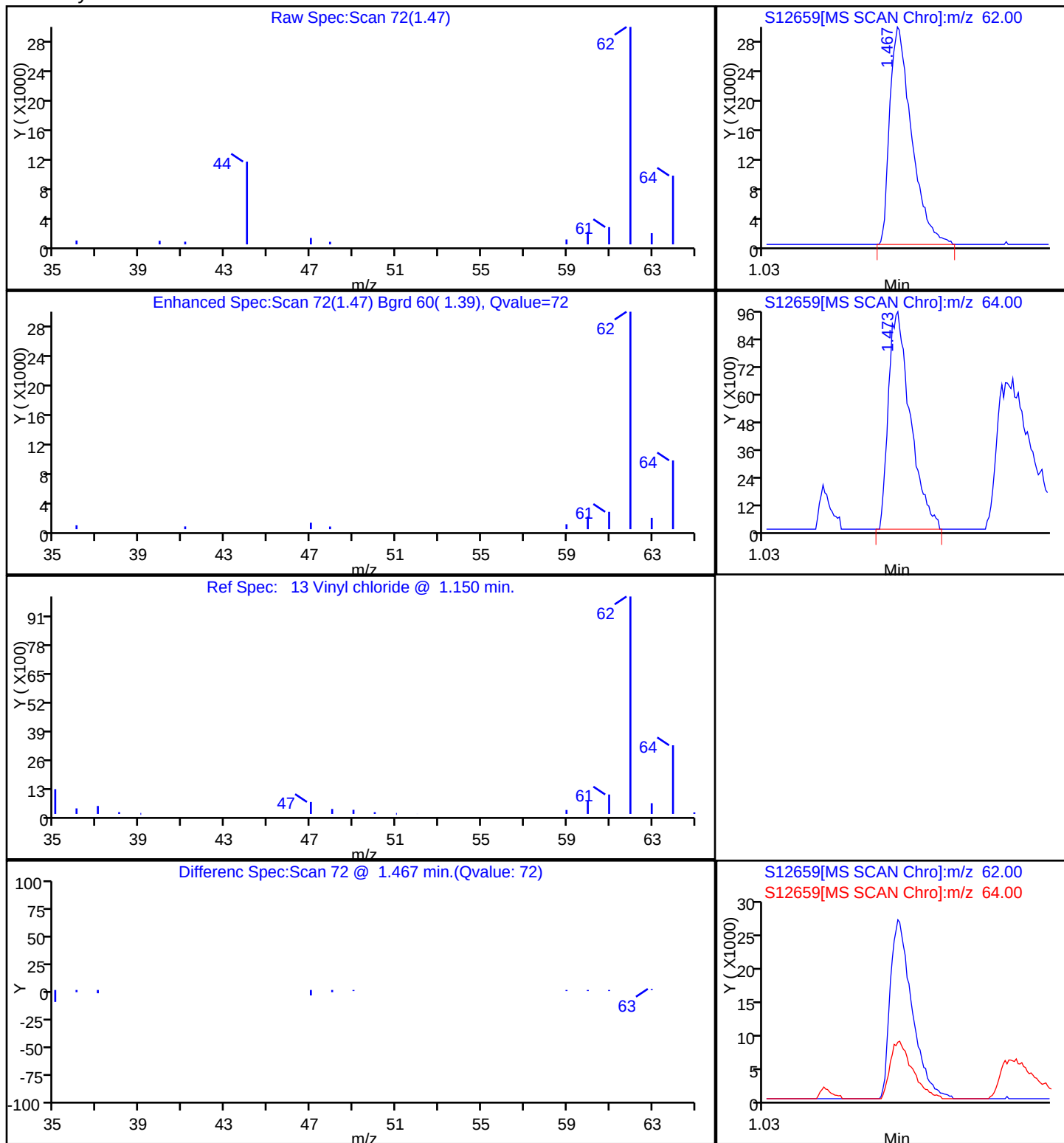
Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 05-Apr-2012 10:17:53
Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12659.D
Injection Date: 05-Apr-2012 06:01:30
Client ID: MW-11
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 22
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-12 Lab Sample ID: 480-18001-7

Matrix: Ground Water Lab File ID: S12660.D

Analysis Method: 8260B Date Collected: 04/02/2012 12:55

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 06:22

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	0.41	J	1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	1.5		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	17		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-12 Lab Sample ID: 480-18001-7
 Matrix: Ground Water Lab File ID: S12660.D
 Analysis Method: 8260B Date Collected: 04/02/2012 12:55
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 06:22
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12660.D
 Lims ID: 480-18001-A-7 Client ID: MW-12
 Inject. Date: 05-Apr-2012 06:22:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-7
 Misc. Info.: 480-0010730-023 =480-0010730-023
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 50
 Lims Batch ID: 58178 Lims Sample ID: 23
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:18:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	94	849201	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	438750	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	379220	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	151101	29.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	990593	30.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	268801	27.6	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.461	1.455	0.006	20	7824	0.8692	
14 Bromomethane	94		1.729					
15 Chloroethane	64	1.838	1.850	-0.012	85	98906	16.6	
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43	2.592	2.586	0.006	64	4913	1.47	
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	48	54284	1.47	
58 1,2-Dichloroethane	62	4.637	4.637	0.001	1	5182	0.4077	
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 10:18:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12660.D

Injection Date: 05-Apr-2012 06:22:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973S

Lims Batch ID: 58178

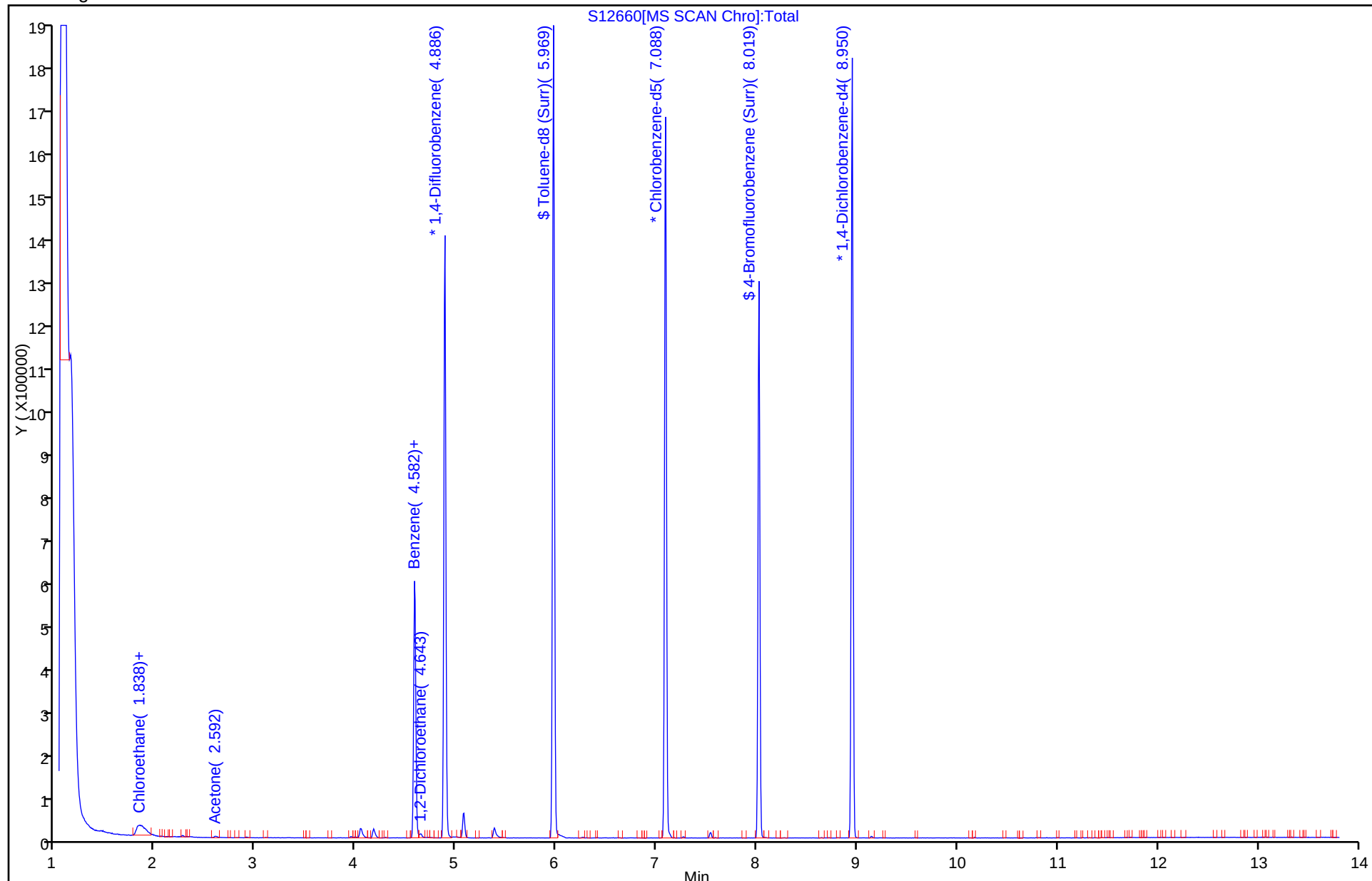
Lims Sample ID: 23

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12660.D

Injection Date: 05-Apr-2012 06:22:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973S

Lims Batch ID: 58178

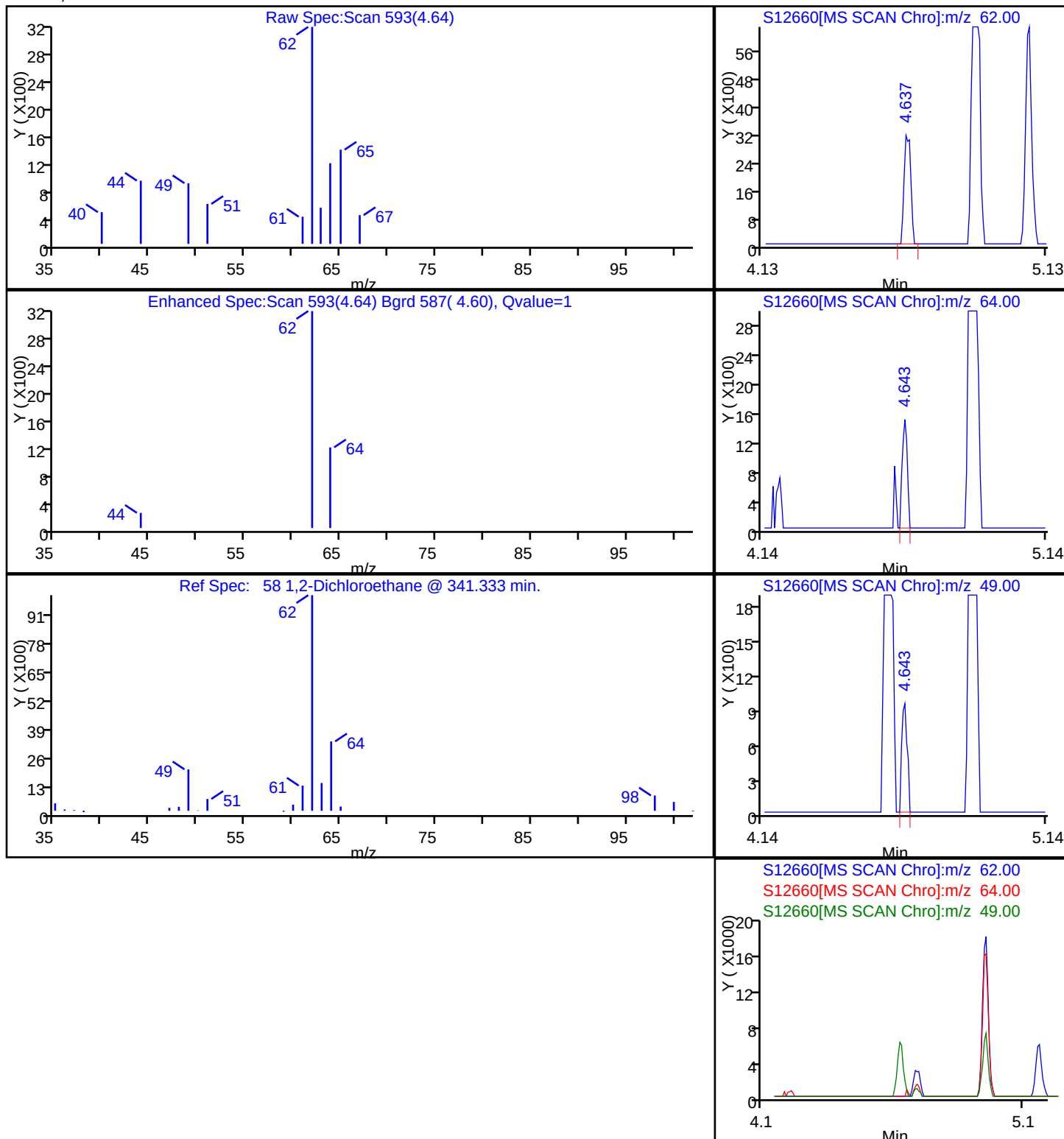
Lims Sample ID: 23

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

58 1,2-Dichloroethane



Report Date: 05-Apr-2012 10:18:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12660.D

Injection Date: 05-Apr-2012 06:22:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973S

Lims Batch ID: 58178

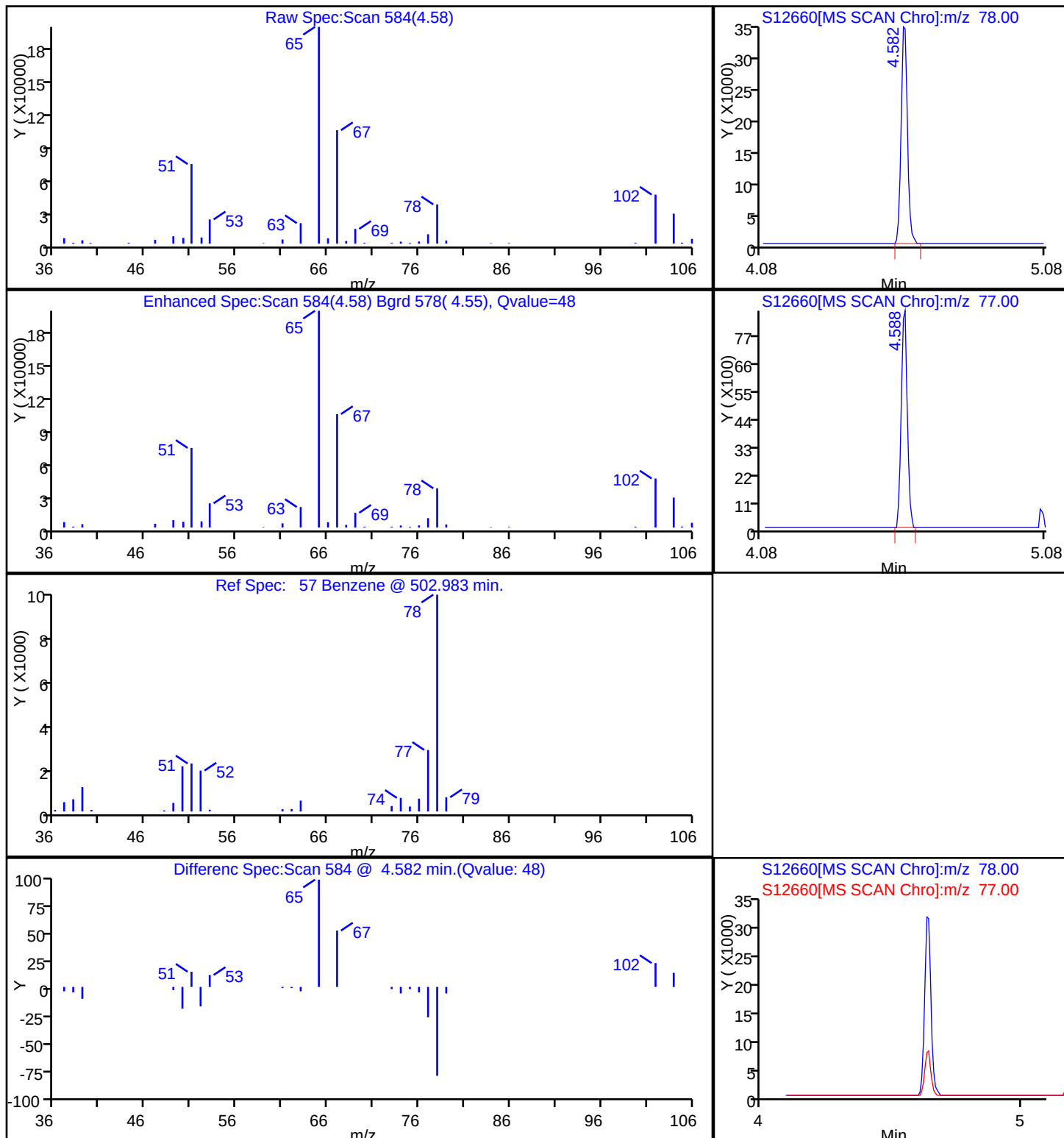
Lims Sample ID: 23

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 05-Apr-2012 10:18:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12660.D

Injection Date: 05-Apr-2012 06:22:30

Limit Group: MV - 8260B ICAL

Client ID: MW-12

Instrument ID: HP5973S

Lims Batch ID: 58178

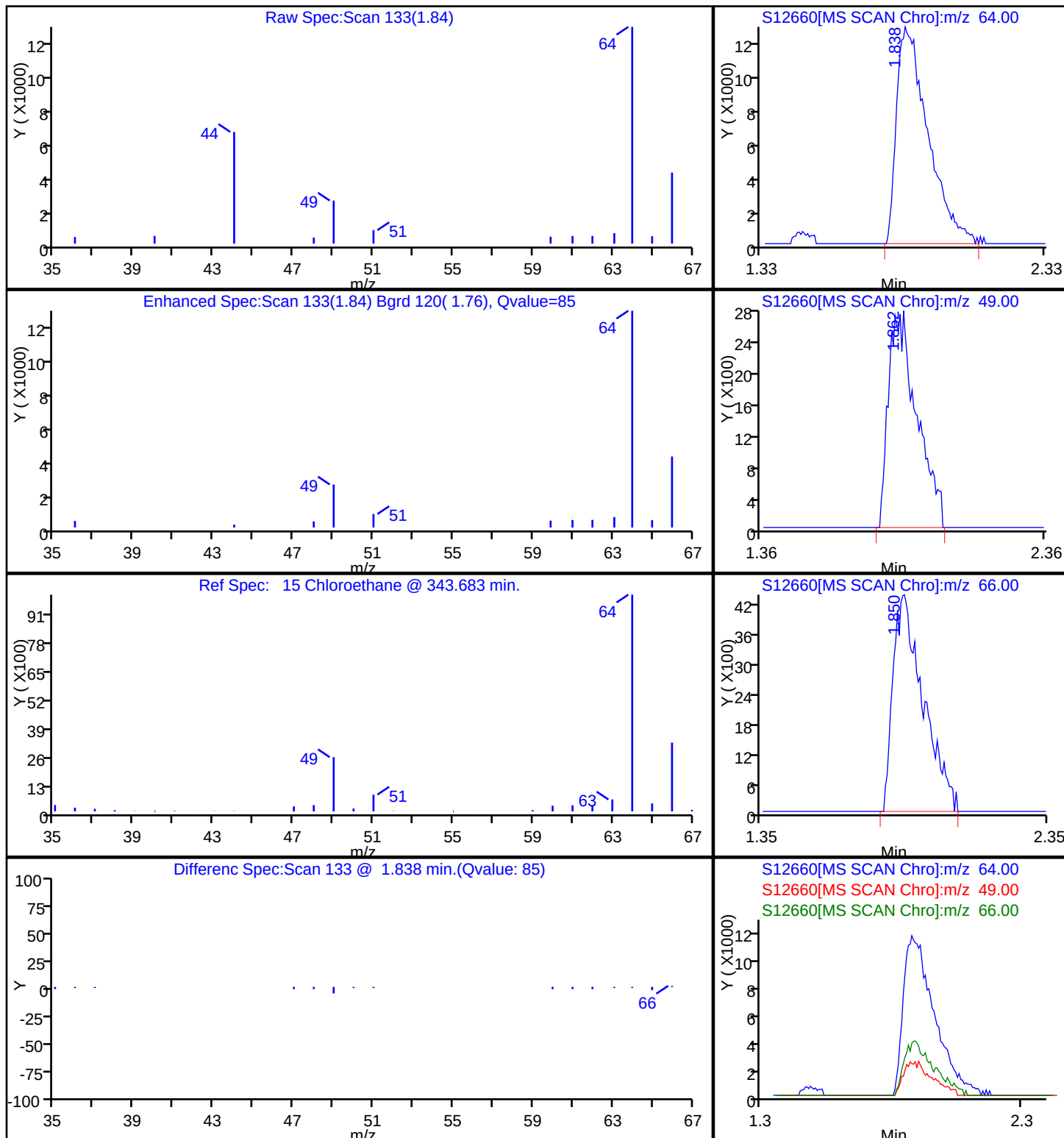
Lims Sample ID: 23

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-13S Lab Sample ID: 480-18001-8

Matrix: Ground Water Lab File ID: S12661.D

Analysis Method: 8260B Date Collected: 04/03/2012 10:10

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 06:43

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	110	E	1.0	0.38
75-35-4	1,1-Dichloroethene	180	E	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	0.52	J	1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	0.74	J	1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	3.7		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	7500	E	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-13S Lab Sample ID: 480-18001-8
 Matrix: Ground Water Lab File ID: S12661.D
 Analysis Method: 8260B Date Collected: 04/03/2012 10:10
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 06:43
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.57	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	1.9		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	230	E	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	4800	E	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	320	E	1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	119		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D
 Lims ID: 480-18001-A-8 Client ID: MW-13S
 Inject. Date: 05-Apr-2012 06:43:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-8
 Misc. Info.: 480-0010730-024 =480-0010730-024
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 51
 Lims Batch ID: 58178 Lims Sample ID: 24
 Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:21:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.892	4.886	0.006	91	842485	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	85	438979	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	387327	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.582	0.006	96	151347	29.5	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	973823	29.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	268115	27.5	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.467	1.455	0.012	84	2896320	324.3	E
14 Bromomethane	94		1.729					
15 Chloroethane	64	1.838	1.850	-0.012	40	21798	3.69	
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96	2.489	2.471	0.018	90	1457461	176.0	E
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84	2.970	2.970	0.0	17	6002	0.5684	
34 trans-1,2-Dichloroethene	96	3.146	3.116	0.030	96	1924410	227.9	E
32 Methyl tert-butyl ether	73		3.116					
39 1,1-Dichloroethane	63	3.493	3.481	0.012	84	1607159	110.2	E
45 cis-1,2-Dichloroethene	96	3.943	3.943	0.0	60	71459381	7466.6	E
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.588	4.582	0.006	42	27138	0.7383	
58 1,2-Dichloroethane	62	4.643	4.637	0.007	10	6563	0.5205	
62 Trichloroethene	95	5.081	5.056	0.025	87	44341096	4842.4	EM
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92	6.024	6.017	0.007	73	46512	1.91	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

Report Date: 05-Apr-2012 10:21:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D

Injection Date: 05-Apr-2012 06:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58178

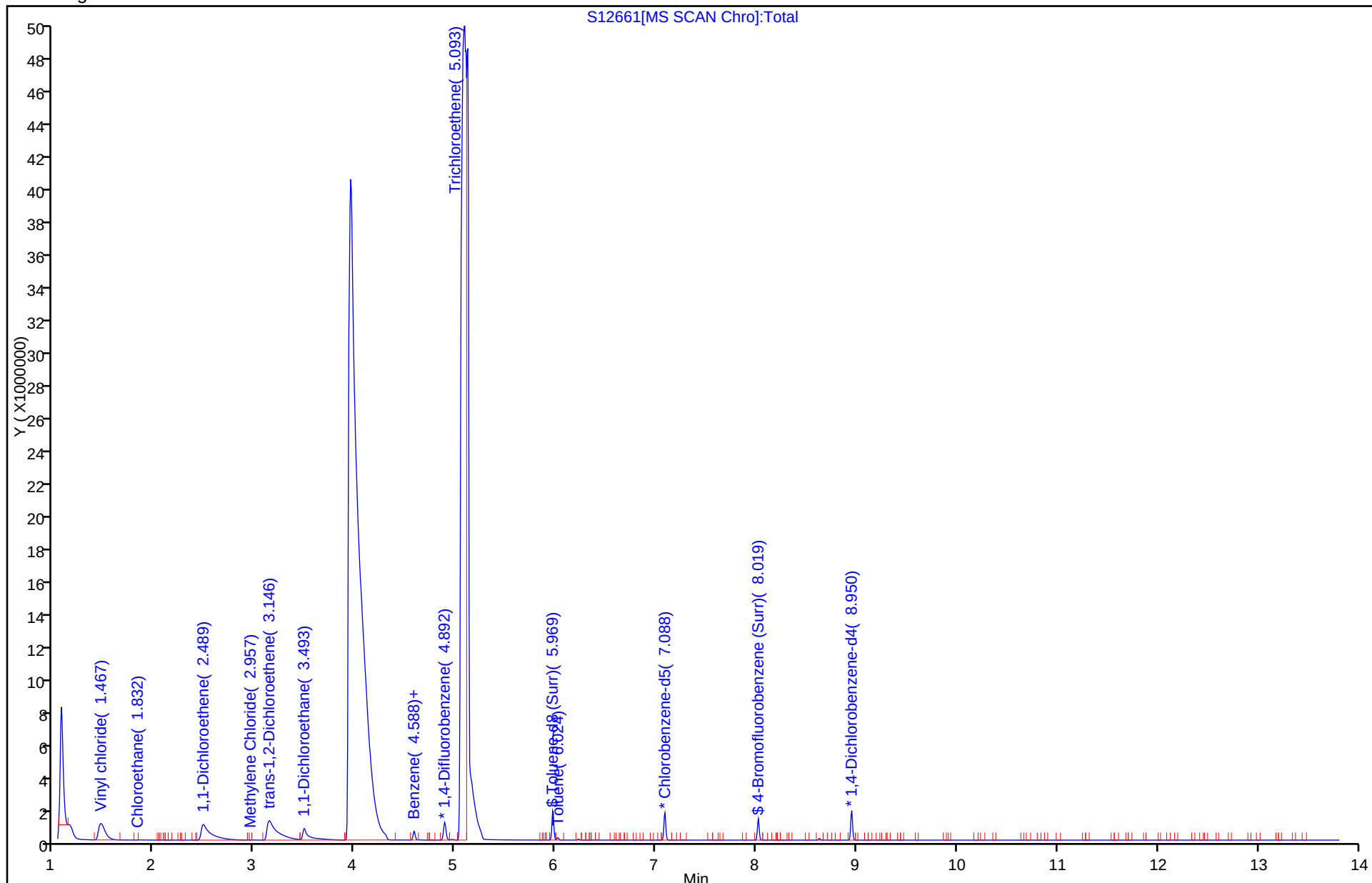
Lims Sample ID: 24

Operator ID: RAL

Column Type: ZB-624

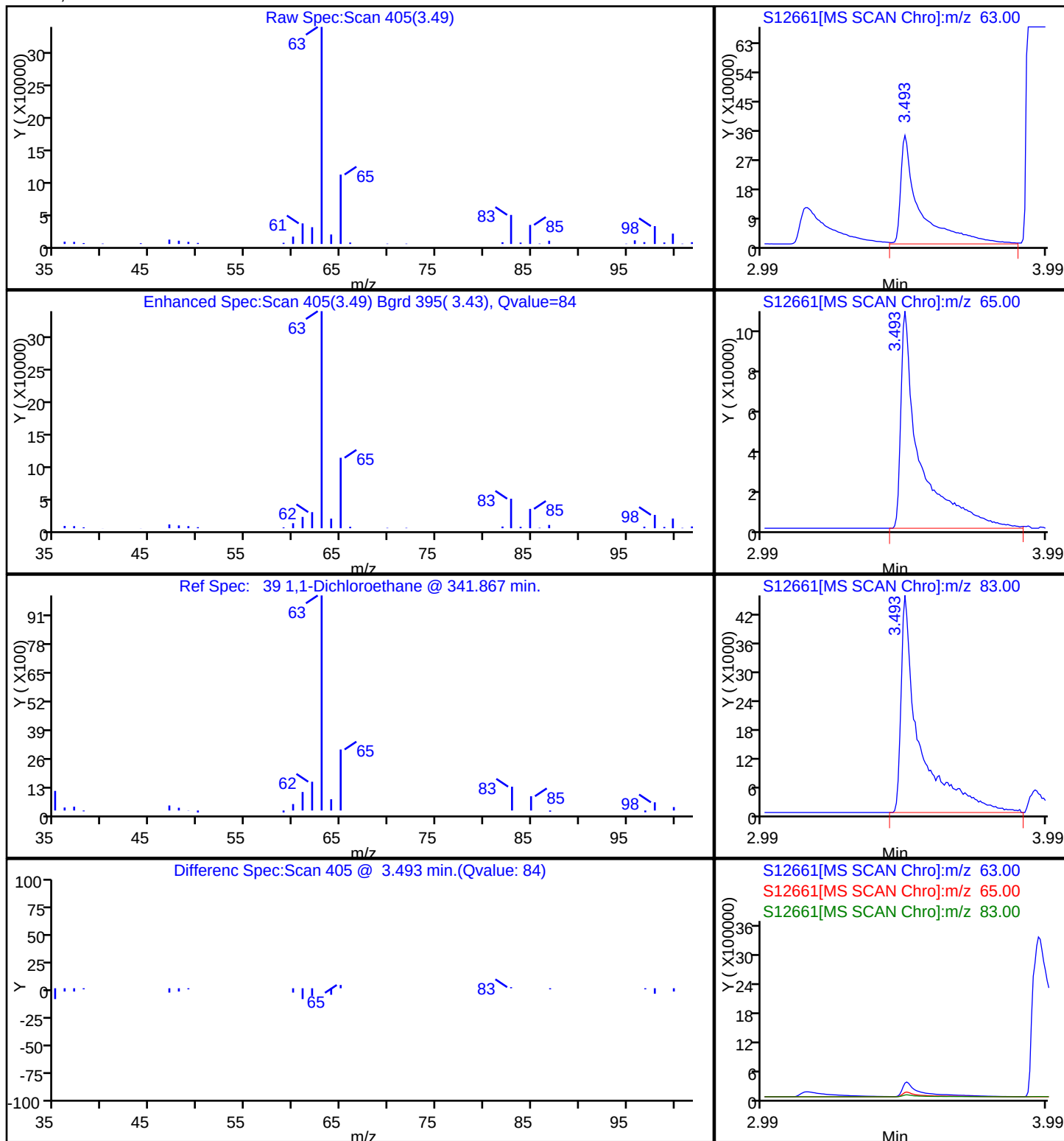
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Y Scaling:



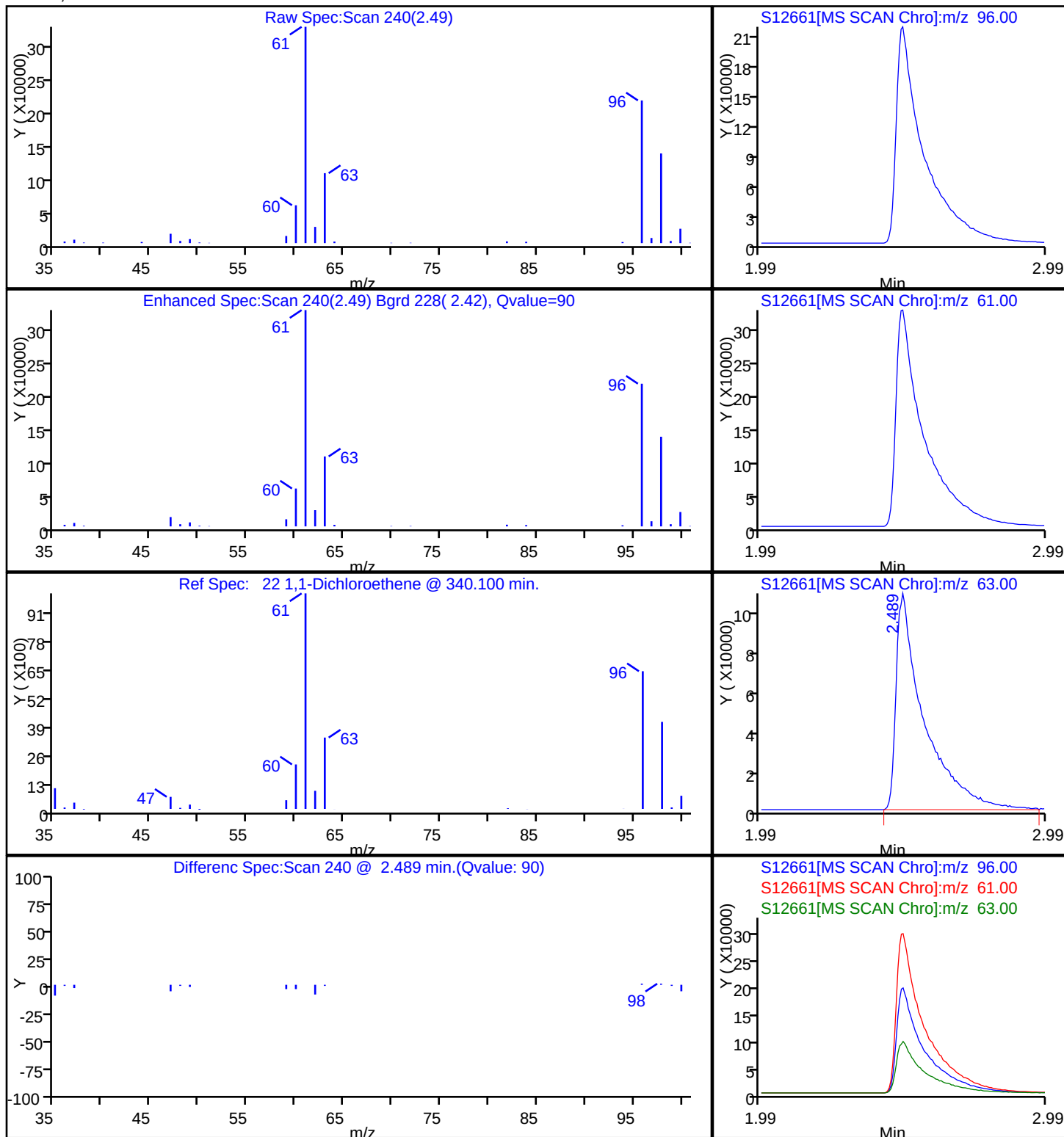
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Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
39 1,1-Dichloroethane

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm



Report Date: 05-Apr-2012 10:21:07
Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D
Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
22 1,1-Dichloroethene

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm



Report Date: 05-Apr-2012 10:21:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D

Injection Date: 05-Apr-2012 06:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58178

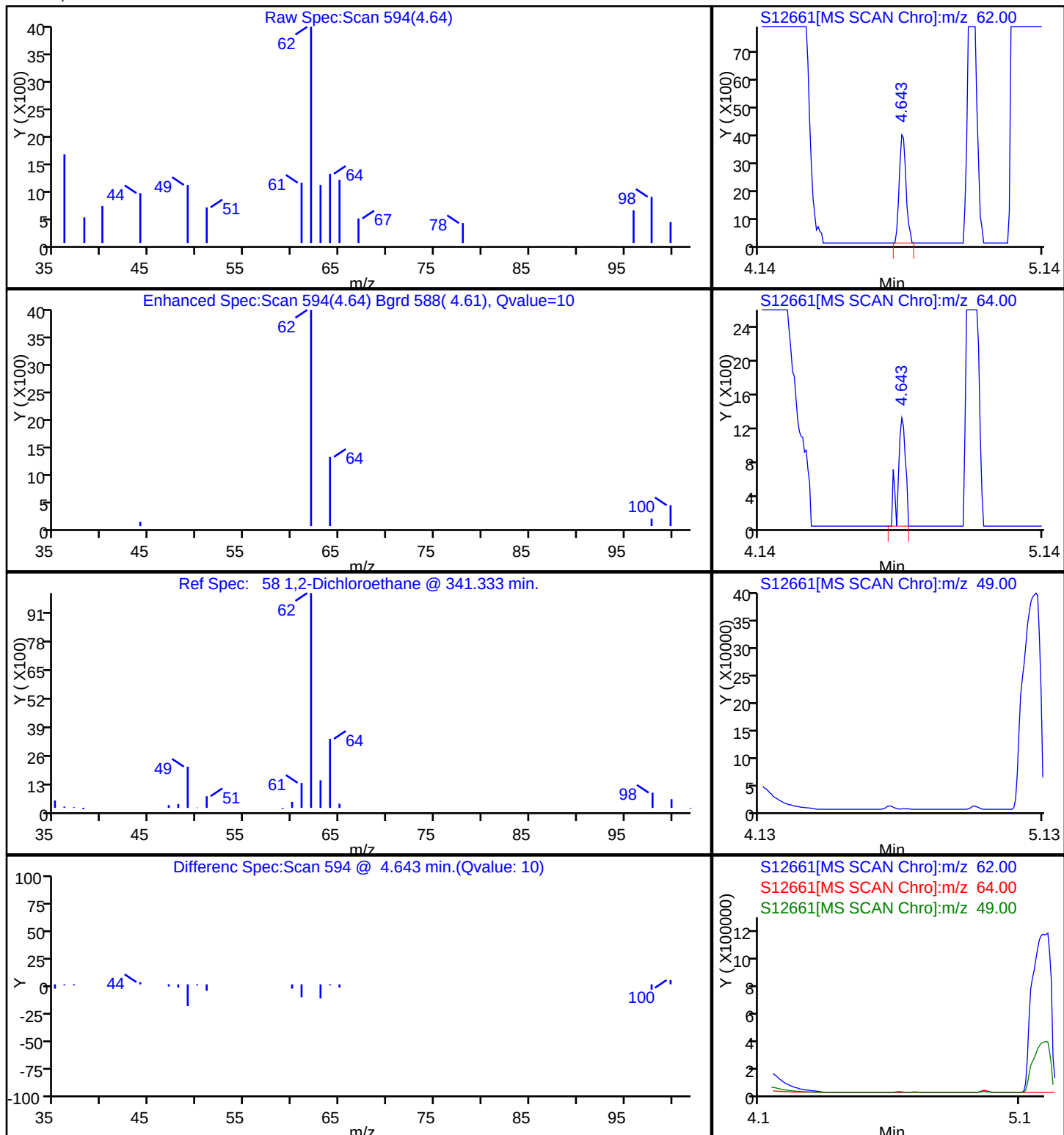
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Operator ID: RAL

Column Type: ZB-624

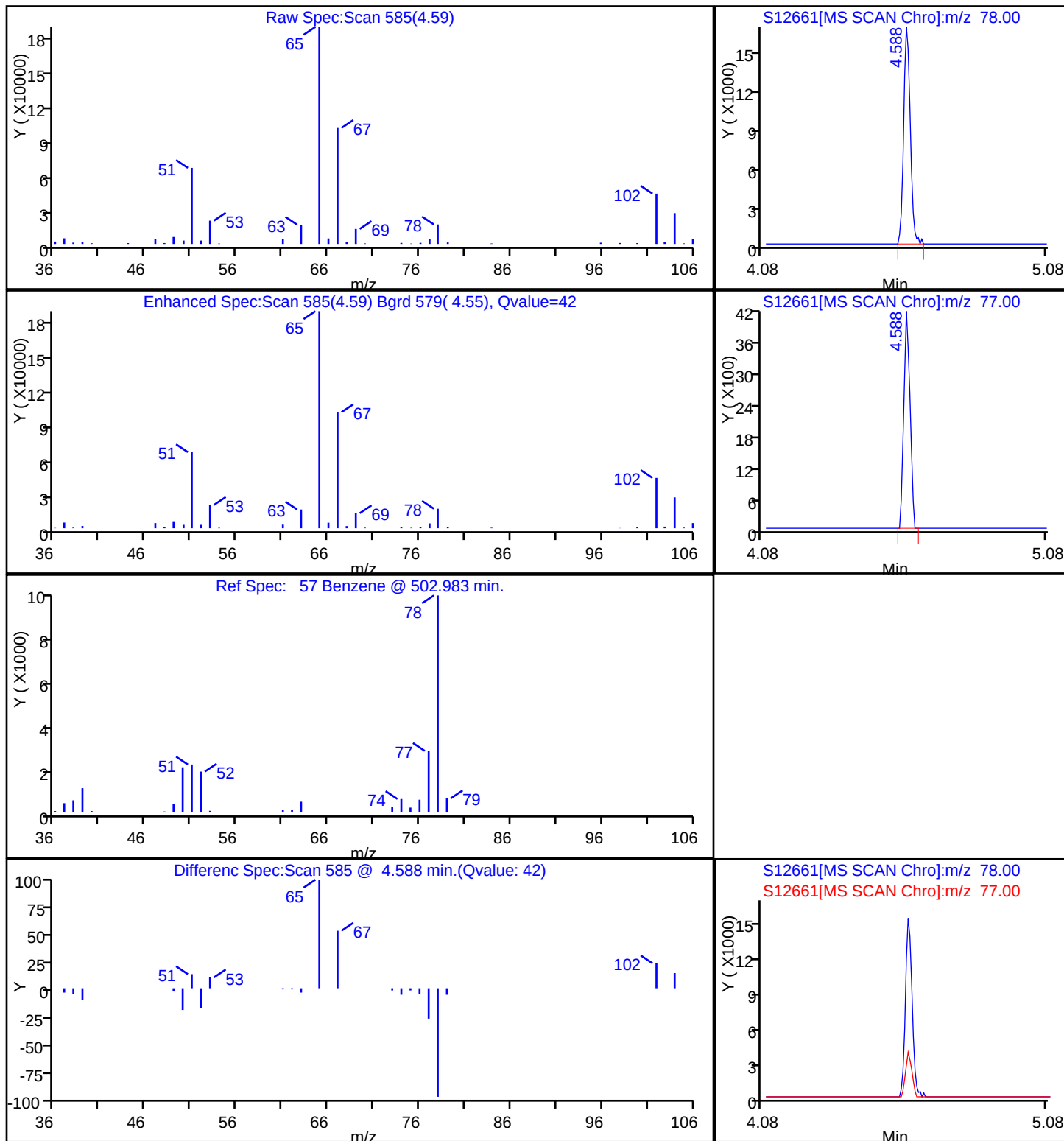
Column Dia: 0.25 mm

58 1,2-Dichloroethane



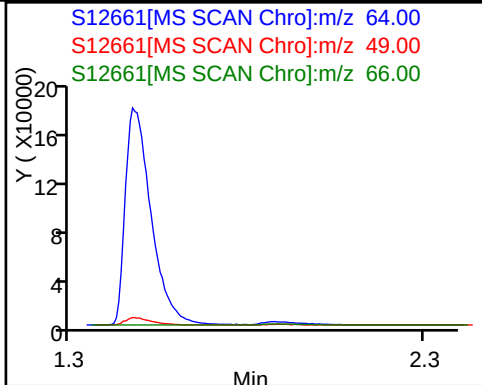
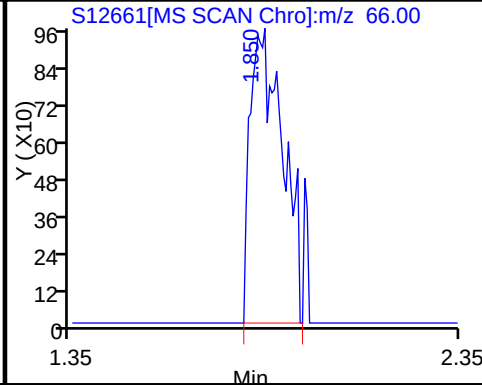
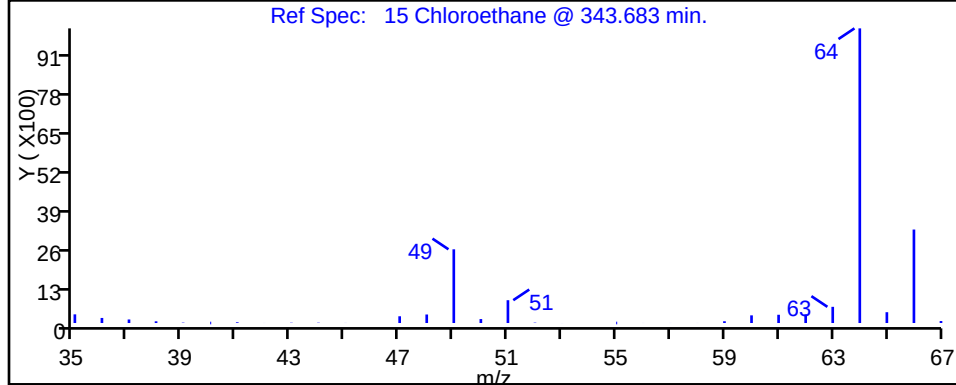
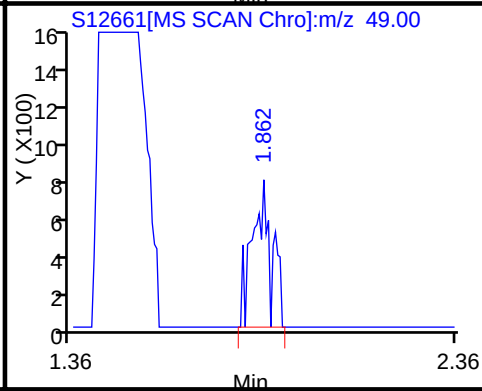
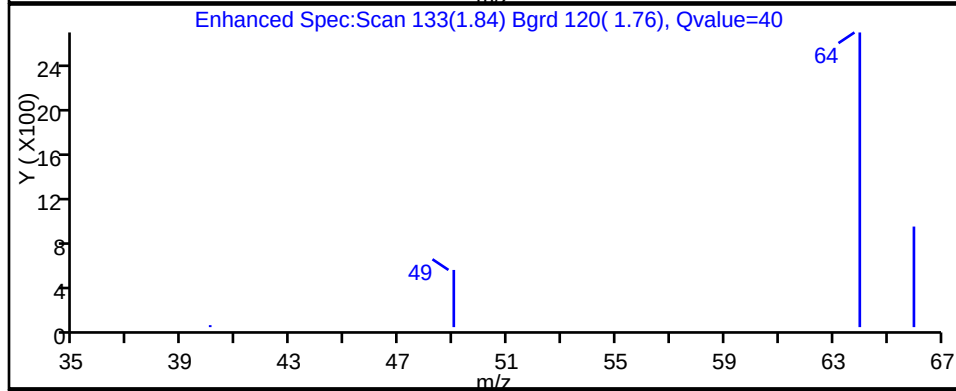
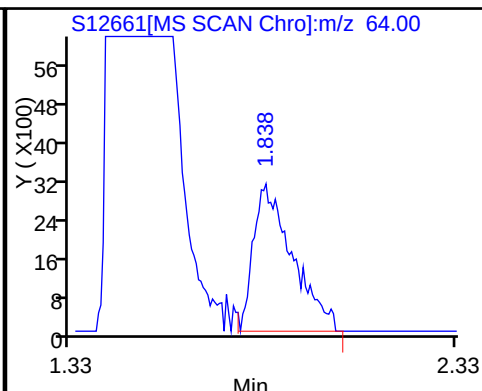
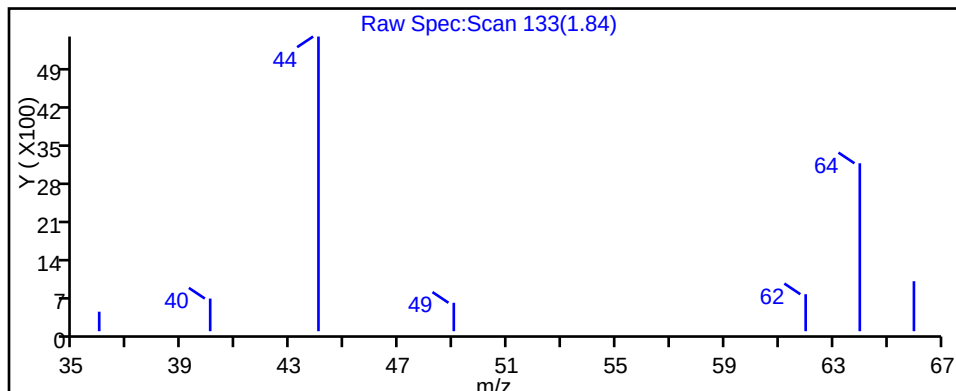
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Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D
Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
57 Benzene

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm



Report Date: 05-Apr-2012 10:21:07
Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D
Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
15 Chloroethane

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm



Report Date: 05-Apr-2012 10:21:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D

Injection Date: 05-Apr-2012 06:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58178

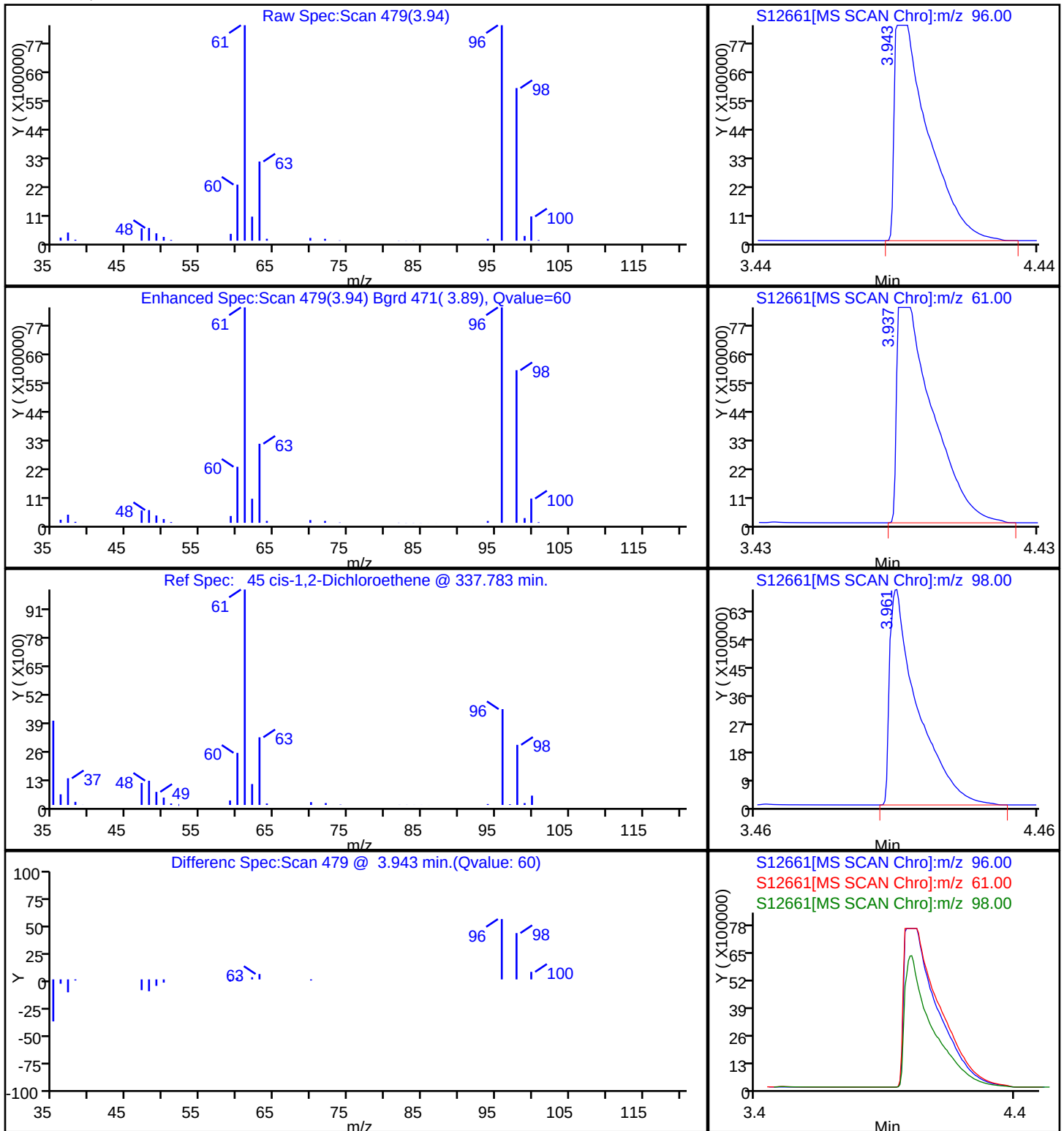
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Operator ID: RAL

Column Type: ZB-624

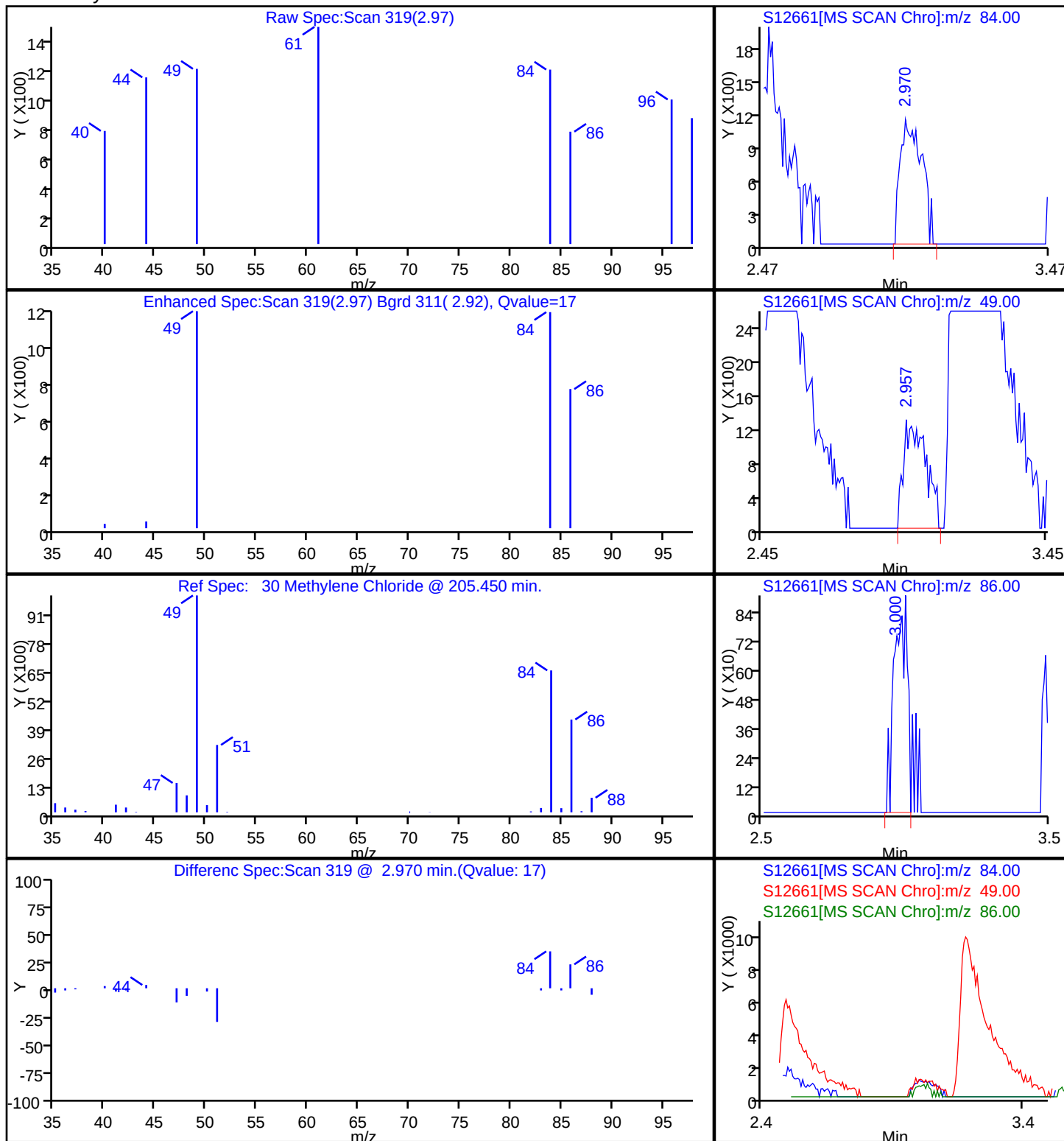
Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



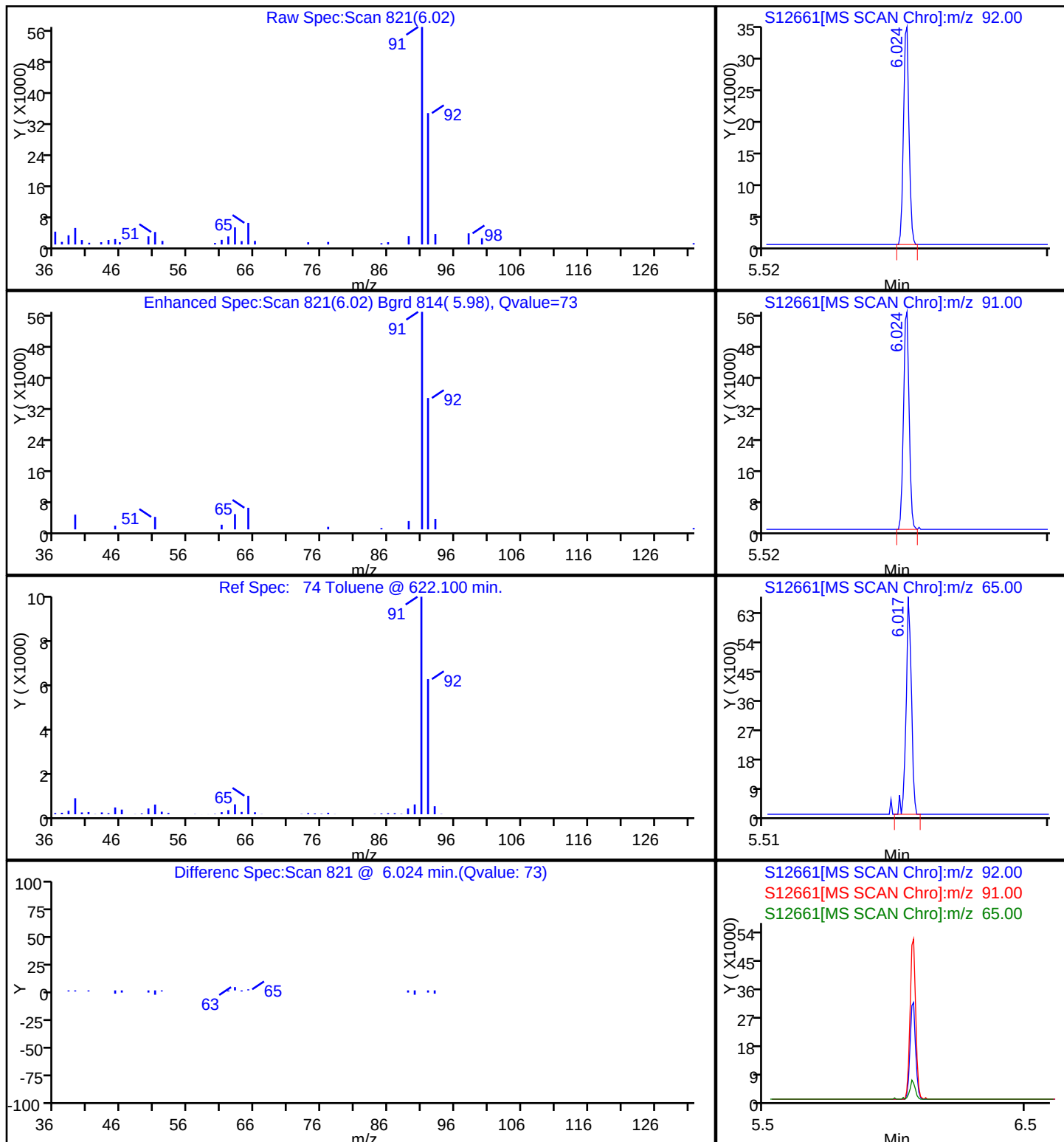
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Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
30 Methylene Chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm



Report Date: 05-Apr-2012 10:21:07
Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D
Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
74 Toluene

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm



Report Date: 05-Apr-2012 10:21:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D

Injection Date: 05-Apr-2012 06:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58178

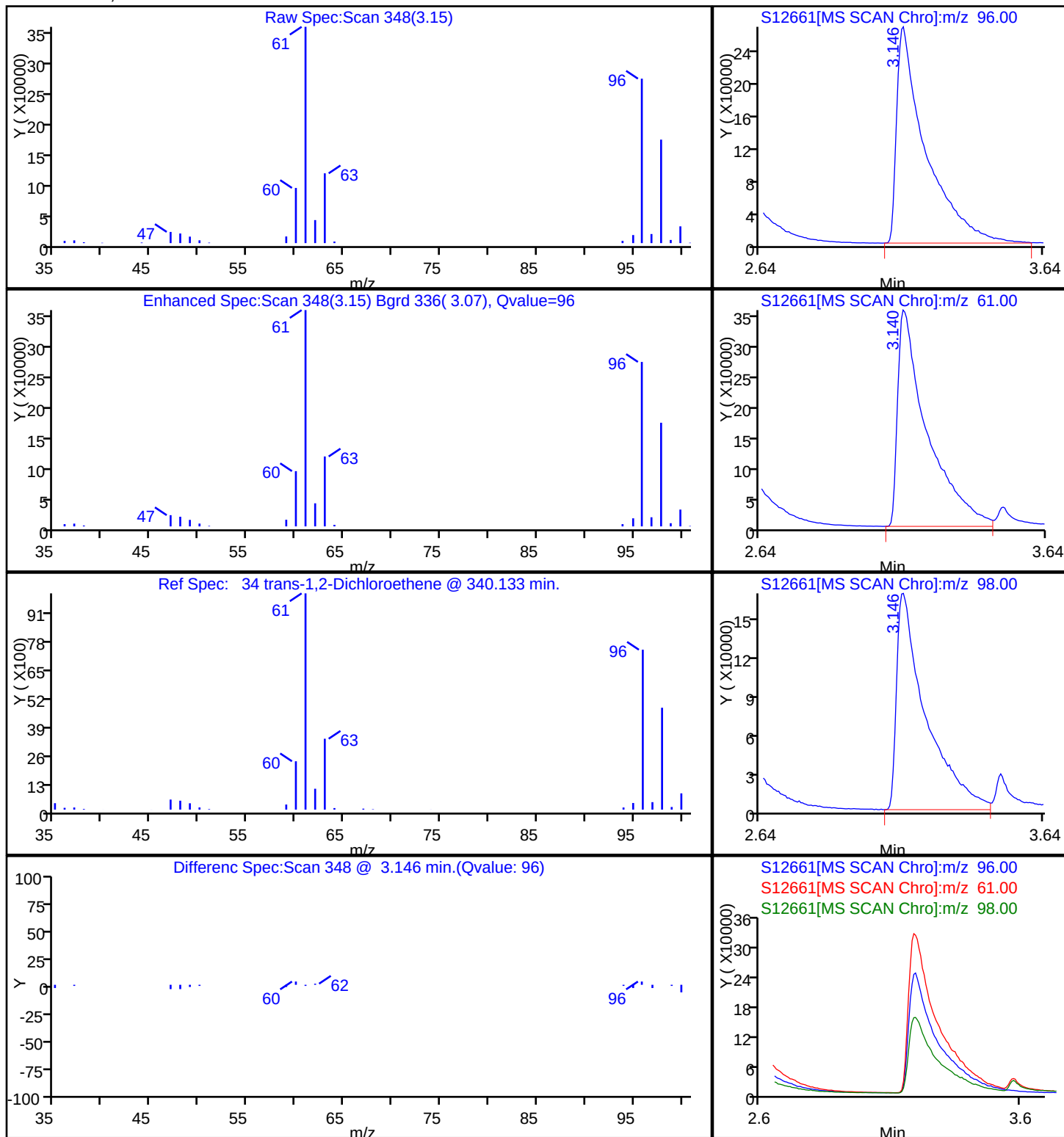
Lims Sample ID: 24

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



Report Date: 05-Apr-2012 10:21:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D

Injection Date: 05-Apr-2012 06:43:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58178

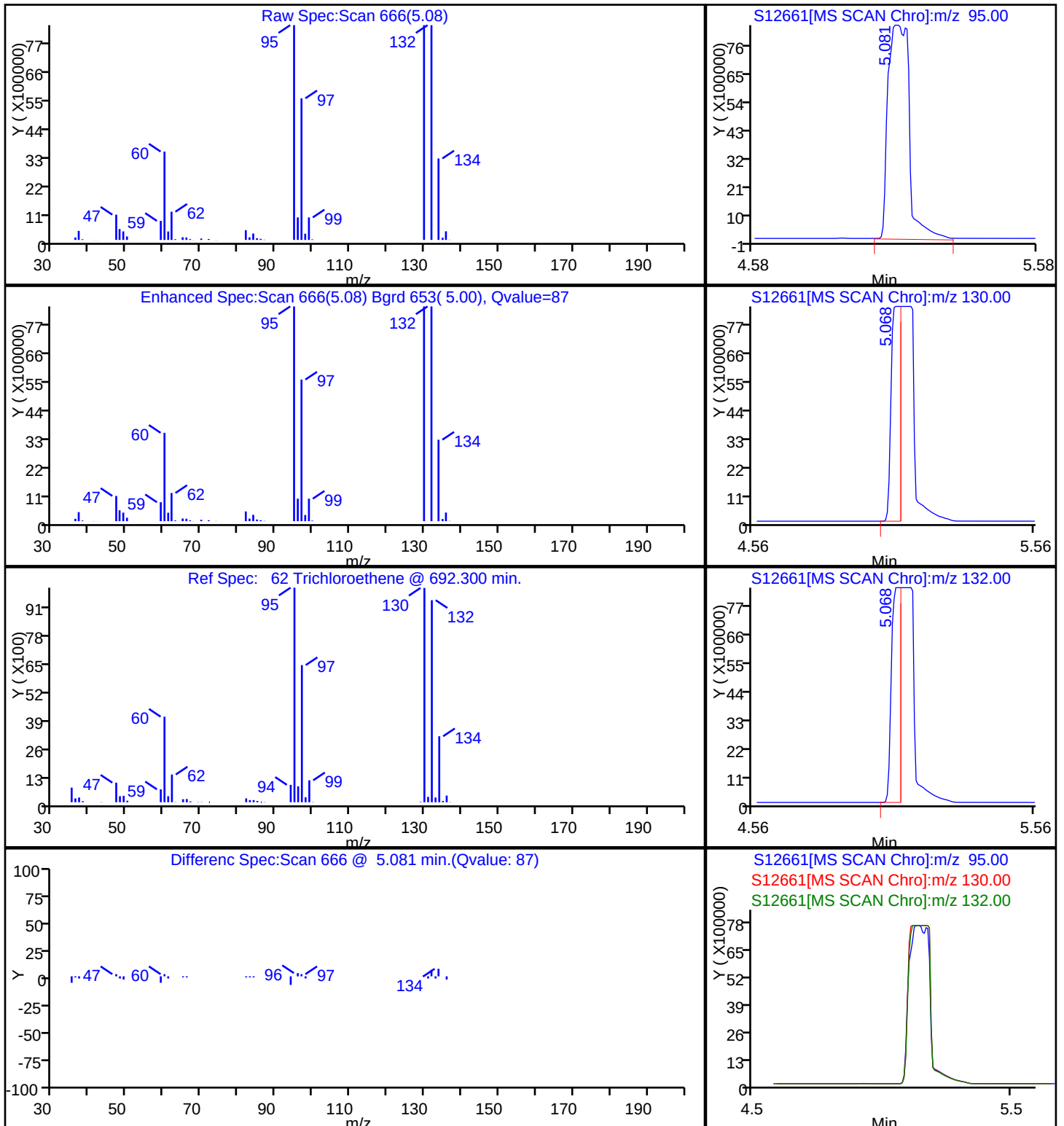
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Operator ID: RAL

Column Type: ZB-624

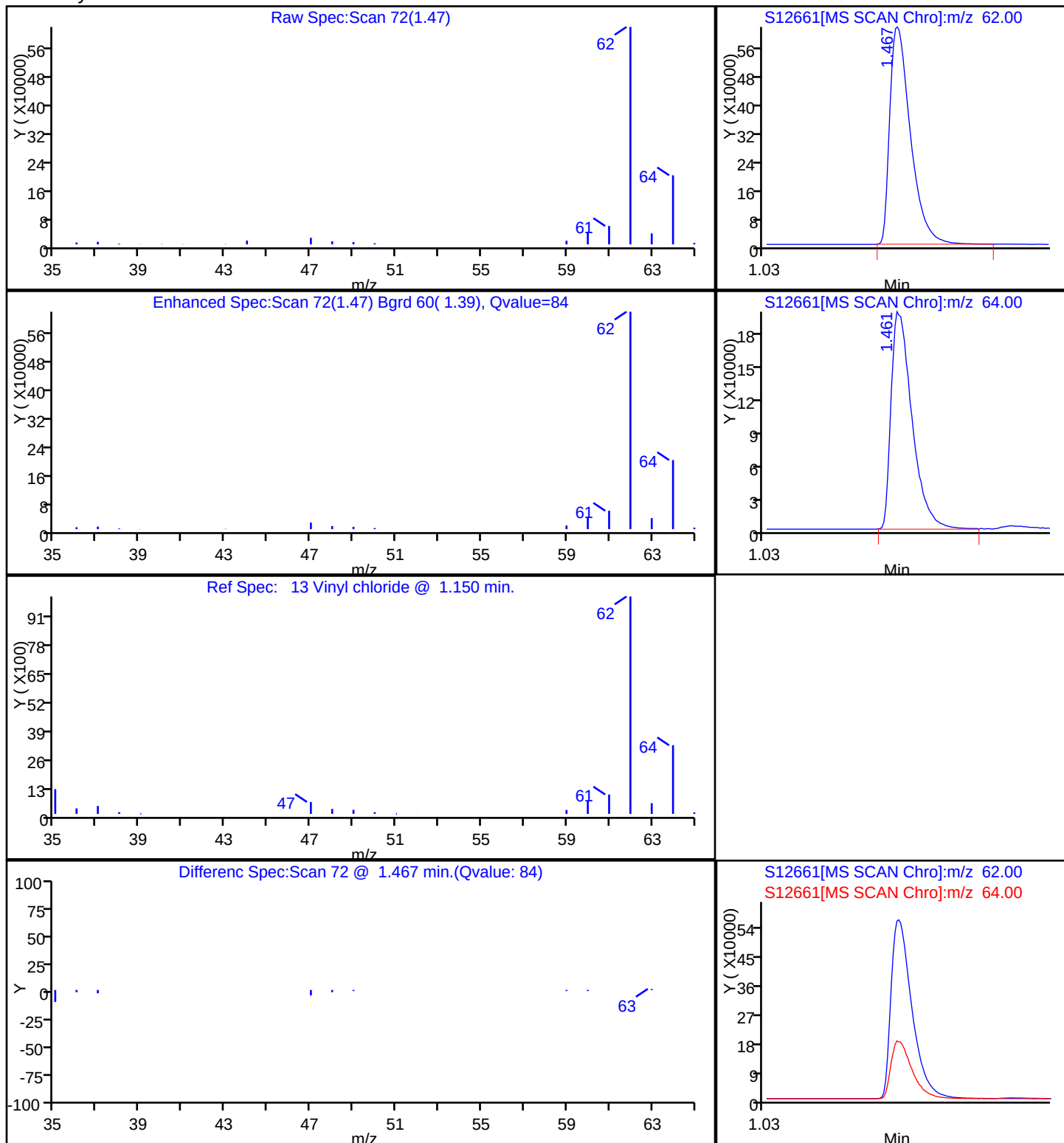
Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 05-Apr-2012 10:21:07
Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D
Injection Date: 05-Apr-2012 06:43:30
Client ID: MW-13S
Lims Batch ID: 58178
Operator ID: RAL
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 24
Column Dia: 0.25 mm

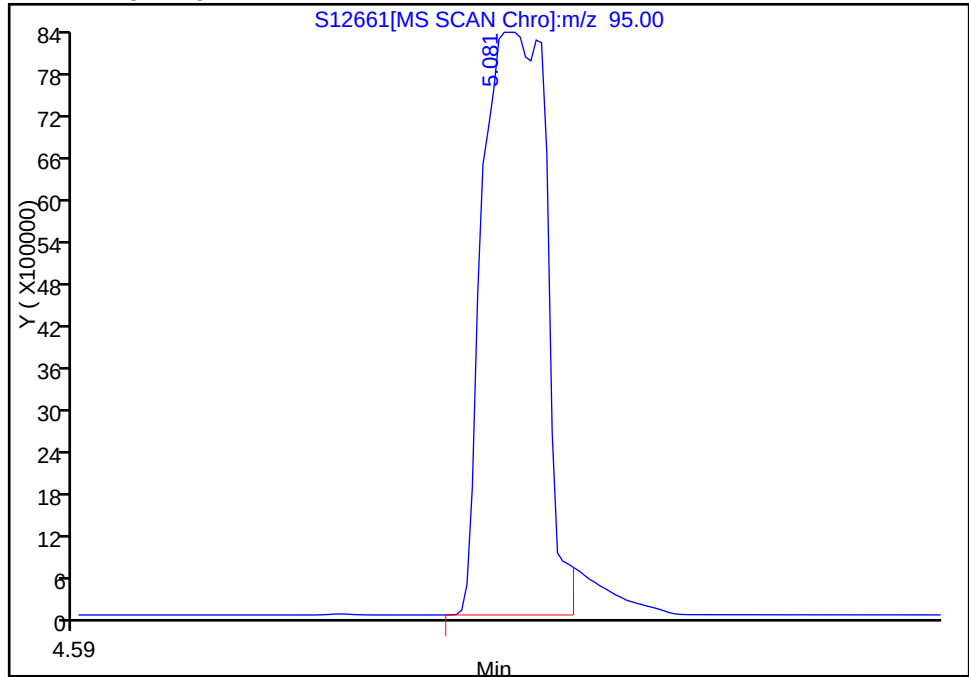


Data File:	\\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12661.D		
Injection Date:	05-Apr-2012 06:43:30	Limit Group:	MV - 8260B ICAL
Client ID:	MW-13S	Instrument ID:	HP5973S
Lims Batch ID:	58178	Lims Sample ID:	24
Operator ID:	RAL		
Column Type:	ZB-624	Column Dia:	0.25 mm

62 Trichloroethene, Signal: 1, m/z: 95.0 Type: quant, RT: 5.06

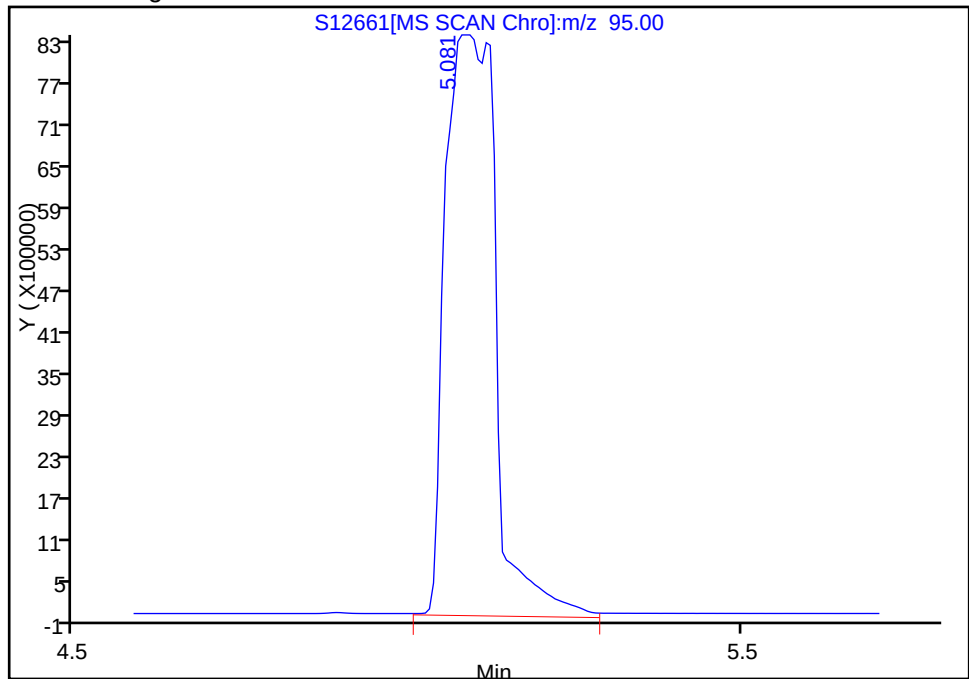
RT: 5.08
Response: 41844964
Amount: 4569.7584

Processing Integration Results



RT: 5.08
Response: 44341096
Amount: 4842.3532

Manual Integration Results



Reviewer: coderd, 05-Apr-2012 10:20:06
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-13S DL Lab Sample ID: 480-18001-8 DL

Matrix: Ground Water Lab File ID: S12713.D

Analysis Method: 8260B Date Collected: 04/03/2012 10:10

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 12:44

Soil Aliquot Vol: _____ Dilution Factor: 500

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		500	410
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	110
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500	160
79-00-5	1,1,2-Trichloroethane	ND		500	120
75-34-3	1,1-Dichloroethane	ND		500	190
75-35-4	1,1-Dichloroethene	ND		500	150
120-82-1	1,2,4-Trichlorobenzene	ND		500	210
96-12-8	1,2-Dibromo-3-Chloropropane	ND		500	200
106-93-4	1,2-Dibromoethane	ND		500	370
95-50-1	1,2-Dichlorobenzene	ND		500	400
107-06-2	1,2-Dichloroethane	ND		500	110
78-87-5	1,2-Dichloropropane	ND		500	360
541-73-1	1,3-Dichlorobenzene	ND		500	390
106-46-7	1,4-Dichlorobenzene	ND		500	420
78-93-3	2-Butanone (MEK)	ND		5000	660
591-78-6	2-Hexanone	ND		2500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2500	1100
67-64-1	Acetone	ND		5000	1500
71-43-2	Benzene	ND		500	210
75-27-4	Bromodichloromethane	ND		500	200
75-25-2	Bromoform	ND		500	130
74-83-9	Bromomethane	ND		500	350
75-15-0	Carbon disulfide	ND		500	95
56-23-5	Carbon tetrachloride	ND		500	140
108-90-7	Chlorobenzene	ND		500	380
75-00-3	Chloroethane	ND		500	160
67-66-3	Chloroform	ND		500	170
74-87-3	Chloromethane	ND		500	180
156-59-2	cis-1,2-Dichloroethene	21000		500	410
10061-01-5	cis-1,3-Dichloropropene	ND		500	180
110-82-7	Cyclohexane	ND		500	90
124-48-1	Dibromochloromethane	ND		500	160
75-71-8	Dichlorodifluoromethane	ND		500	340
100-41-4	Ethylbenzene	ND		500	370
98-82-8	Isopropylbenzene	ND		500	400

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-13S DL Lab Sample ID: 480-18001-8 DL
 Matrix: Ground Water Lab File ID: S12713.D
 Analysis Method: 8260B Date Collected: 04/03/2012 10:10
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 12:44
 Soil Aliquot Vol: _____ Dilution Factor: 500
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		500	250
1634-04-4	Methyl tert-butyl ether	ND		500	80
108-87-2	Methylcyclohexane	ND		500	80
75-09-2	Methylene Chloride	ND		500	220
100-42-5	Styrene	ND		500	370
127-18-4	Tetrachloroethene	ND		500	180
108-88-3	Toluene	ND		500	260
156-60-5	trans-1,2-Dichloroethene	ND		500	450
10061-02-6	trans-1,3-Dichloropropene	ND		500	190
79-01-6	Trichloroethene	39000		500	230
75-69-4	Trichlorofluoromethane	ND		500	440
75-01-4	Vinyl chloride	ND		500	450
1330-20-7	Xylenes, Total	ND		1000	330

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12713.D
 Lims ID: 480-18001-B-8 Client ID: MW-13S
 Inject. Date: 06-Apr-2012 12:44:30 Dil. Factor: 500.0000
 Sample Type: Client
 Sample ID: 480-18001-B-8
 Misc. Info.: 480-0010775-006 =480-0010775-006
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 58433 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 17:15:05 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 17:15:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	820418	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	430414	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	375961	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	148432	29.7	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	977802	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	260221	27.2	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.455	0.012	24	6120	0.7037	
14 Bromomethane	94		1.735					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	398352	42.7	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	94	700472	78.6	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 17:15:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12713.D

Injection Date: 06-Apr-2012 12:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58433

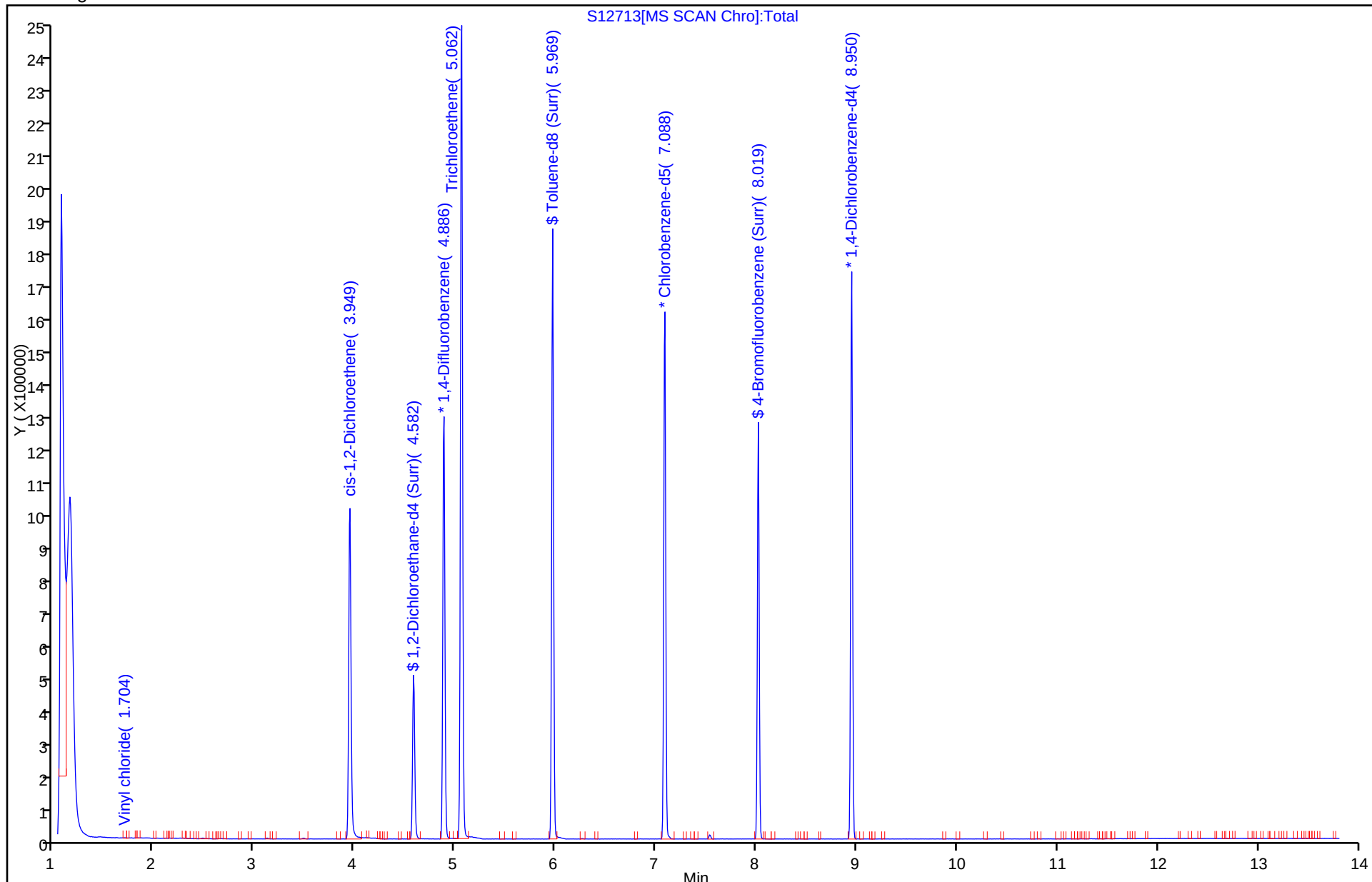
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Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 17:15:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12713.D

Injection Date: 06-Apr-2012 12:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58433

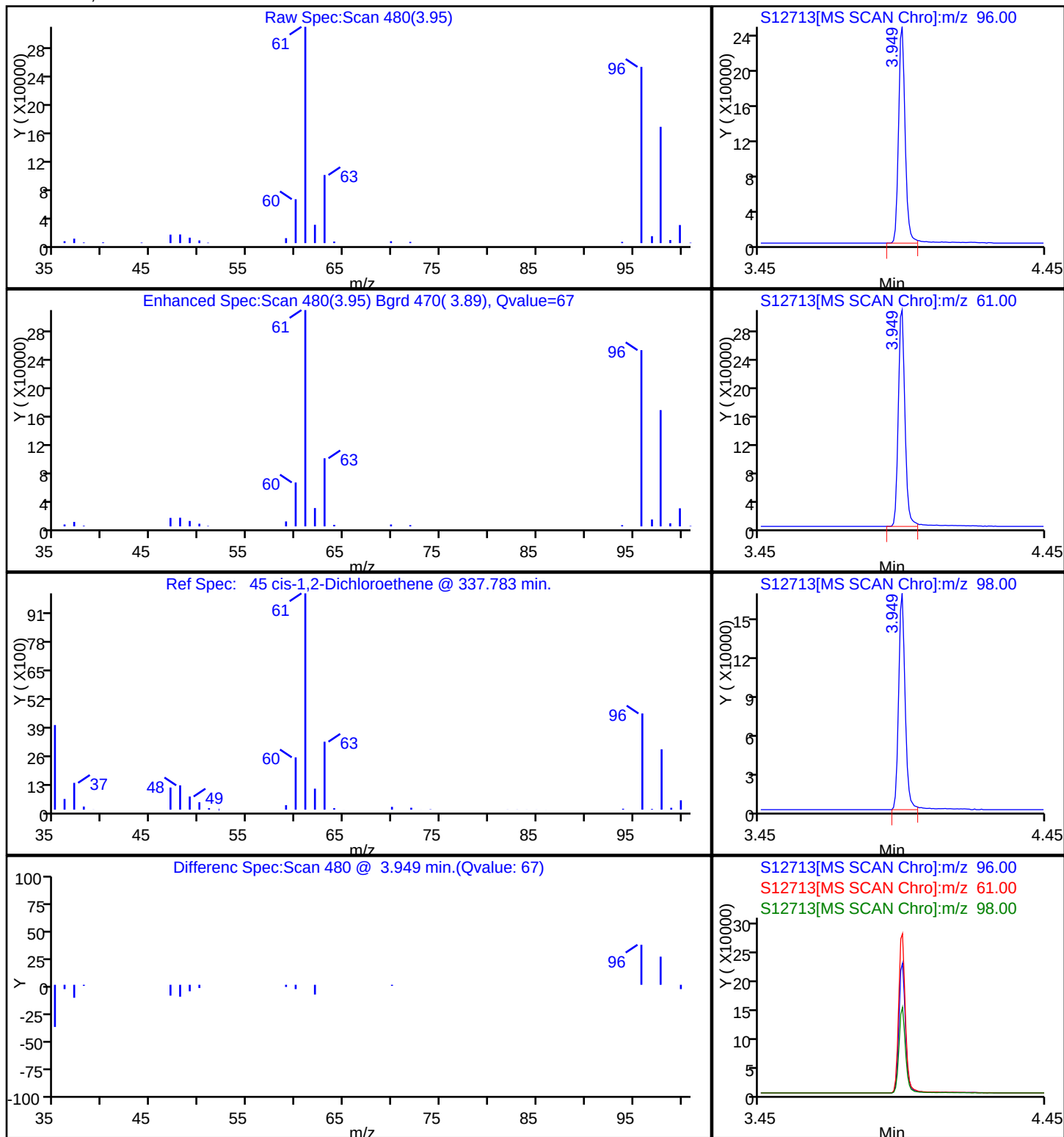
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 17:15:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12713.D

Injection Date: 06-Apr-2012 12:44:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13S

Instrument ID: HP5973S

Lims Batch ID: 58433

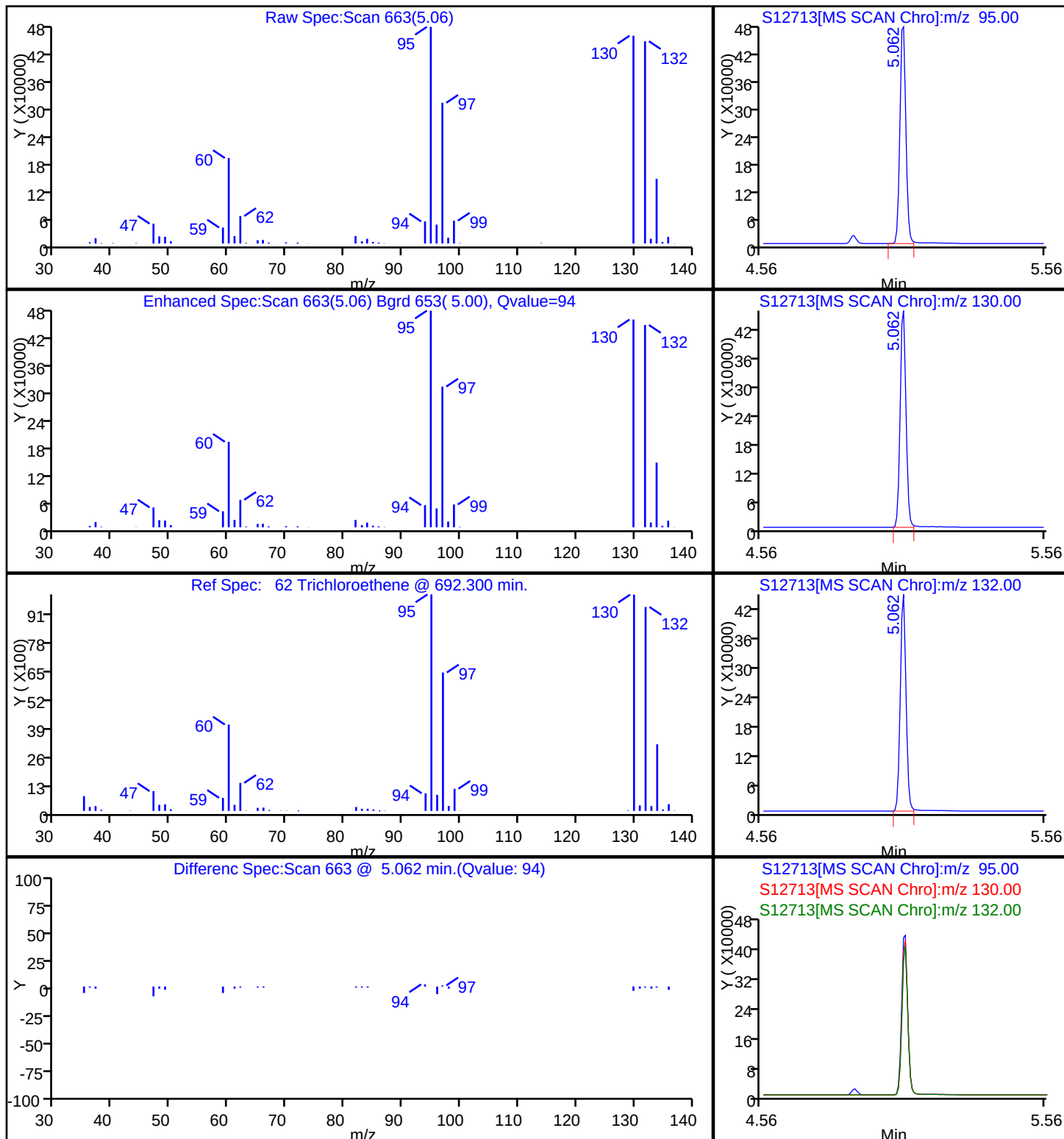
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: Duplicate Lab Sample ID: 480-18001-9

Matrix: Water Lab File ID: S12676.D

Analysis Method: 8260B Date Collected: 04/03/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 14:44

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	14		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	11		1.0	0.23
75-34-3	1,1-Dichloroethane	2400	E	1.0	0.38
75-35-4	1,1-Dichloroethene	1100	E	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	9.9		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	11		10	3.0
71-43-2	Benzene	9.8		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	21		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	83		1.0	0.32
67-66-3	Chloroform	1.3		1.0	0.34
74-87-3	Chloromethane	0.60	J	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	19000	E	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Duplicate Lab Sample ID: 480-18001-9
 Matrix: Water Lab File ID: S12676.D
 Analysis Method: 8260B Date Collected: 04/03/2012 08:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 14:44
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	3.7		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	1.8		1.0	0.36
108-88-3	Toluene	70		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1500	E	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	5900	E	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	6500	E	1.0	0.90
1330-20-7	Xylenes, Total	0.86	J	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
 Lims ID: 480-18001-A-9 Client ID: Duplicate
 Inject. Date: 05-Apr-2012 14:44:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-9
 Misc. Info.: 480-0010748-011 =480-0010748-011
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 58271 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:39:10

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.898	4.886	0.012	91	747852	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	85	408777	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	357347	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.594	4.582	0.012	96	127850	28.0	
\$ 5 Toluene-d8 (Surr)	98	5.975	5.969	0.006	82	928206	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	83	249256	27.4	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50	1.388	1.400	-0.012	35	2615	0.5951	
13 Vinyl chloride	62	1.455	1.467	-0.012	83	51796175	6533.7	E
14 Bromomethane	94		1.728					
15 Chloroethane	64	1.844	1.868	-0.024	89	432102	82.5	
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.446					
22 1,1-Dichloroethene	96	2.507	2.477	0.030	89	8312806	1130.6	E
23 Acetone	43	2.599	2.592	0.007	90	33287	11.3	
26 Carbon disulfide	76	2.672	2.653	0.019	95	471086	20.7	
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84	2.994	2.970	0.024	61	34578	3.69	
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.177	3.116	0.061	96	11573907	1544.3	E
39 1,1-Dichloroethane	63	3.572	3.481	0.091	84	31285001	2416.9	E
45 cis-1,2-Dichloroethene	96	3.937	3.943	-0.006	61	161636540	19026	EM
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83	4.217	4.198	0.019	1	18133	1.32	
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.600	4.582	0.018	93	319986	9.81	
58 1,2-Dichloroethane	62	4.649	4.636	0.013	71	110521	9.87	
62 Trichloroethene	95	5.099	5.099	0.043	83	47644036	5861.5	EM
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43	5.926	5.914	0.012	83	15196	1.63	
74 Toluene	92	6.024	6.017	0.007	90	1588549	70.0	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83	6.377	6.376	0.0	86	72796	10.8	
81 Tetrachloroethene	166	6.419	6.413	0.006	65	15470	1.83	
80 2-Hexanone	43	6.559	6.547	0.012	37	4426	0.6412	
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91	7.180	7.173	0.007	73	17543	0.4078	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	88	14086	0.8594	
91 o-Xylene	106	7.587	7.581	0.006	79	7166	0.4499	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	86	147032	13.6	
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		1.31	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

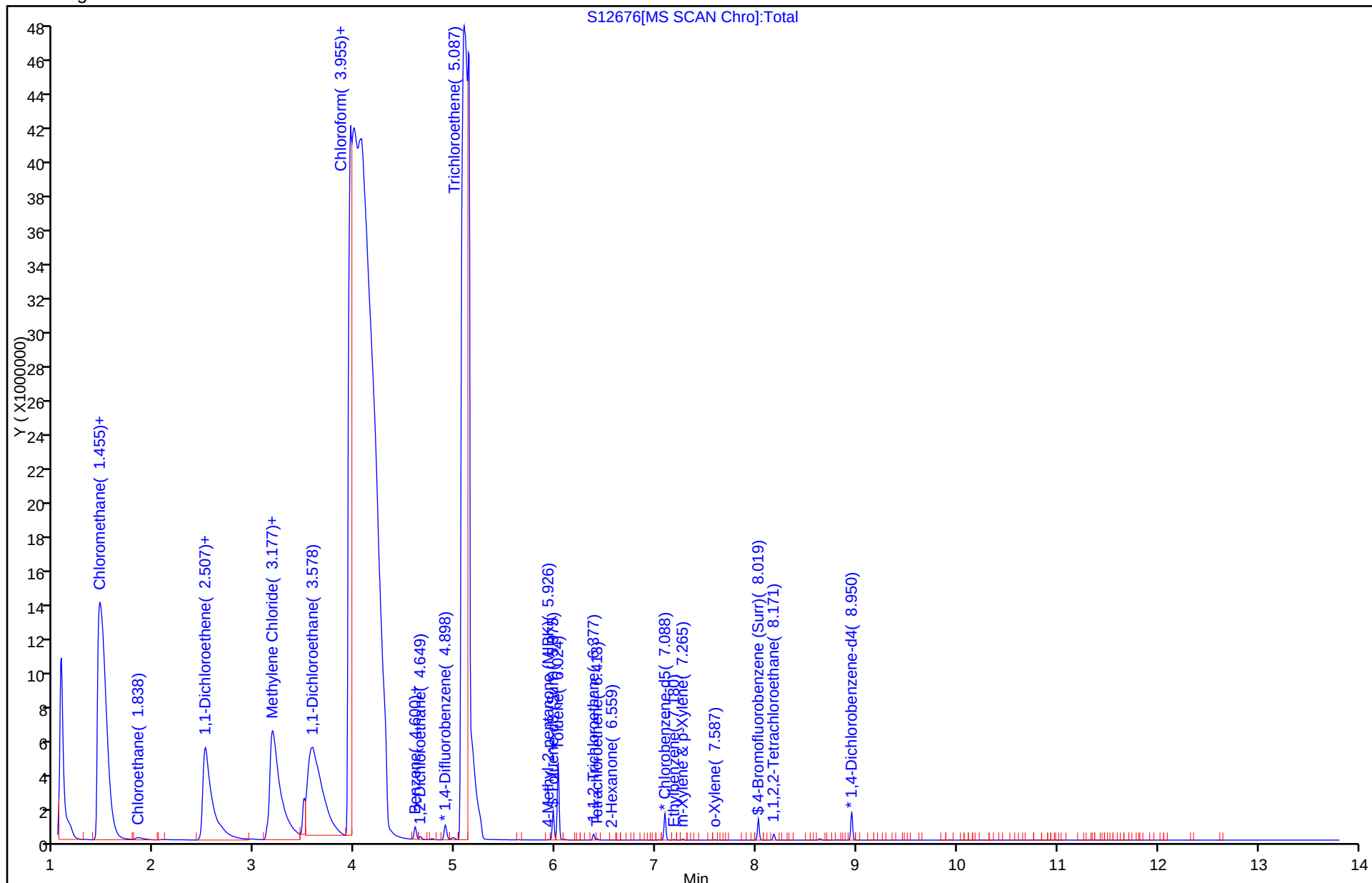
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

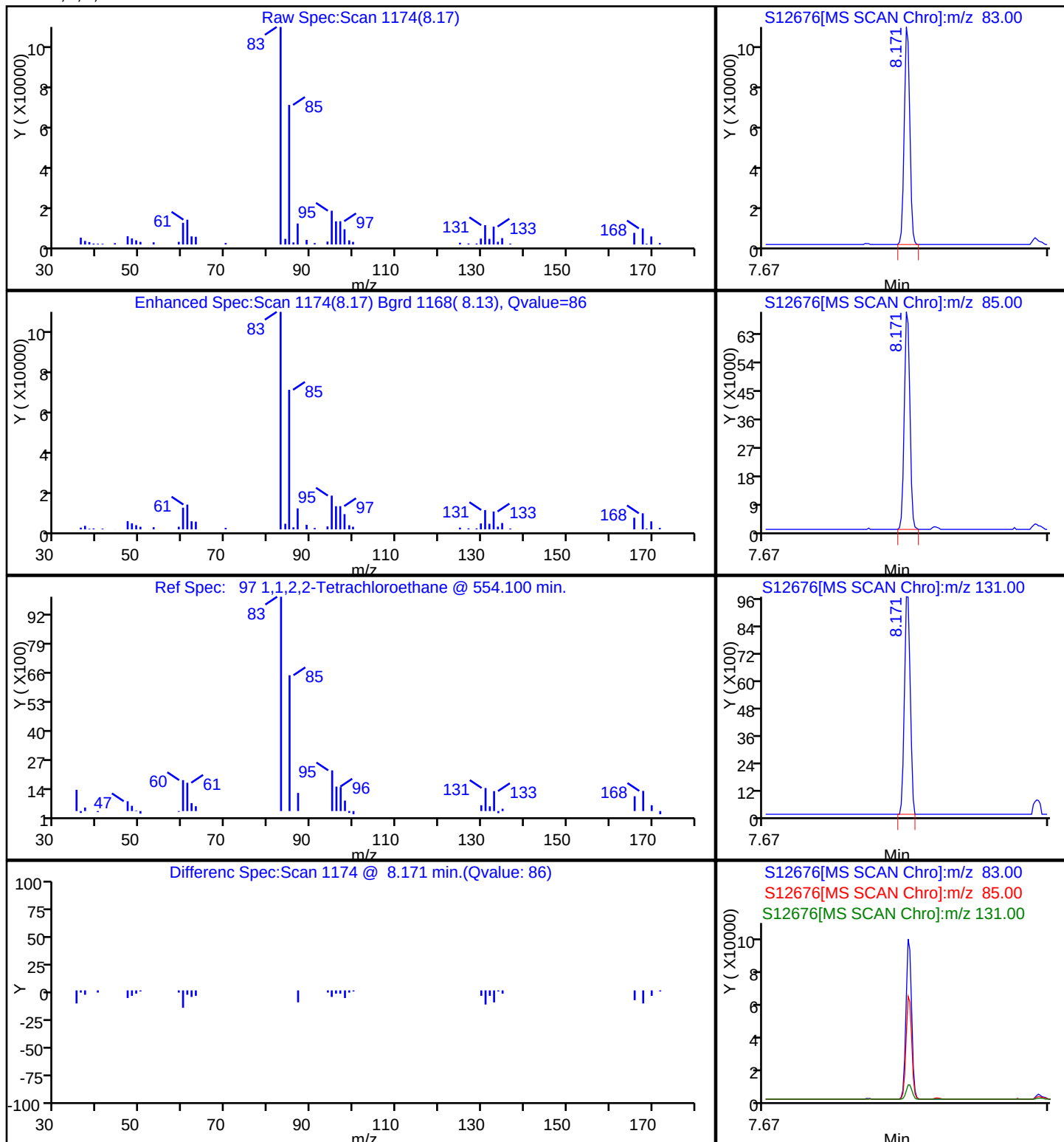
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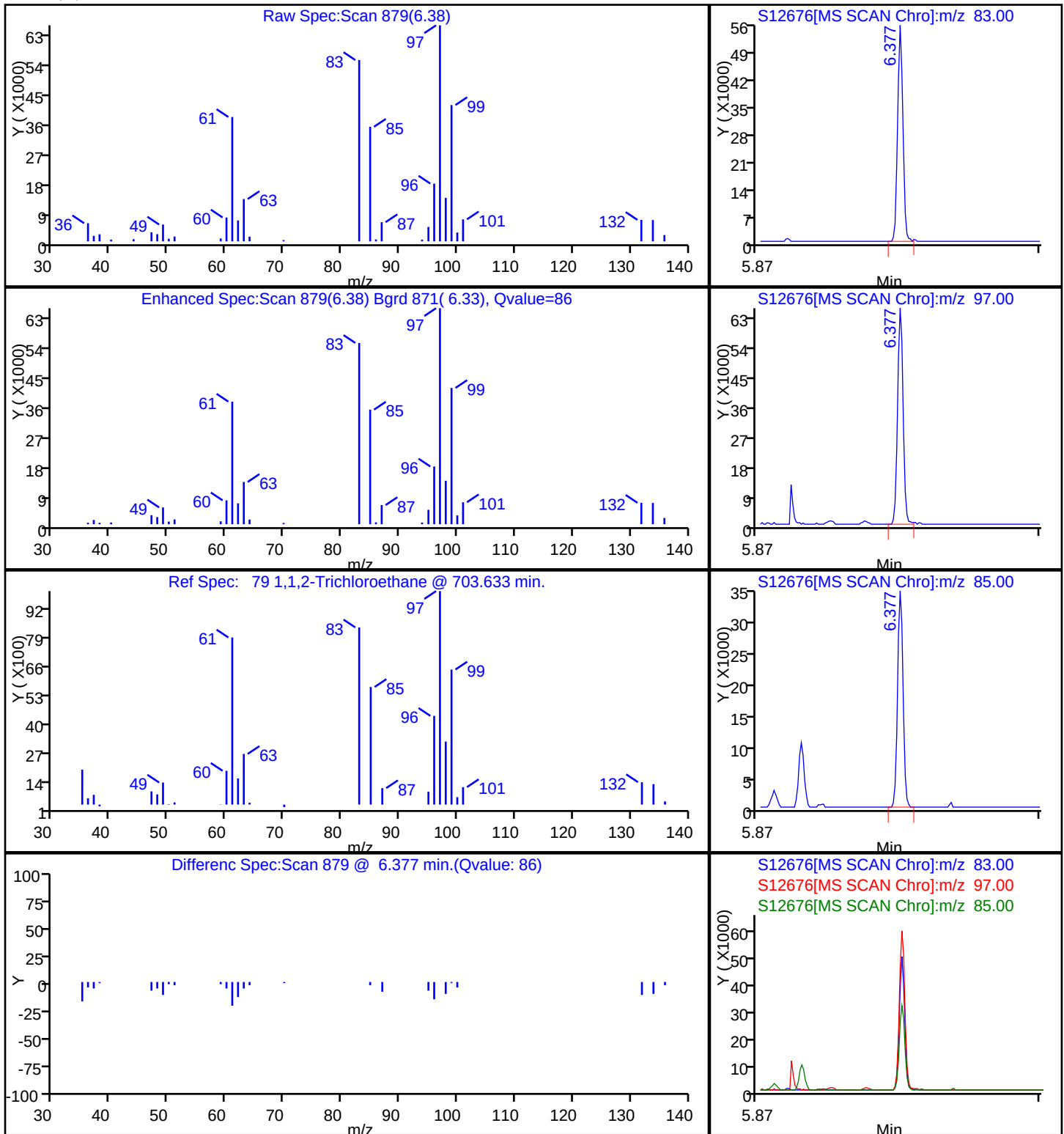
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Column Type: ZB-624

Column Dia: 0.25 mm

97 1,1,2,2-Tetrachloroethane





Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

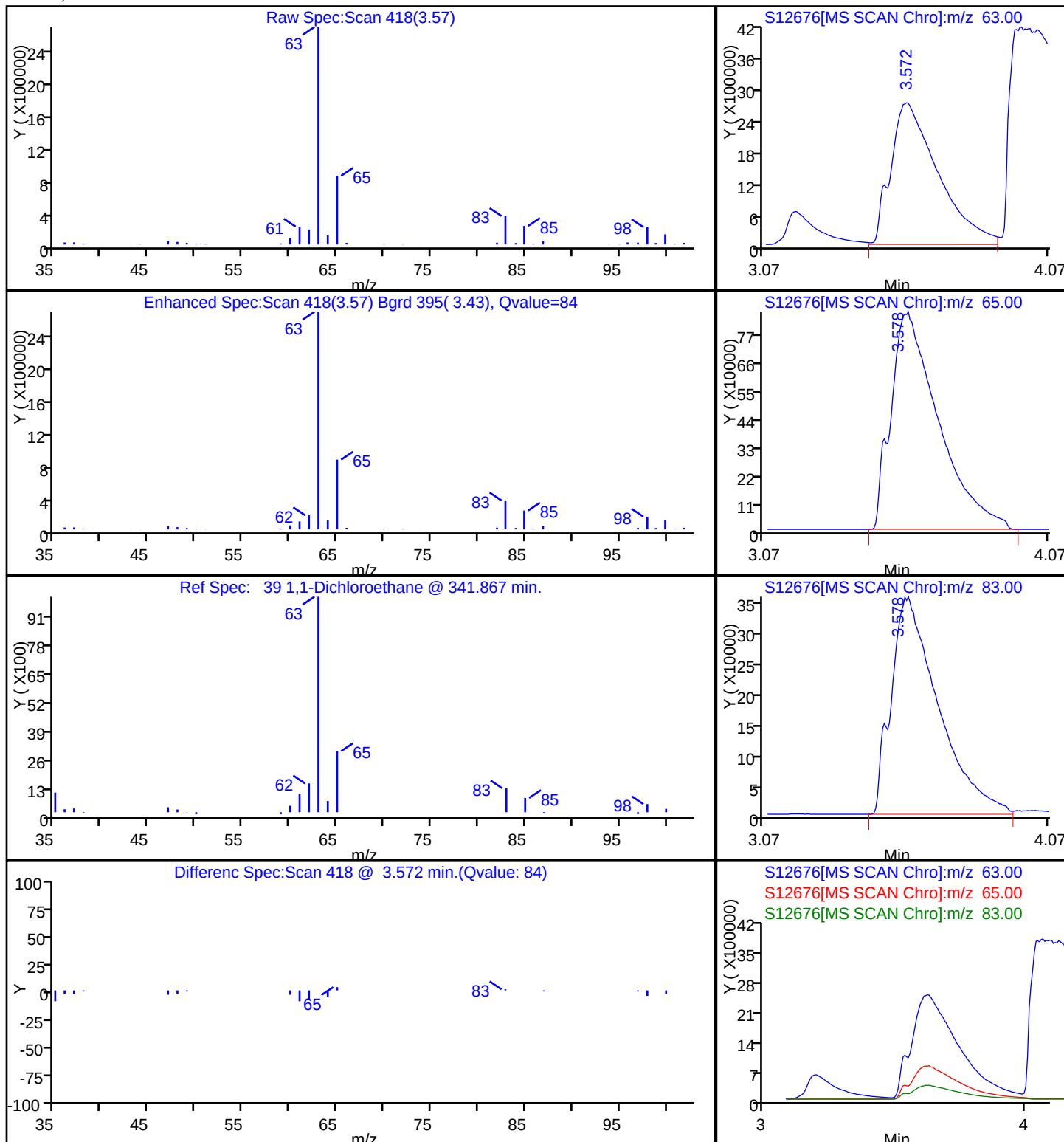
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Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

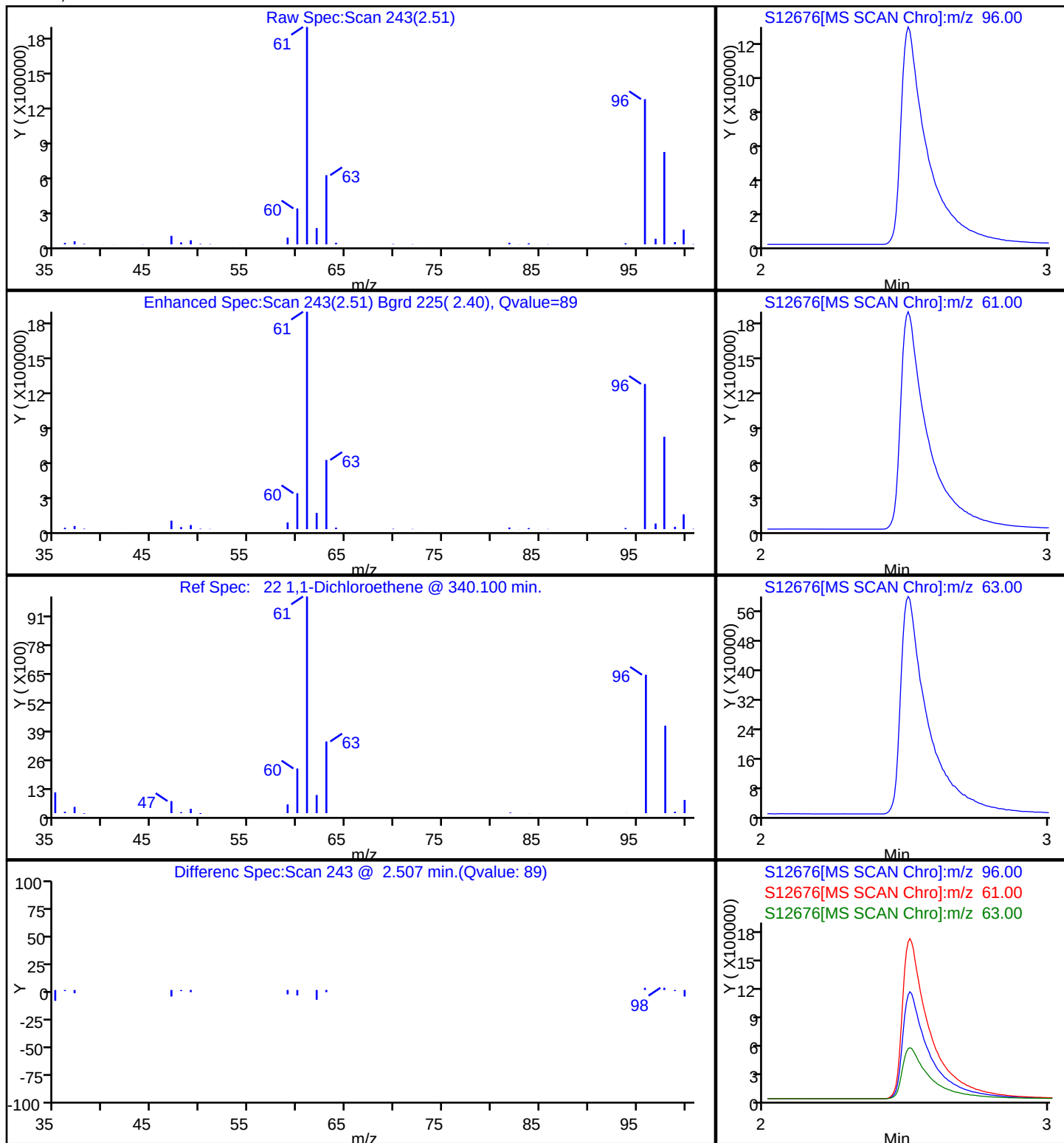
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Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

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Lims Batch ID: 58271

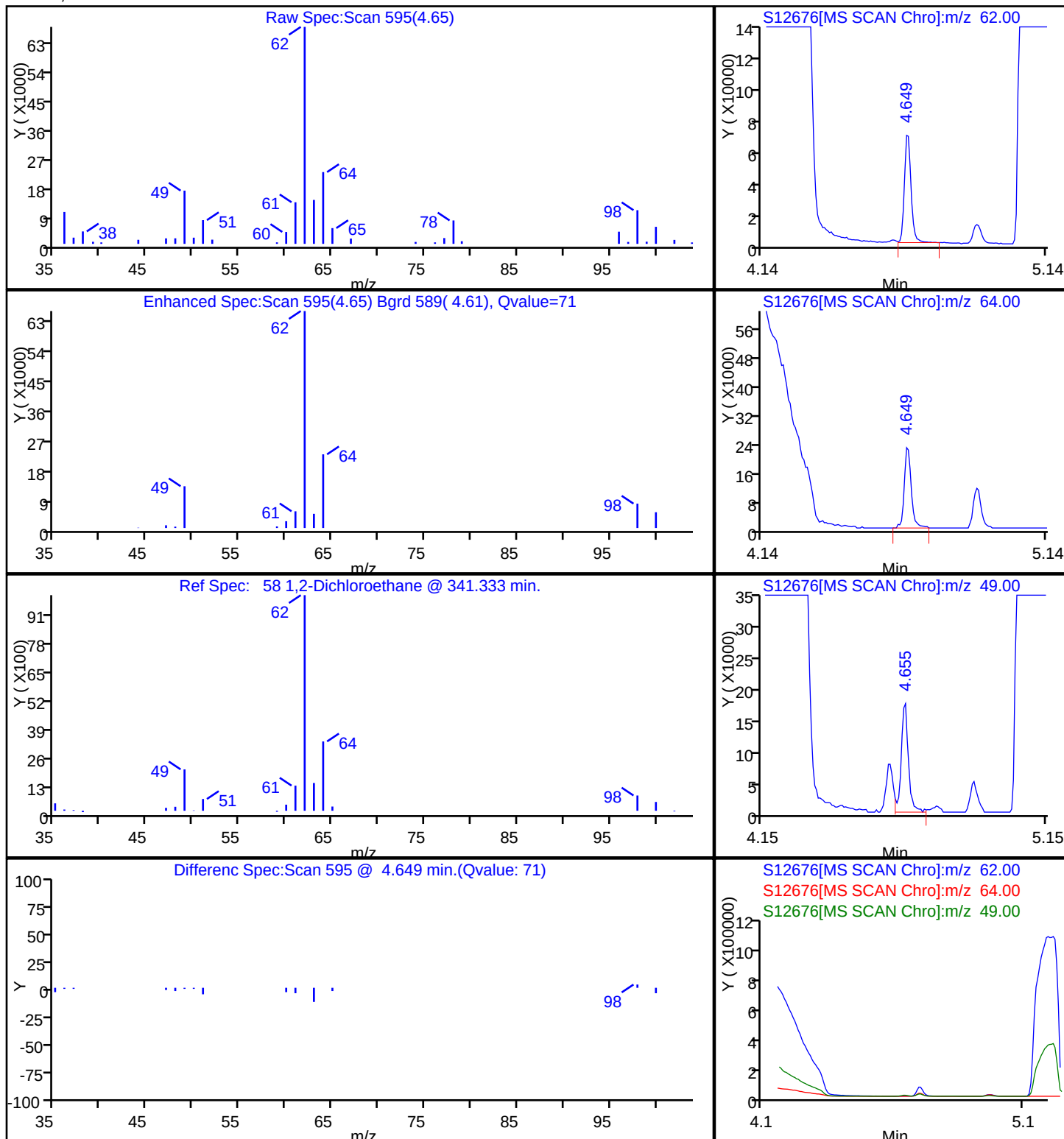
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Column Type: ZB-624

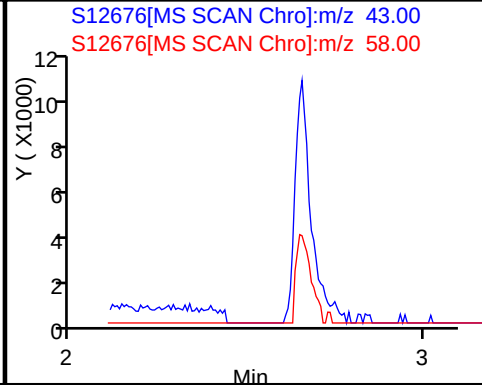
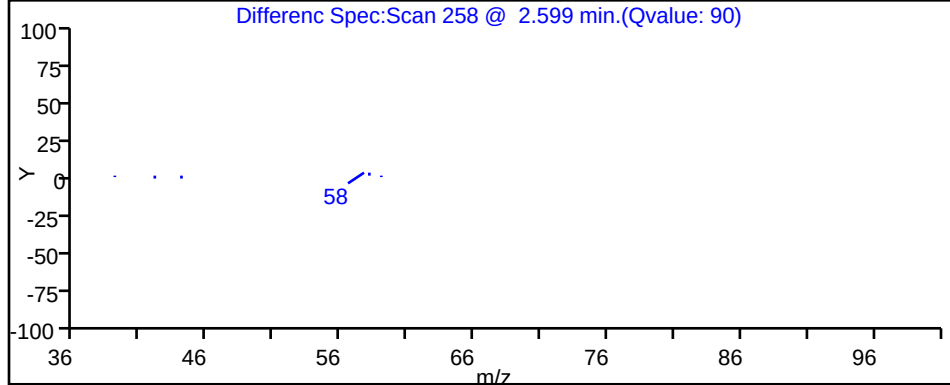
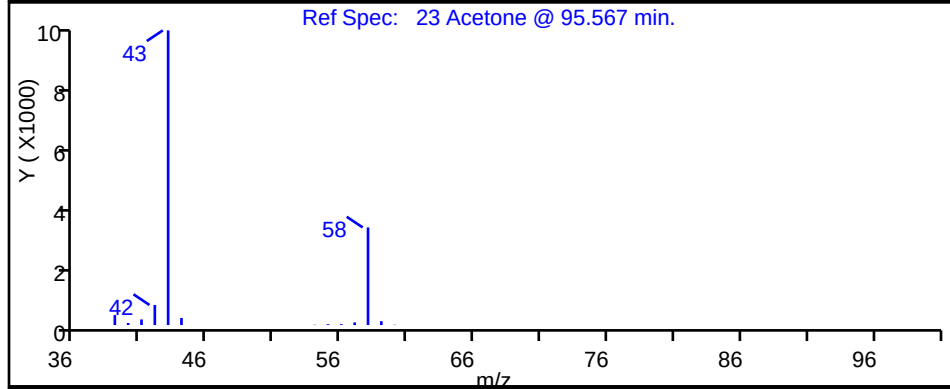
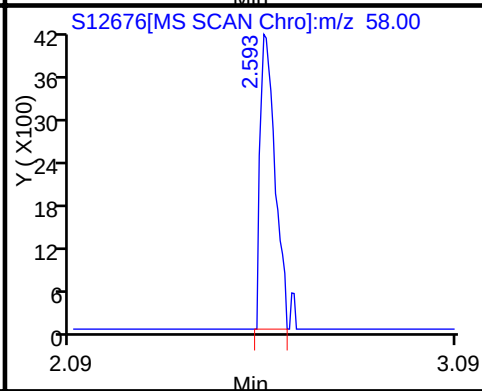
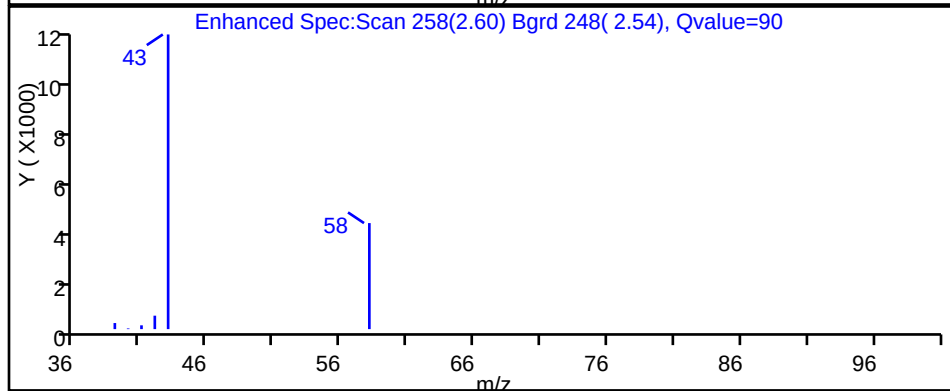
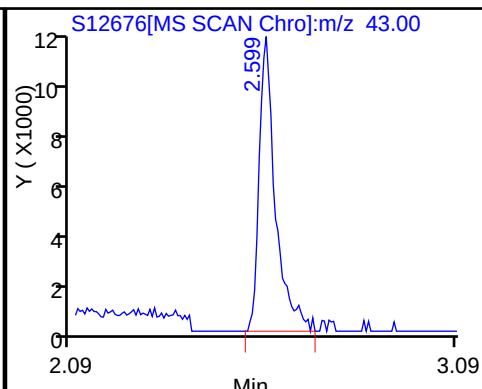
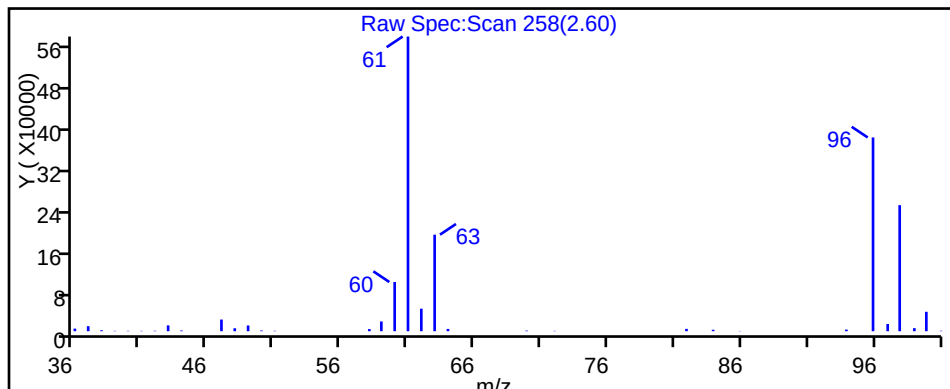
Column Dia: 0.25 mm

58 1,2-Dichloroethane



Report Date: 06-Apr-2012 08:39:10
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
23 Acetone

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

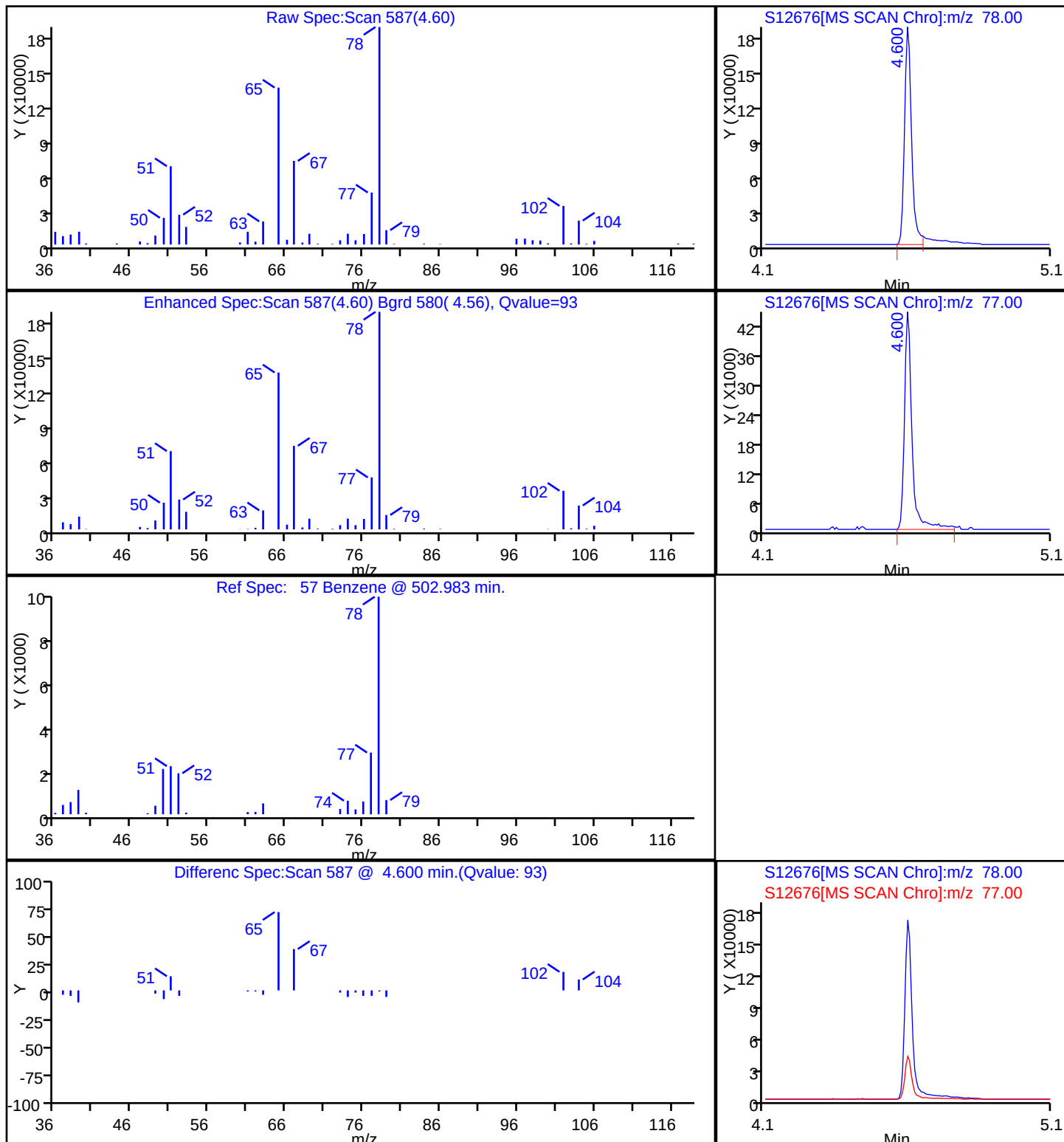
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Operator ID: DHC

Column Type: ZB-624

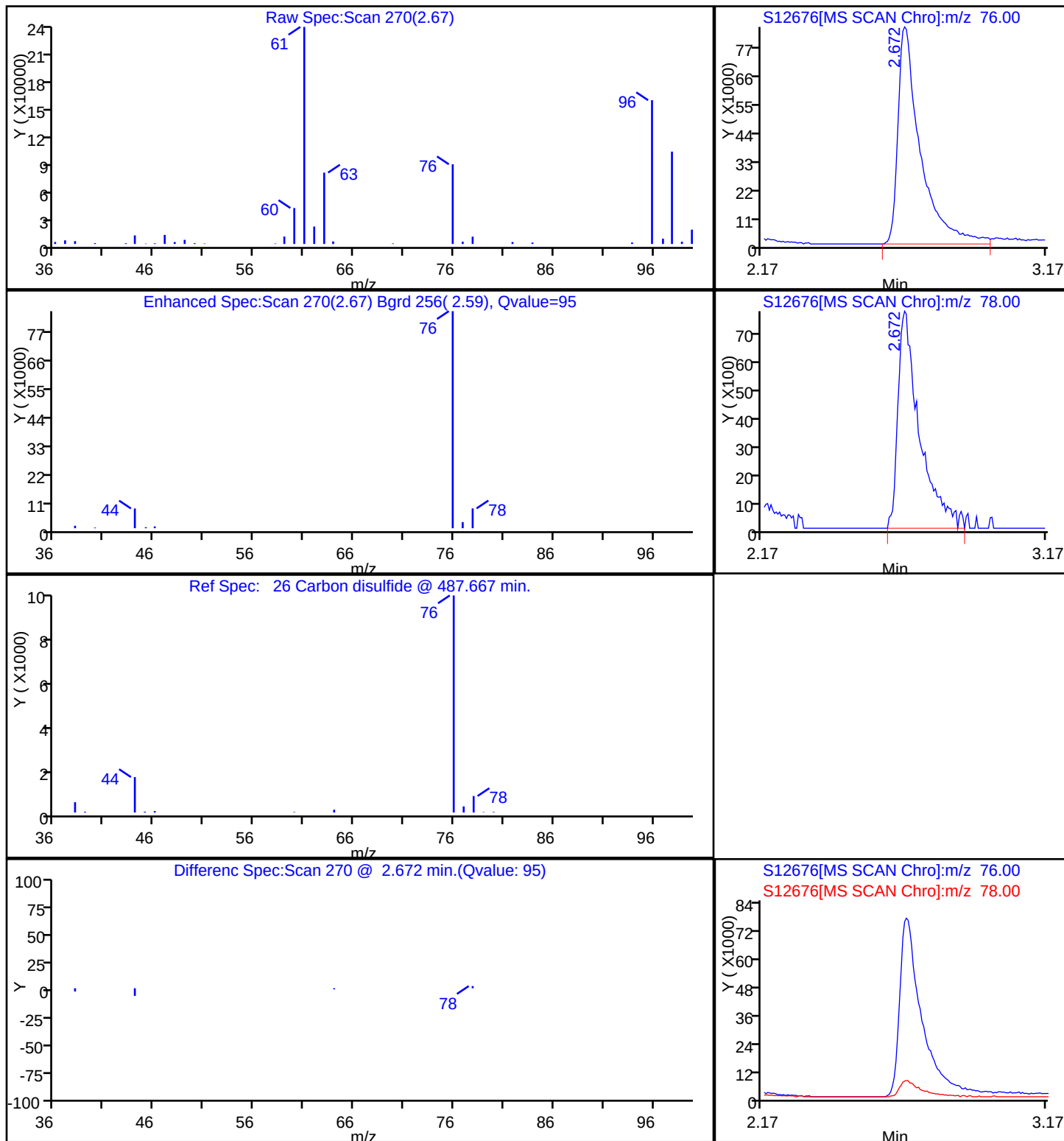
Column Dia: 0.25 mm

57 Benzene



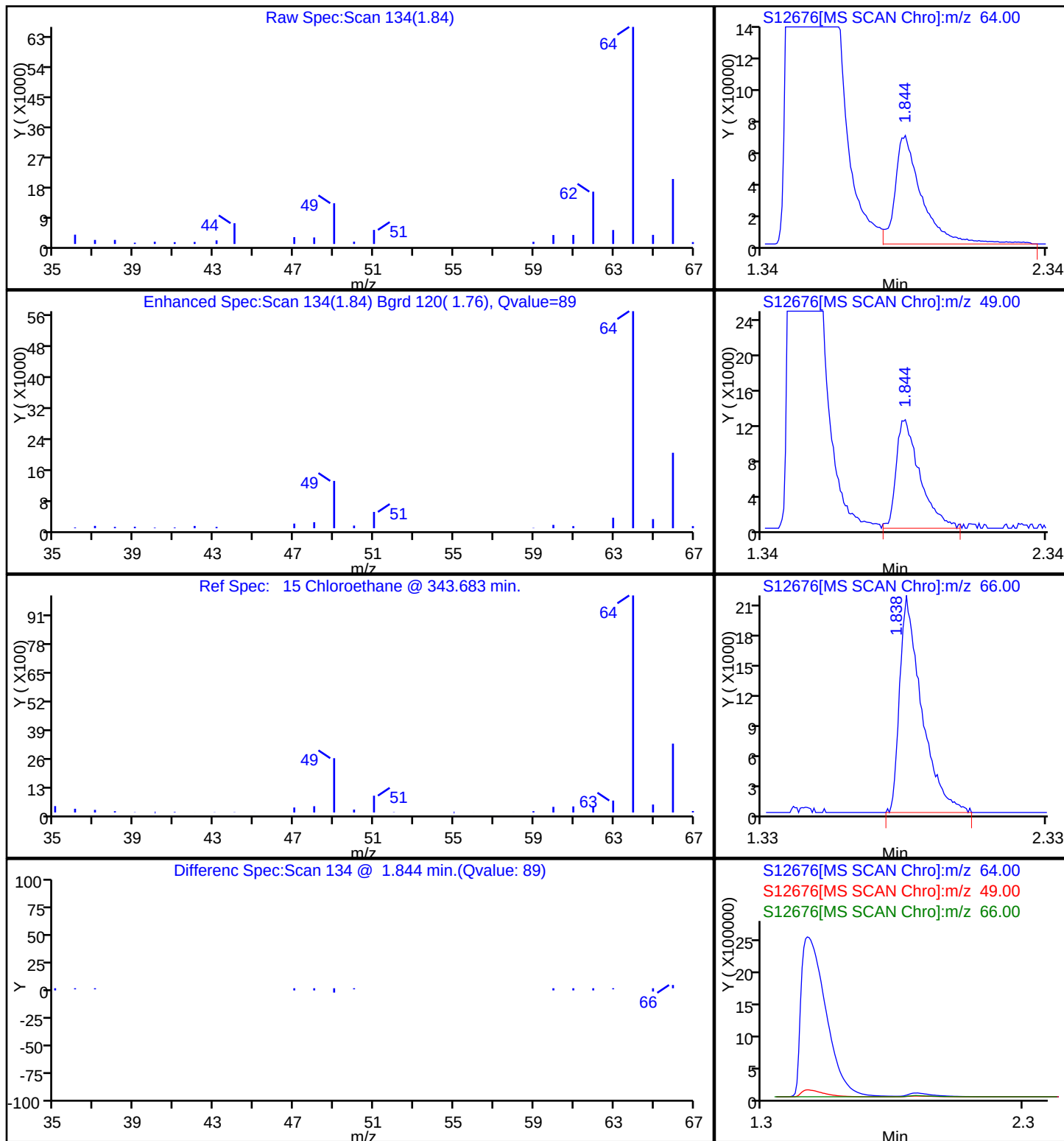
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Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
26 Carbon disulfide

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
15 Chloroethane

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

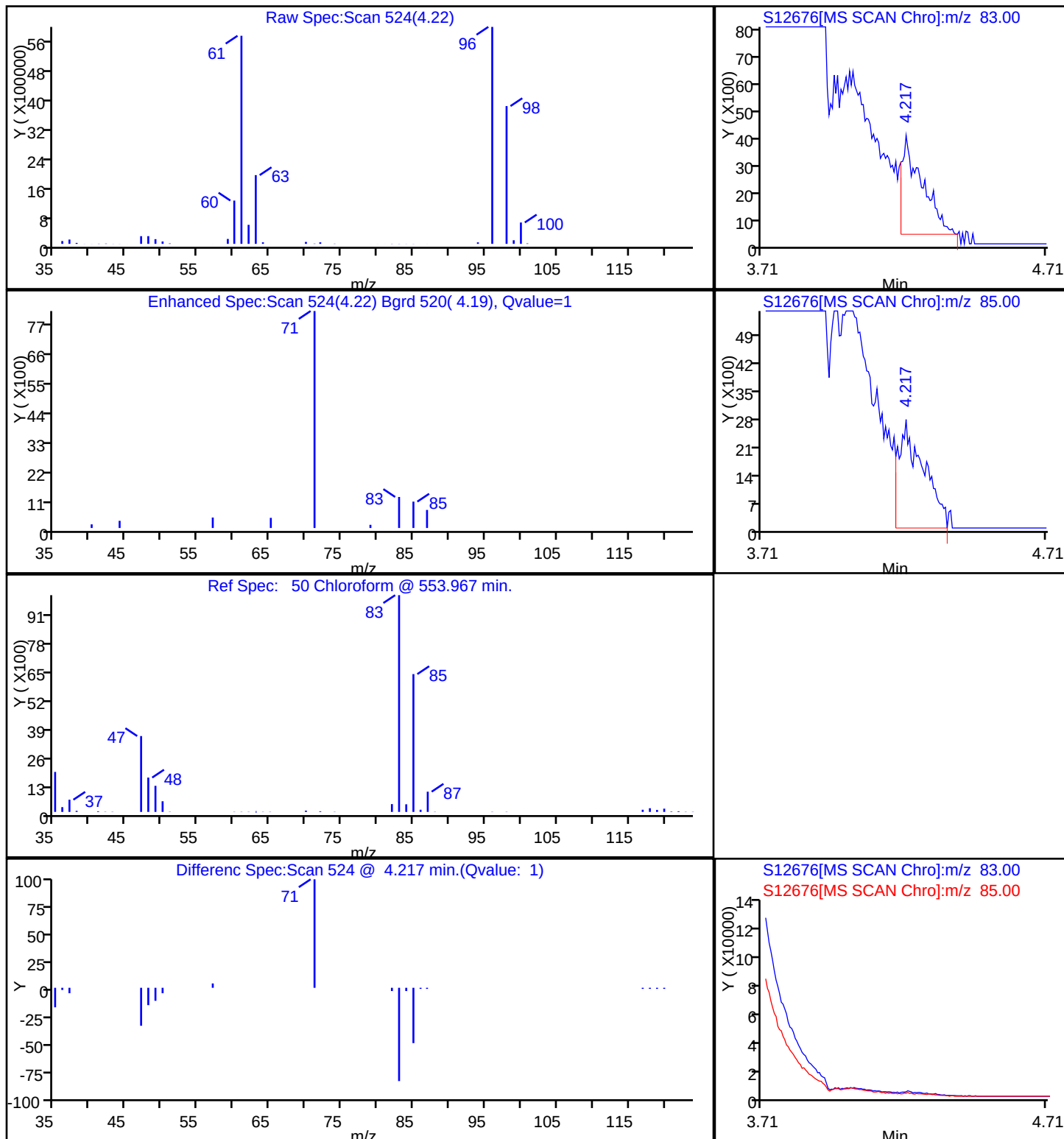
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Operator ID: DHC

Column Type: ZB-624

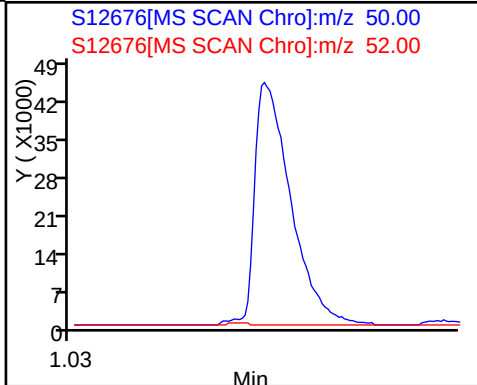
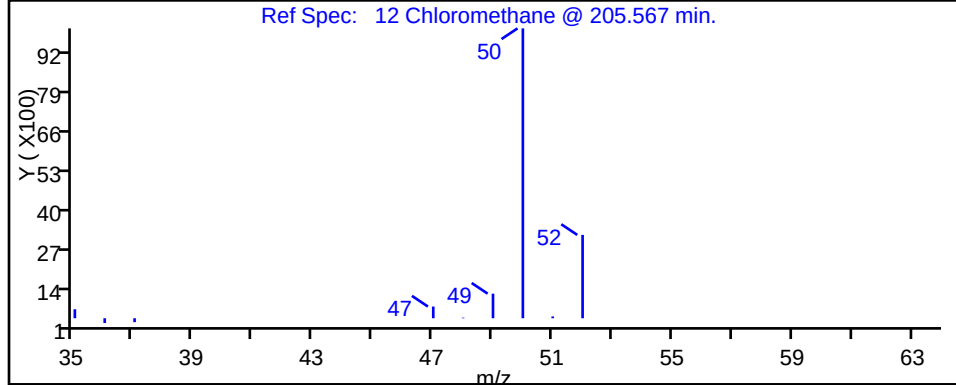
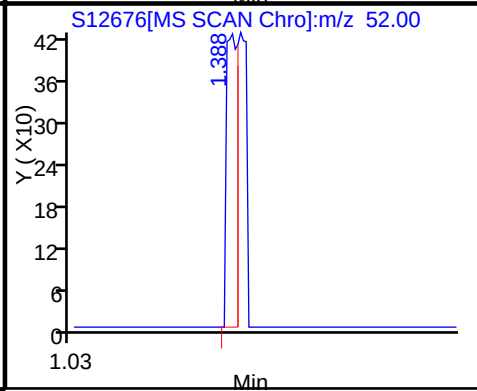
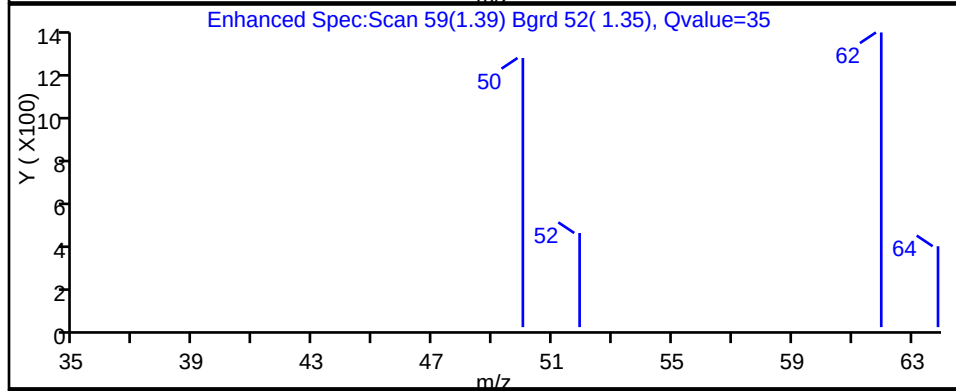
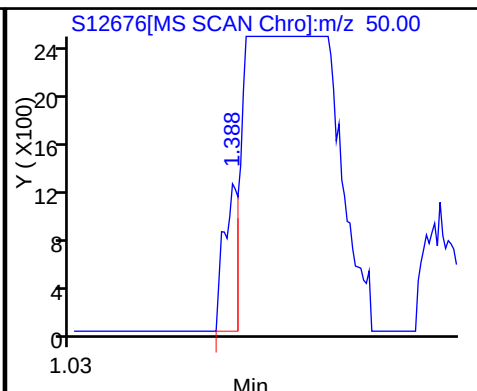
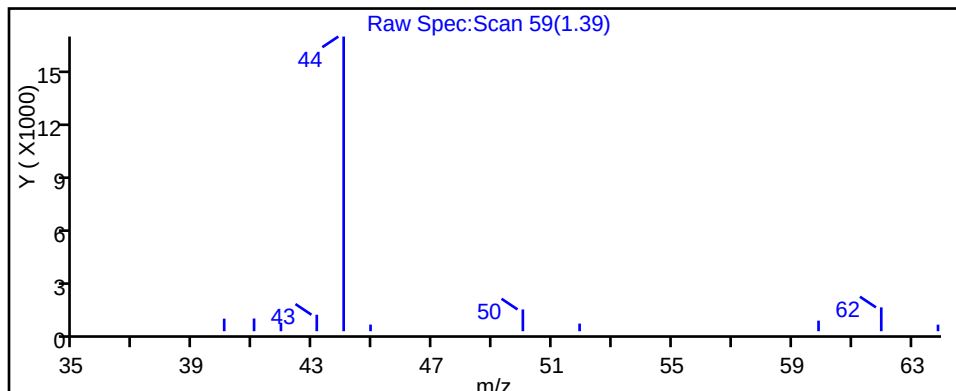
Column Dia: 0.25 mm

50 Chloroform



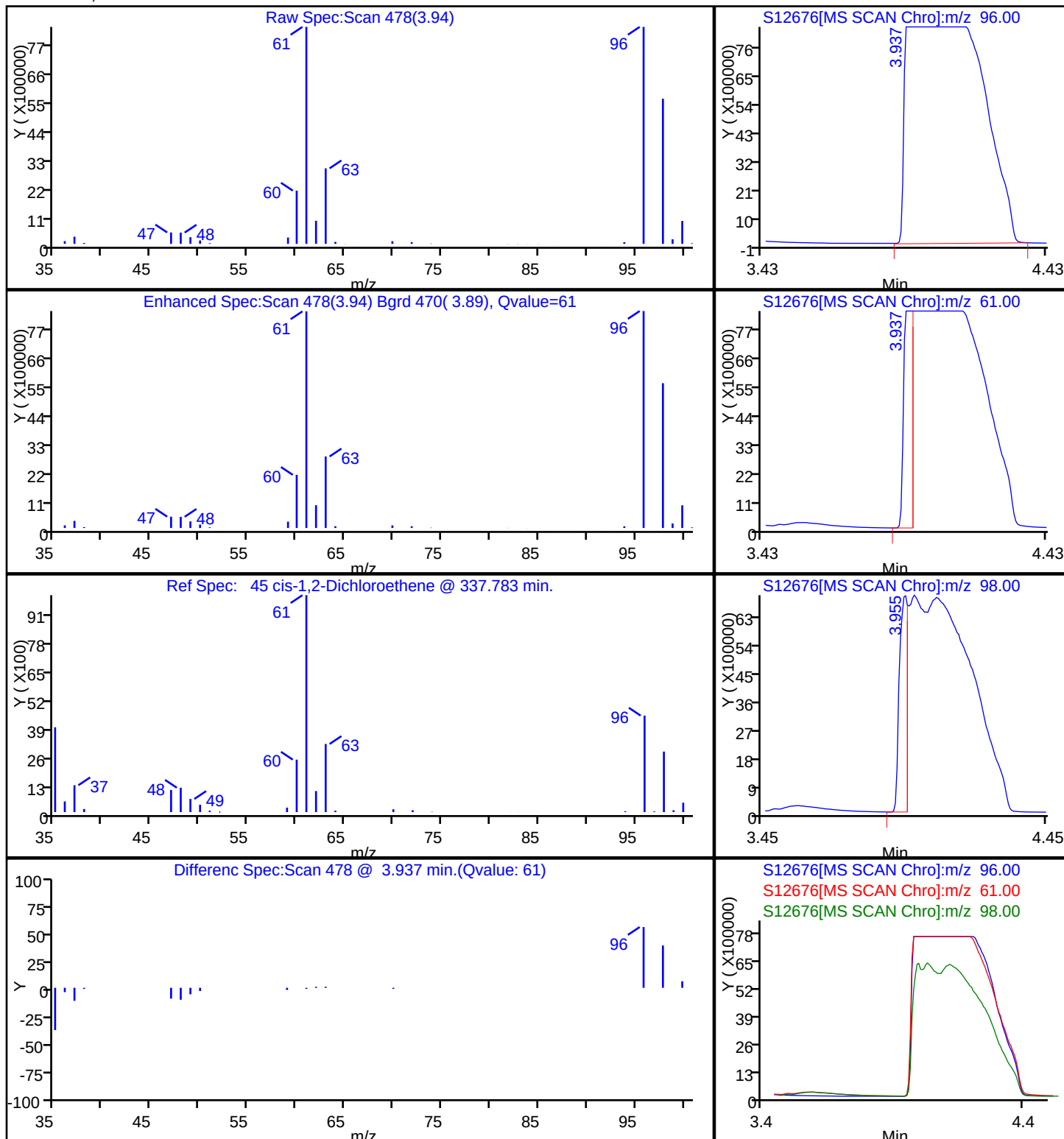
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Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
12 Chloromethane

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
45 cis-1,2-Dichloroethene

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

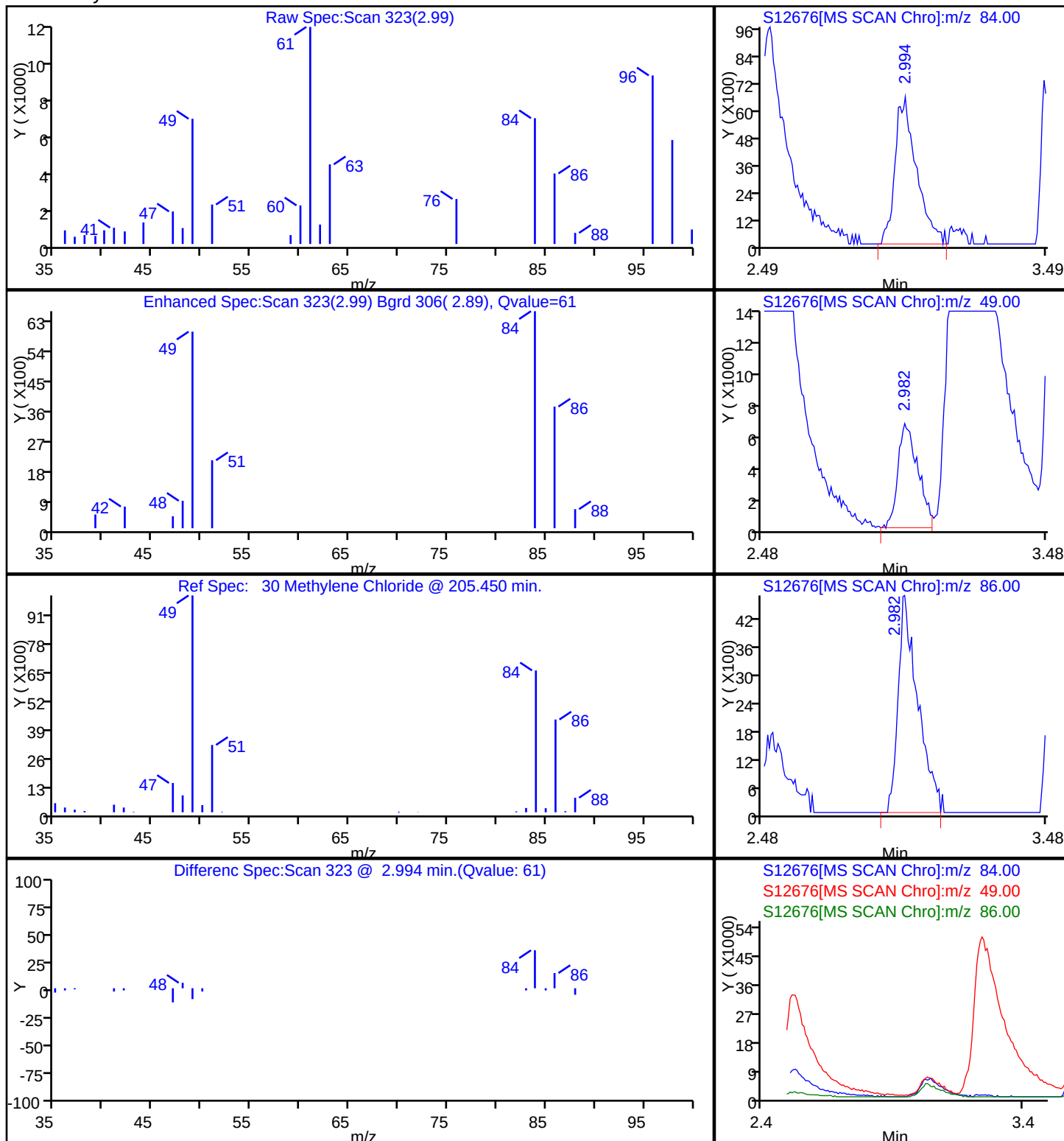
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

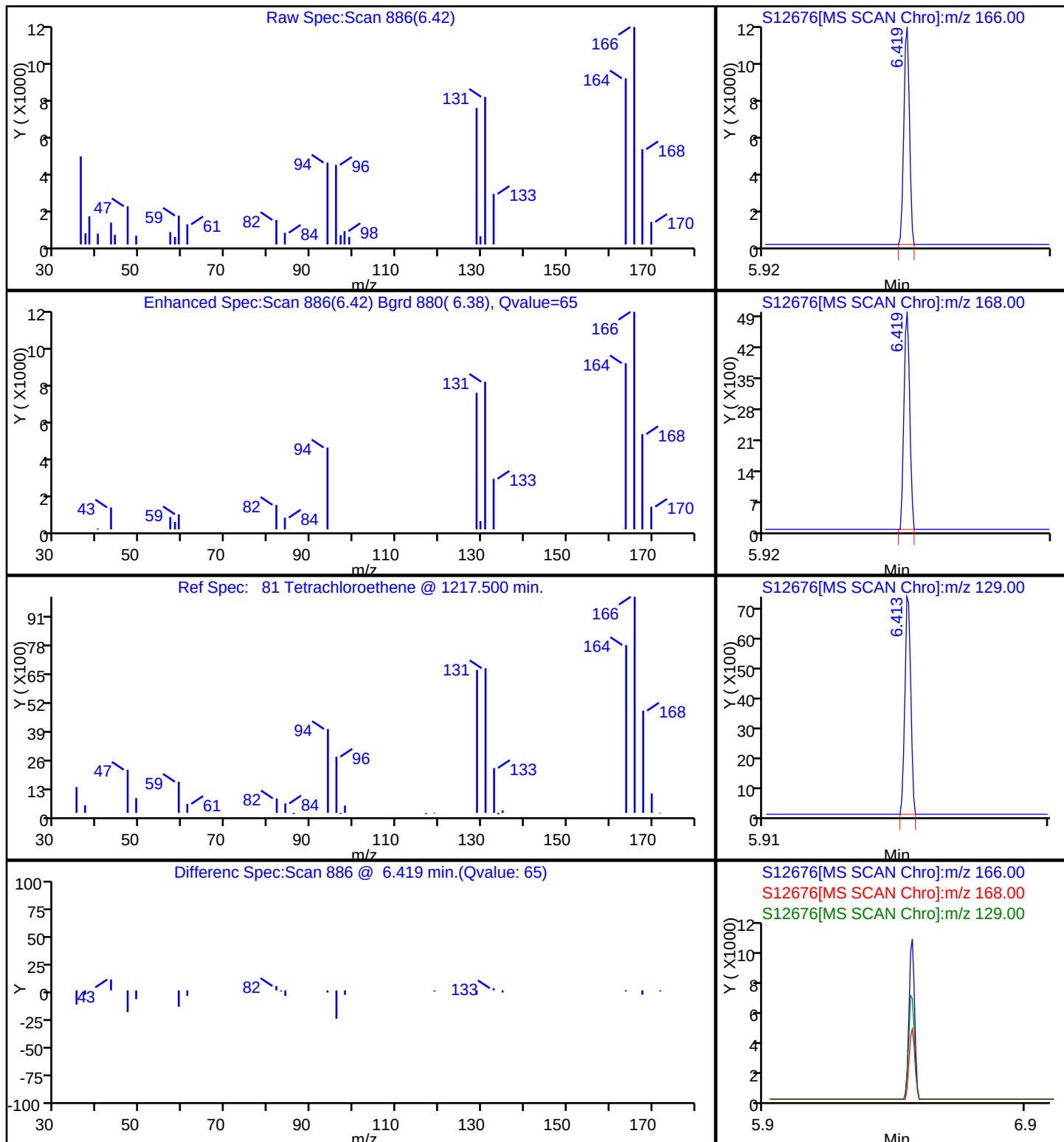
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

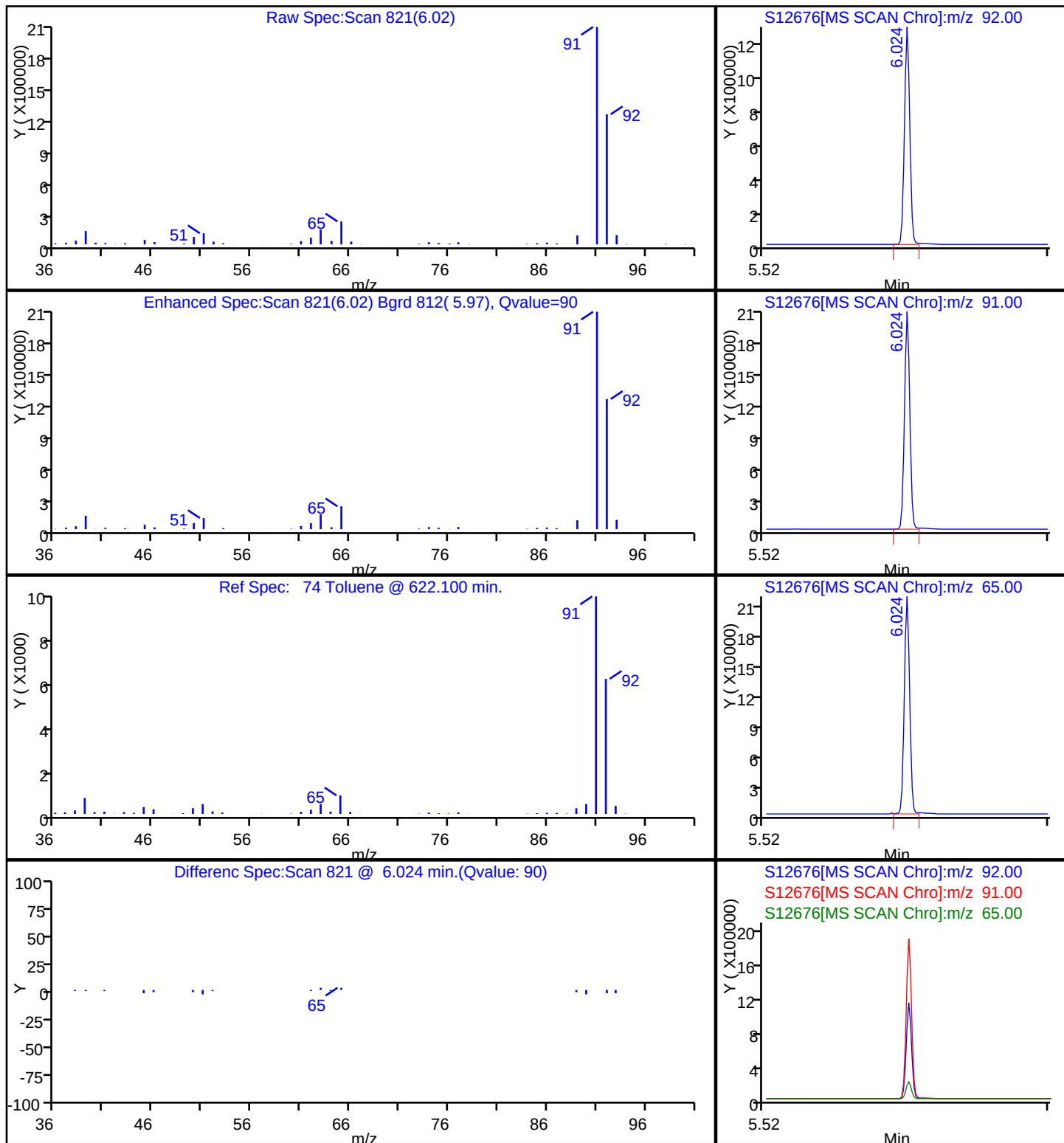
Column Dia: 0.25 mm

81 Tetrachloroethene



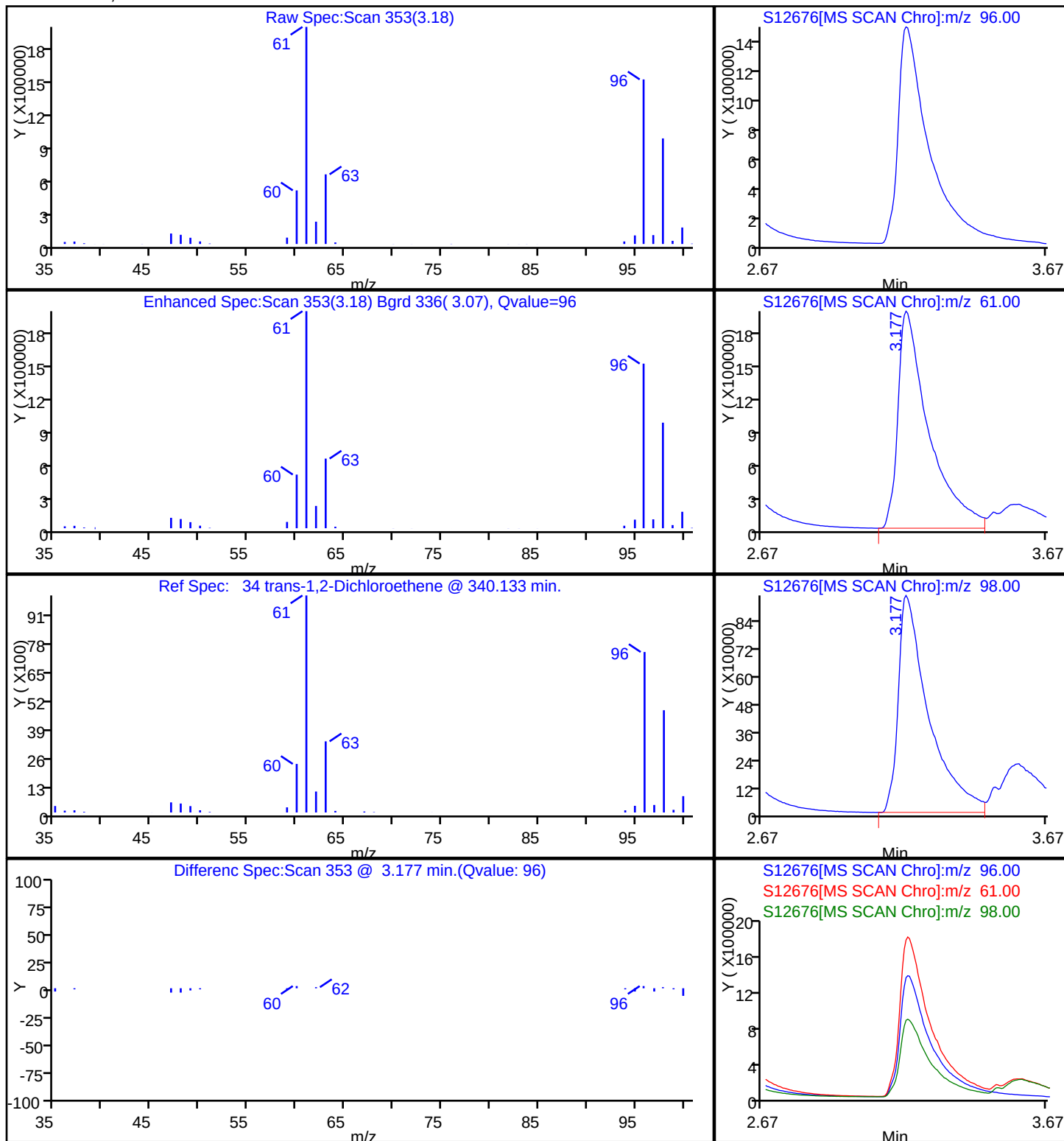
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Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
74 Toluene

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
34 trans-1,2-Dichloroethene

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

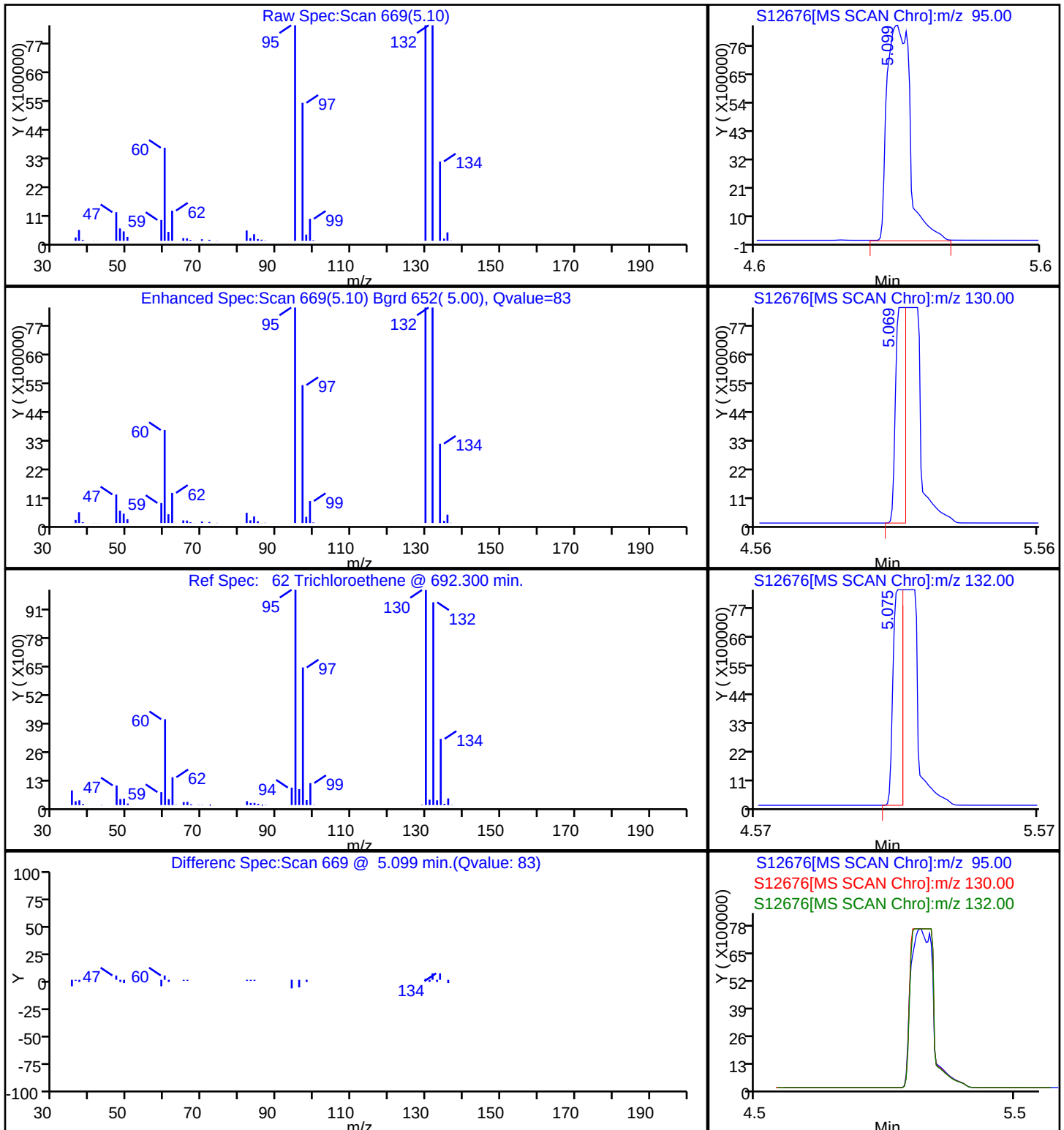
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

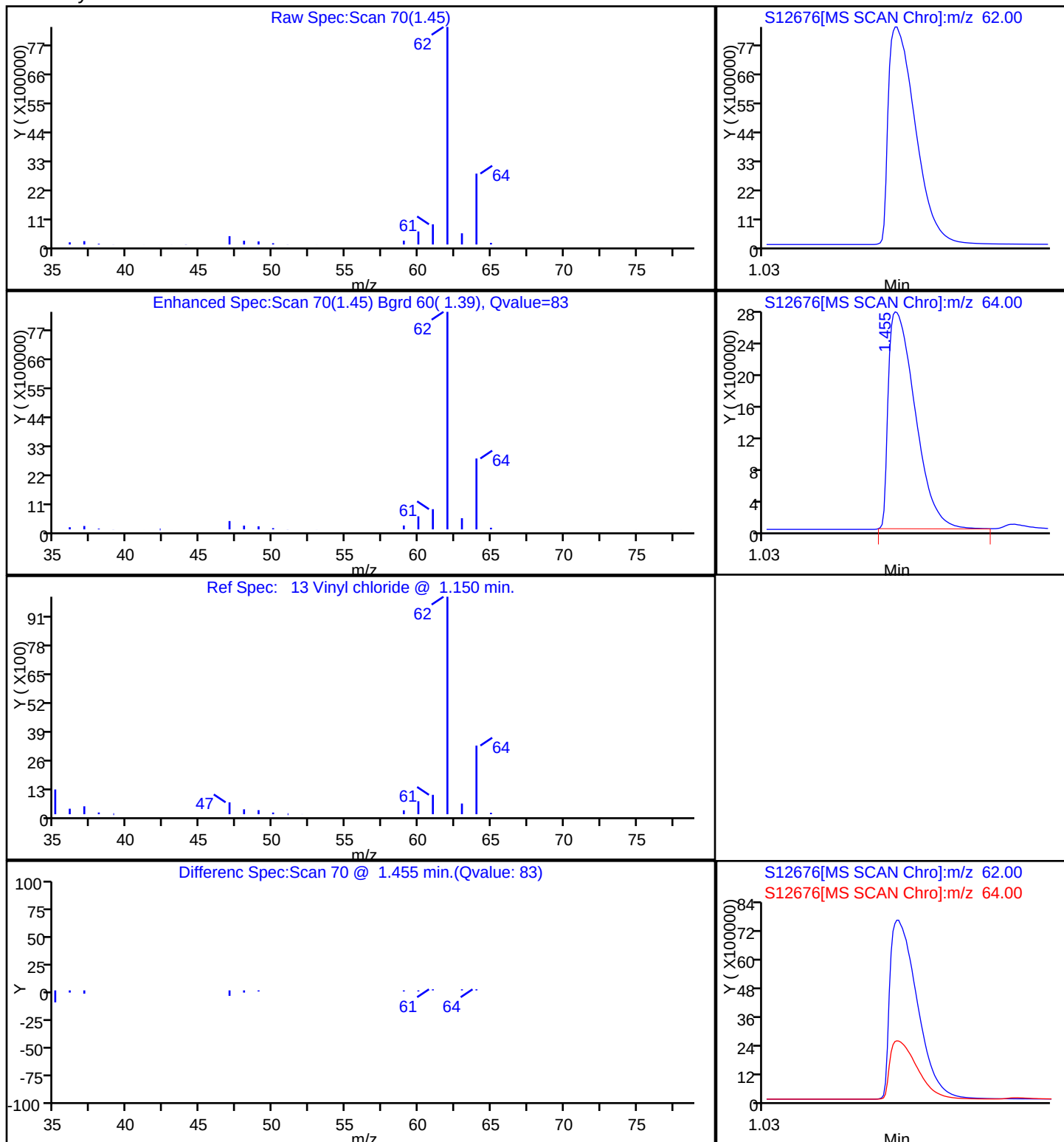
62 Trichloroethene



Report Date: 06-Apr-2012 08:39:10
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30
Client ID: Duplicate
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm

13 Vinyl chloride



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

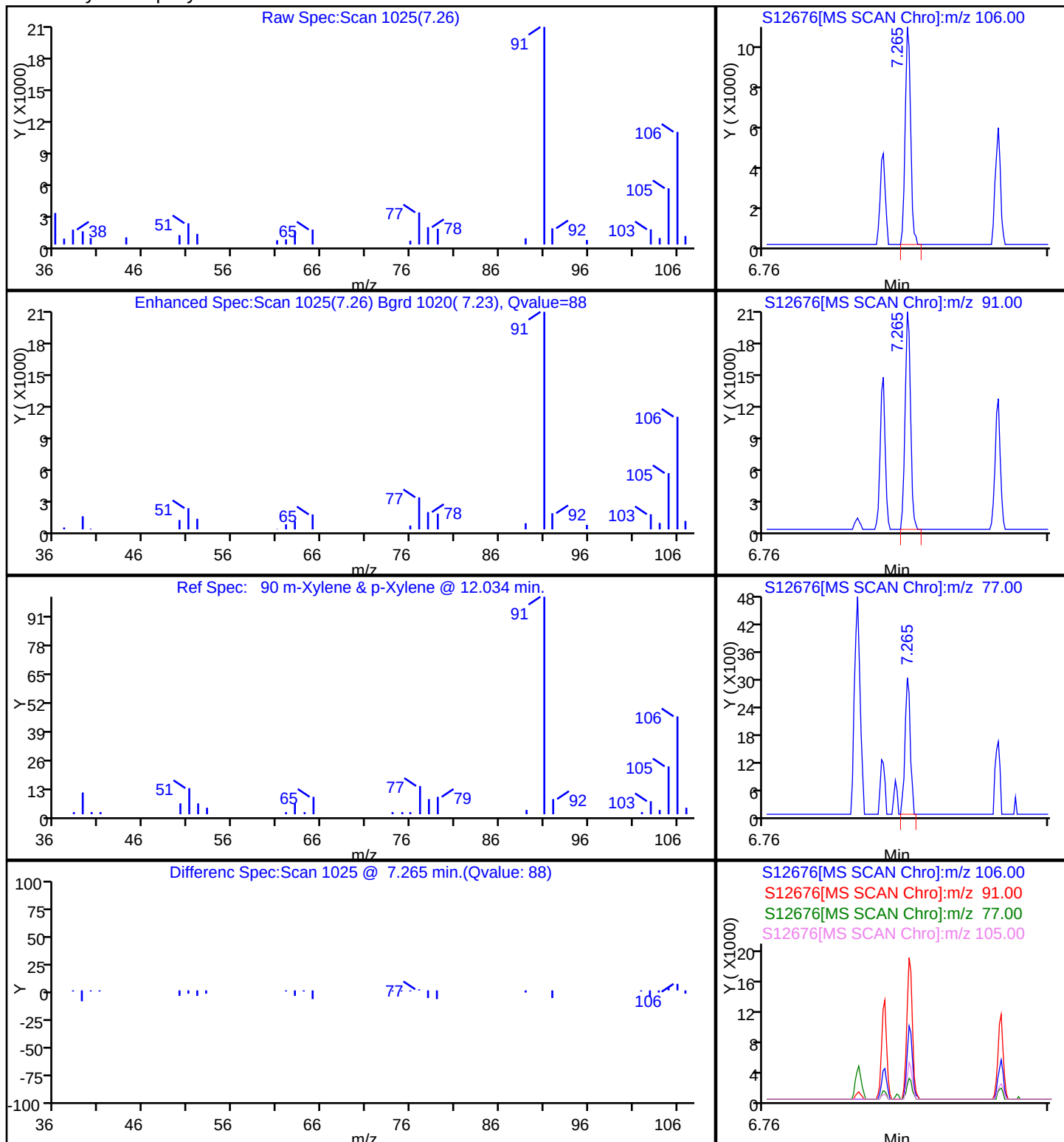
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 06-Apr-2012 08:39:10

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D

Injection Date: 05-Apr-2012 14:44:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58271

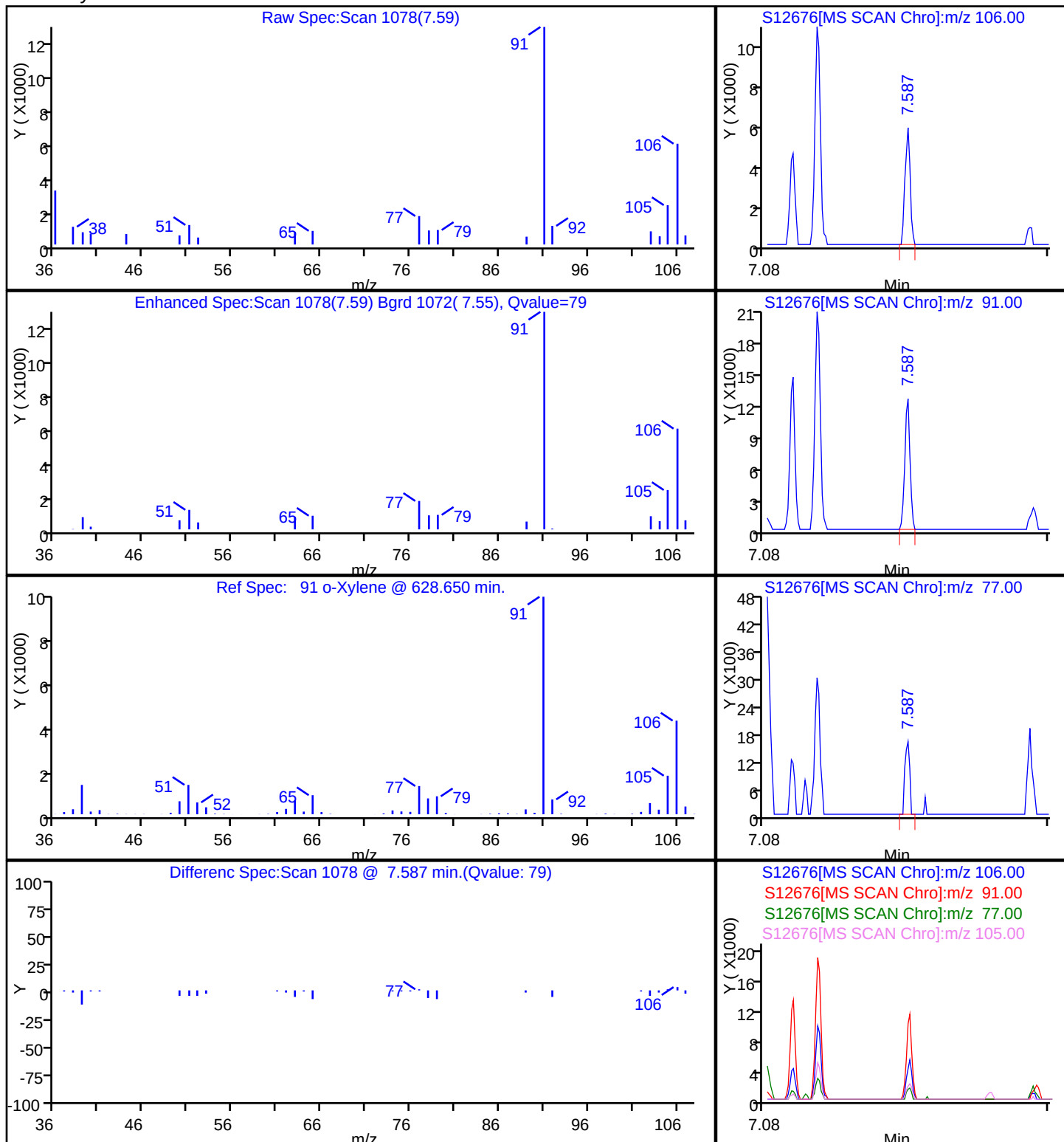
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene

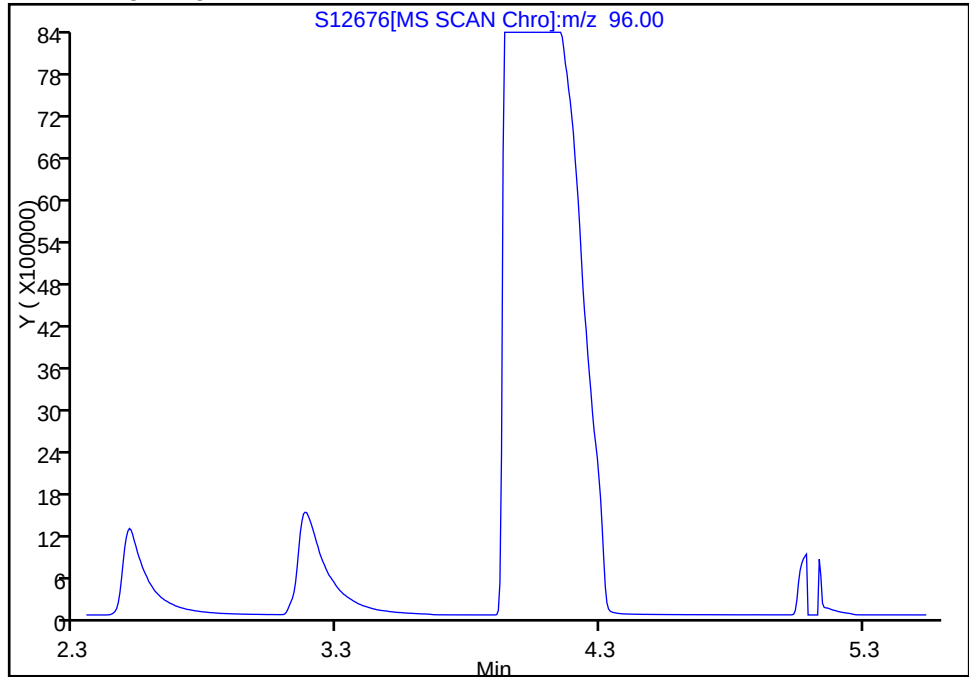


Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30 Limit Group: MV - 8260B ICAL
Client ID: Duplicate Instrument ID: HP5973S
Lims Batch ID: 58271 Lims Sample ID: 11
Operator ID: DHC
Column Type: ZB-624 Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 3.94

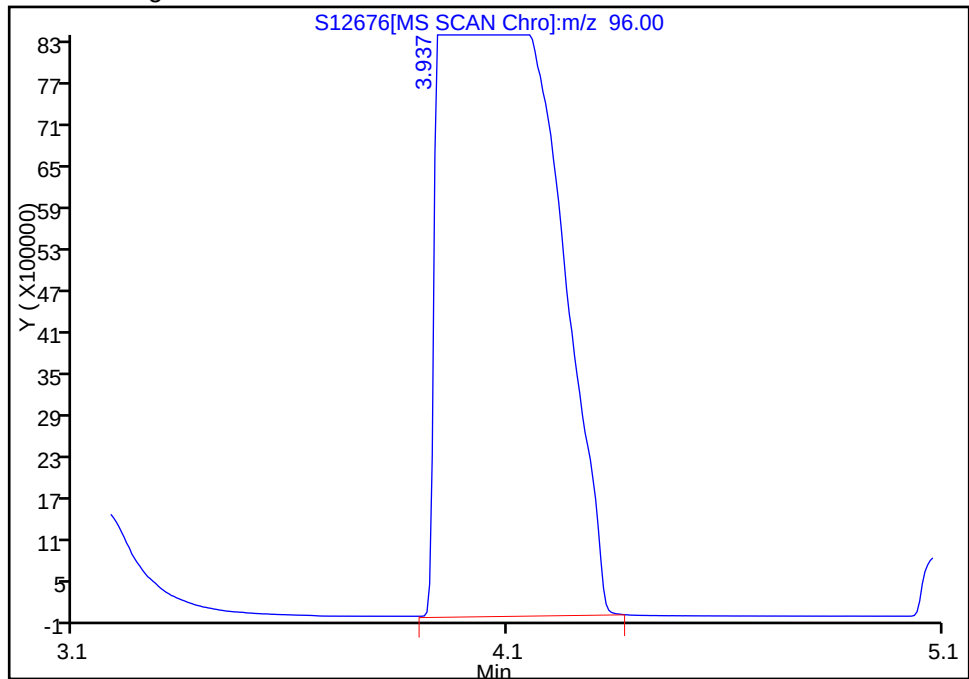
Not Detected
Expected RT: 3.94

Processing Integration Results



RT: 3.94
Response: 161636540
Amount: 19026

Manual Integration Results



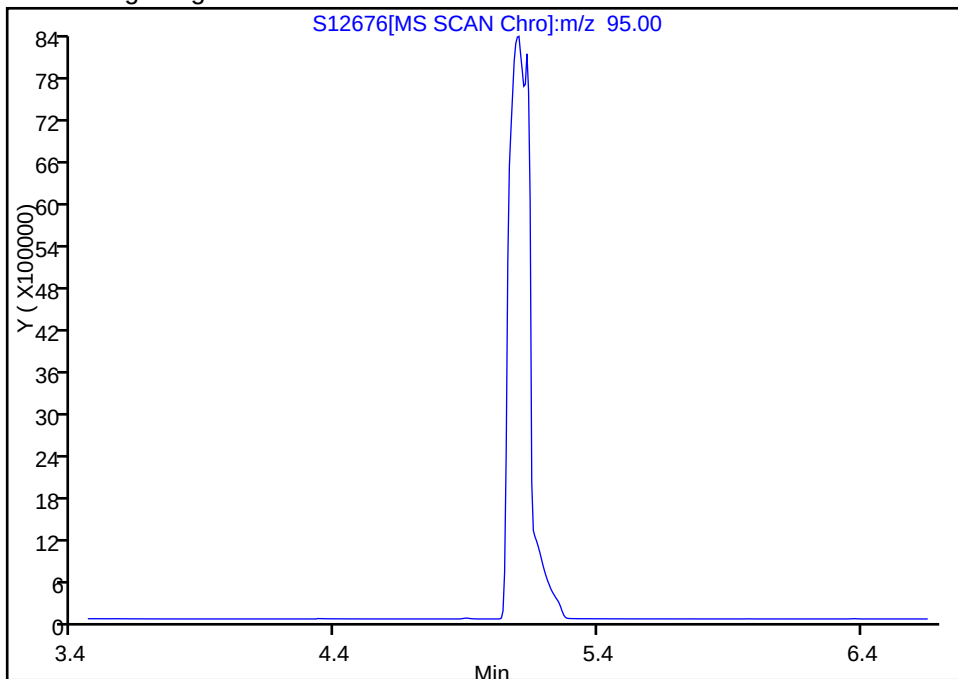
Reviewer: coderd, 06-Apr-2012 08:37:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12676.D
Injection Date: 05-Apr-2012 14:44:30 Limit Group: MV - 8260B ICAL
Client ID: Duplicate Instrument ID: HP5973S
Lims Batch ID: 58271 Lims Sample ID: 11
Operator ID: DHC
Column Type: ZB-624 Column Dia: 0.25 mm

62 Trichloroethene, Signal: 1, m/z: 95.0 Type: quant, RT: 5.06

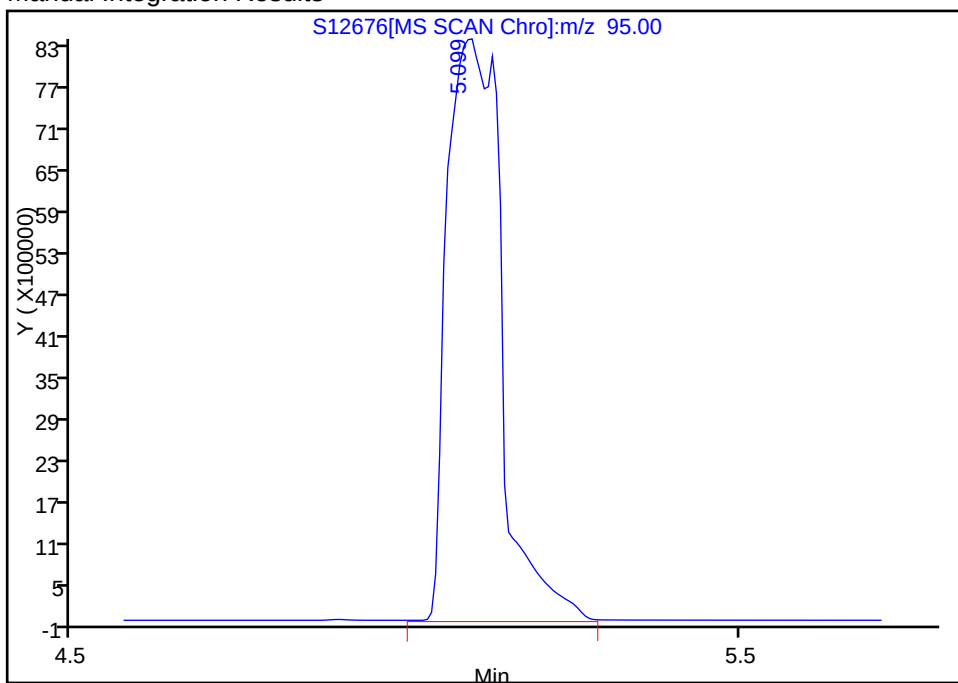
Not Detected
Expected RT: 5.06

Processing Integration Results



RT: 5.10
Response: 47644036
Amount: 5861.4505

Manual Integration Results



Reviewer: coderd, 06-Apr-2012 08:39:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: Duplicate DL Lab Sample ID: 480-18001-9 DL

Matrix: Water Lab File ID: S12741.D

Analysis Method: 8260B Date Collected: 04/03/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 23:29

Soil Aliquot Vol: _____ Dilution Factor: 2500

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2500	2100
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	530
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	780
79-00-5	1,1,2-Trichloroethane	ND		2500	580
75-34-3	1,1-Dichloroethane	1900	J	2500	950
75-35-4	1,1-Dichloroethene	ND		2500	730
120-82-1	1,2,4-Trichlorobenzene	ND		2500	1000
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2500	980
106-93-4	1,2-Dibromoethane	ND		2500	1800
95-50-1	1,2-Dichlorobenzene	ND		2500	2000
107-06-2	1,2-Dichloroethane	ND		2500	530
78-87-5	1,2-Dichloropropane	ND		2500	1800
541-73-1	1,3-Dichlorobenzene	ND		2500	2000
106-46-7	1,4-Dichlorobenzene	ND		2500	2100
78-93-3	2-Butanone (MEK)	ND		25000	3300
591-78-6	2-Hexanone	ND		13000	3100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		13000	5300
67-64-1	Acetone	ND		25000	7500
71-43-2	Benzene	ND		2500	1000
75-27-4	Bromodichloromethane	ND		2500	980
75-25-2	Bromoform	ND		2500	650
74-83-9	Bromomethane	ND		2500	1700
75-15-0	Carbon disulfide	ND		2500	480
56-23-5	Carbon tetrachloride	ND		2500	680
108-90-7	Chlorobenzene	ND		2500	1900
75-00-3	Chloroethane	ND		2500	800
67-66-3	Chloroform	ND		2500	850
74-87-3	Chloromethane	ND		2500	880
156-59-2	cis-1,2-Dichloroethene	130000		2500	2000
10061-01-5	cis-1,3-Dichloropropene	ND		2500	900
110-82-7	Cyclohexane	ND		2500	450
124-48-1	Dibromochloromethane	ND		2500	800
75-71-8	Dichlorodifluoromethane	ND		2500	1700
100-41-4	Ethylbenzene	ND		2500	1900
98-82-8	Isopropylbenzene	ND		2500	2000

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Duplicate DL Lab Sample ID: 480-18001-9 DL
 Matrix: Water Lab File ID: S12741.D
 Analysis Method: 8260B Date Collected: 04/03/2012 08:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 23:29
 Soil Aliquot Vol: _____ Dilution Factor: 2500
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2500	1300
1634-04-4	Methyl tert-butyl ether	ND		2500	400
108-87-2	Methylcyclohexane	ND		2500	400
75-09-2	Methylene Chloride	ND		2500	1100
100-42-5	Styrene	ND		2500	1800
127-18-4	Tetrachloroethene	ND		2500	900
108-88-3	Toluene	ND		2500	1300
156-60-5	trans-1,2-Dichloroethene	ND		2500	2300
10061-02-6	trans-1,3-Dichloropropene	ND		2500	930
79-01-6	Trichloroethene	40000		2500	1200
75-69-4	Trichlorofluoromethane	ND		2500	2200
75-01-4	Vinyl chloride	8600		2500	2300
1330-20-7	Xylenes, Total	ND		5000	1700

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12741.D
 Lims ID: 480-18001-B-9 Client ID: Duplicate
 Inject. Date: 06-Apr-2012 23:29:30 Dil. Factor: 2500.0000
 Sample Type: Client
 Sample ID: 480-18001-B-9
 Misc. Info.: 480-0010796-006 =480-0010796-006
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 1
 Lims Batch ID: 58561 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
 Last Update: 06-Apr-2012 23:15:30 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 07-Apr-2012 10:20:28

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	832799	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	433362	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	371120	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	152273	30.0	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	991183	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	263070	27.3	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.394					
13 Vinyl chloride	62	1.467	1.461	0.006	47	30450	3.45	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.856					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.641					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.951					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
39 1,1-Dichloroethane	63	3.481	3.481	0.0	40	10822	0.7508	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	495385	52.4	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	93	144879	16.0	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 07-Apr-2012 10:20:28

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12741.D

Injection Date: 06-Apr-2012 23:29:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58561

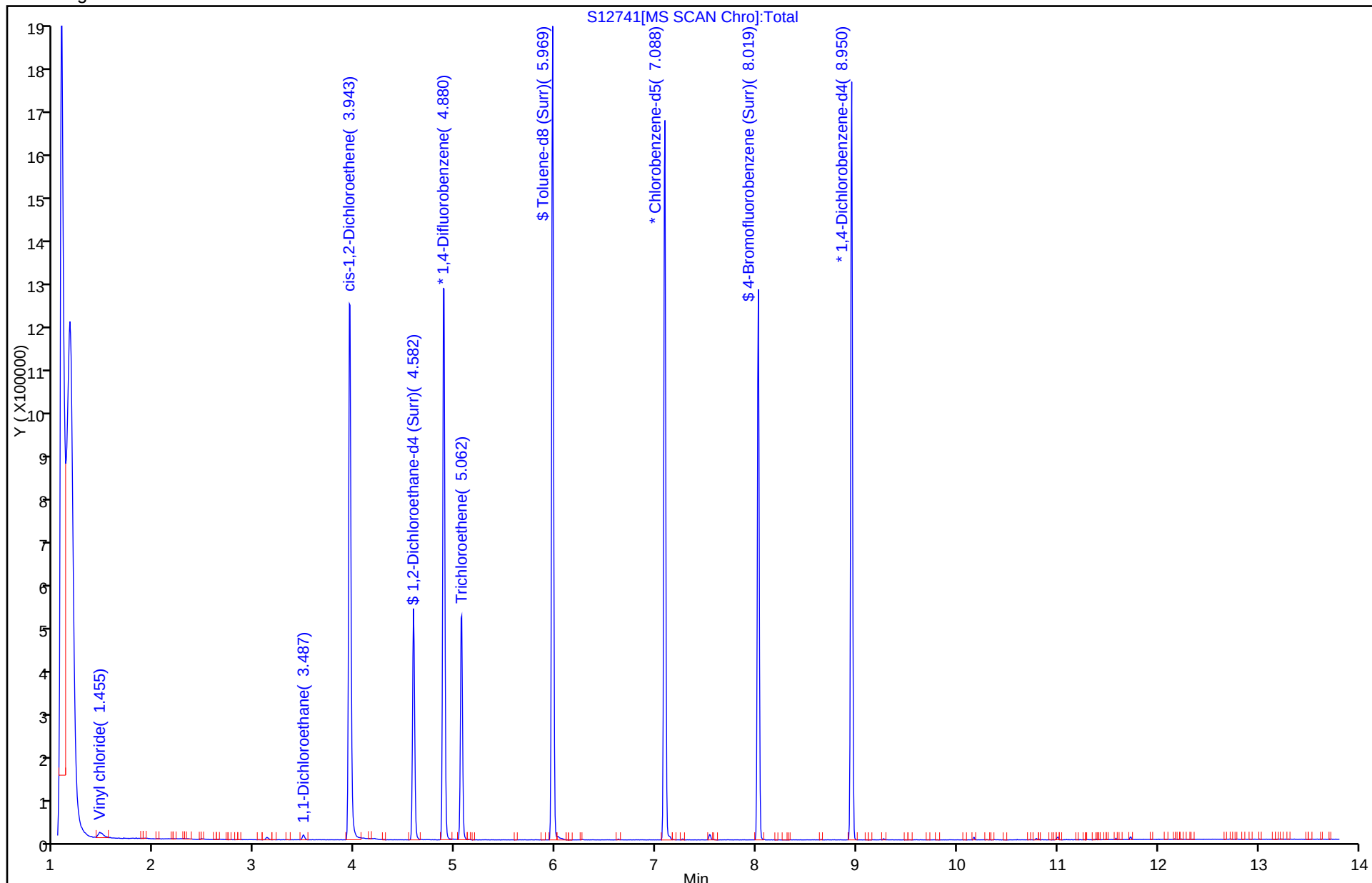
Lims Sample ID: 6

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 07-Apr-2012 10:20:28

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12741.D

Injection Date: 06-Apr-2012 23:29:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58561

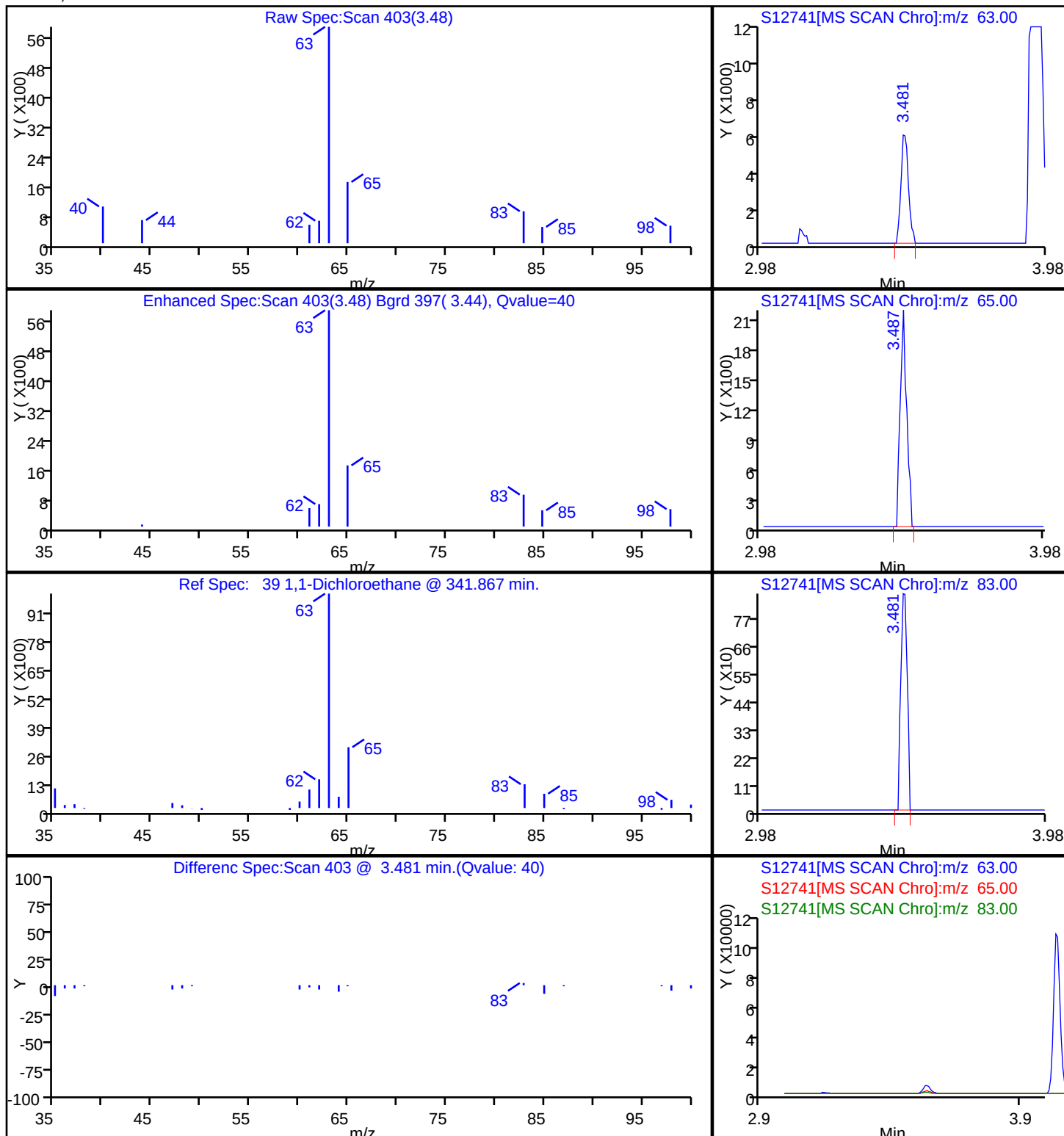
Lims Sample ID: 6

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 07-Apr-2012 10:20:28

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12741.D

Injection Date: 06-Apr-2012 23:29:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58561

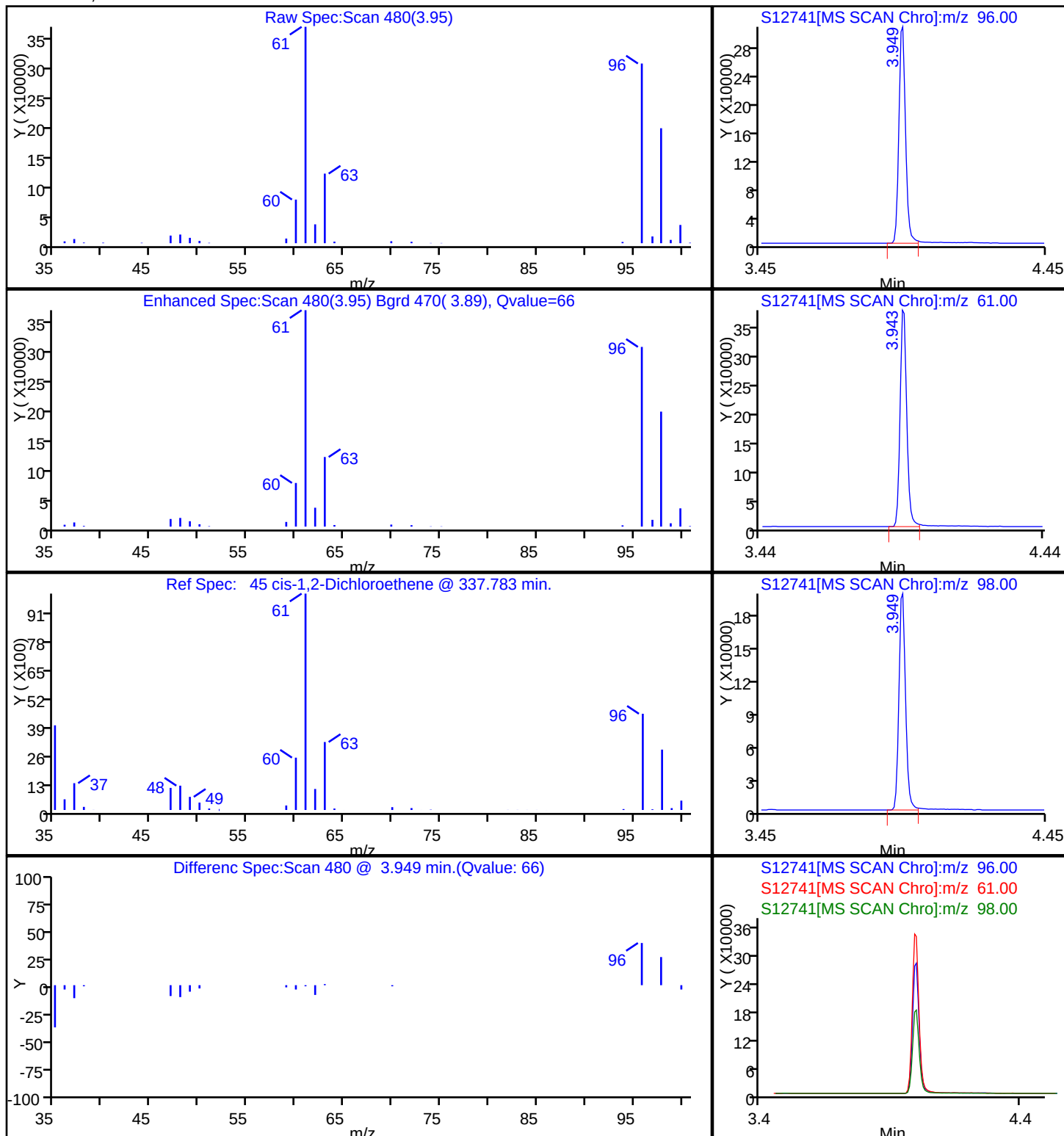
Lims Sample ID: 6

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12741.D

Injection Date: 06-Apr-2012 23:29:30

Limit Group: MV - 8260B ICAL

Client ID: Duplicate

Instrument ID: HP5973S

Lims Batch ID: 58561

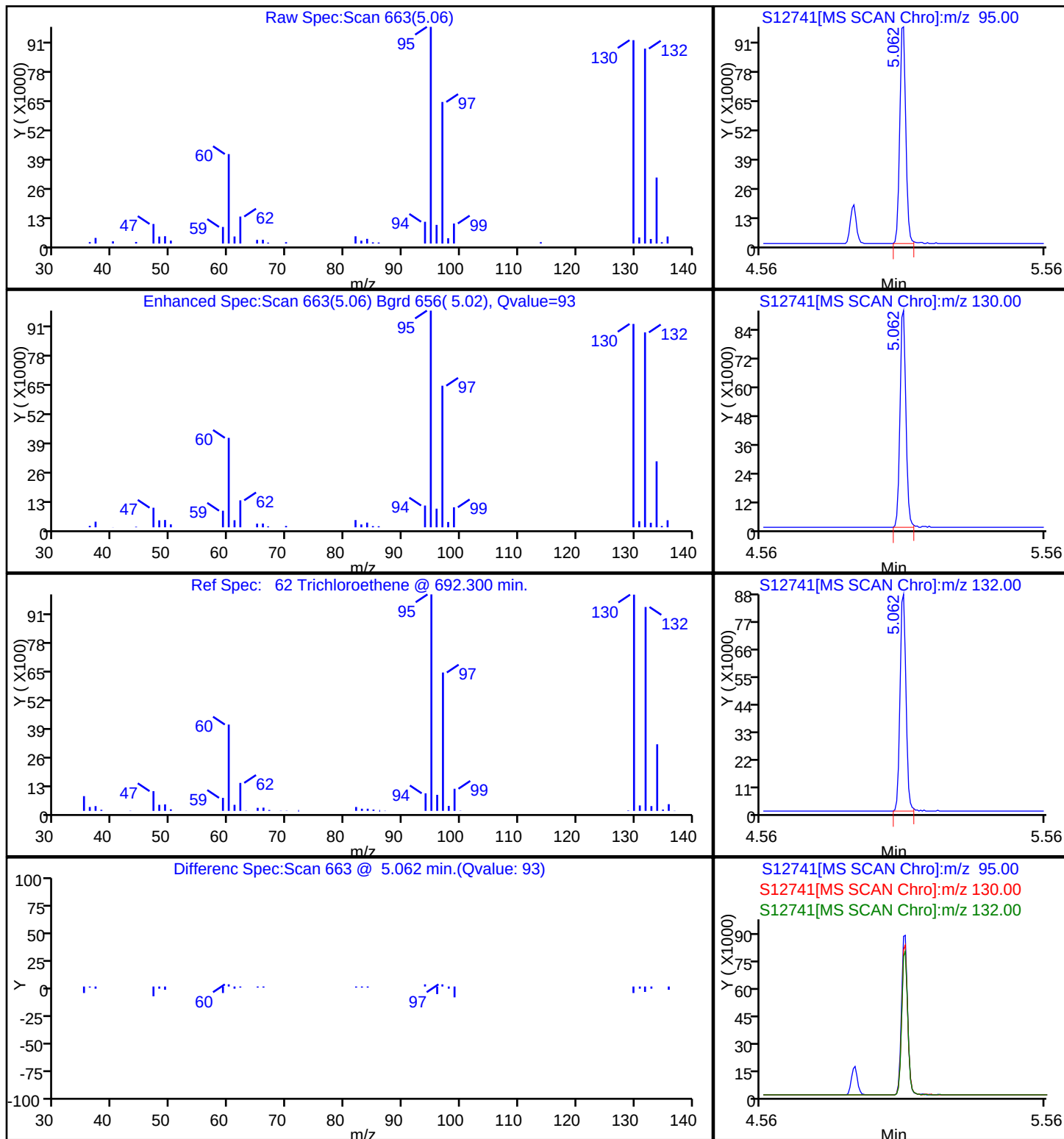
Lims Sample ID: 6

Operator ID: RAL

Column Type: ZB-624

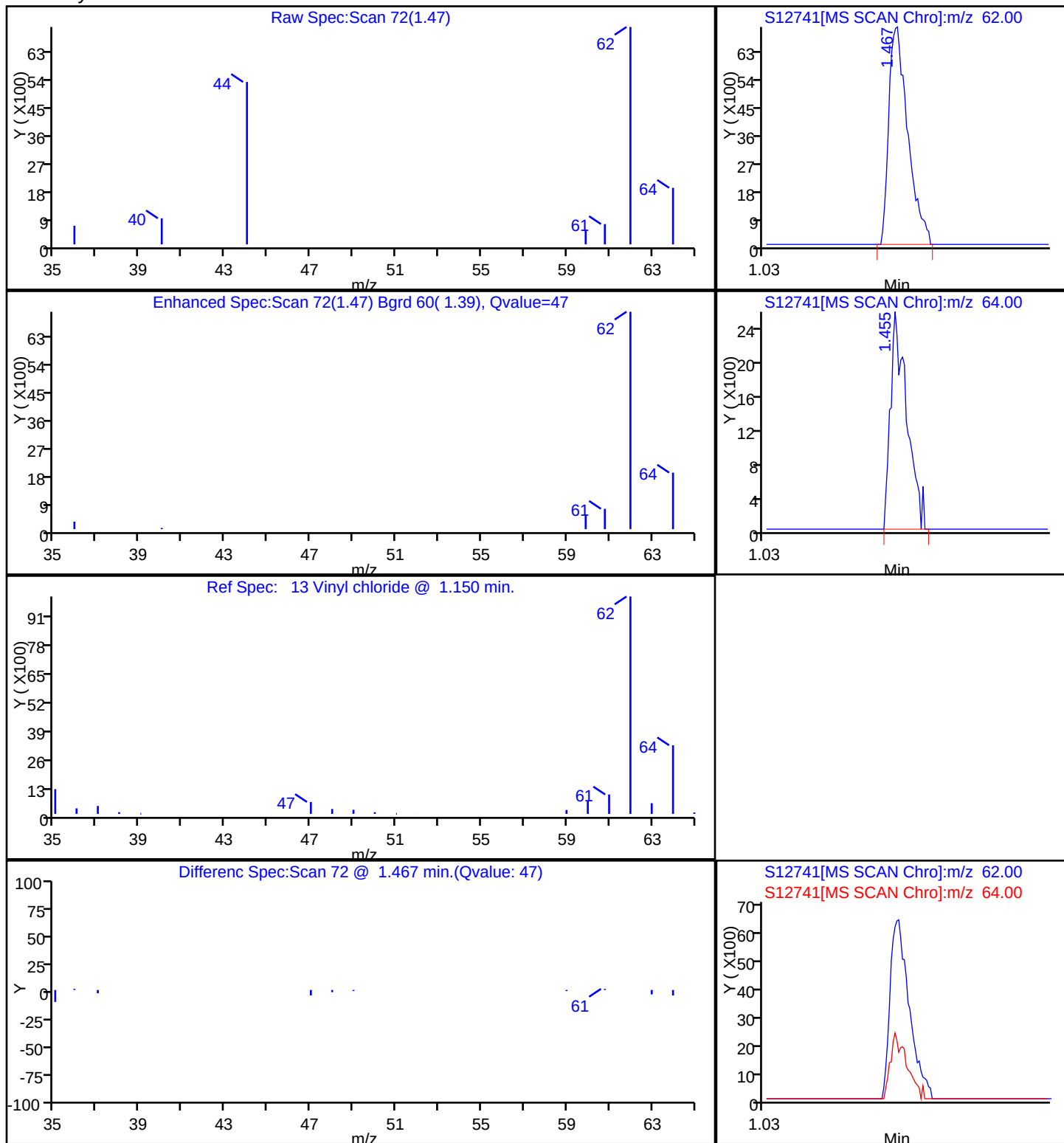
Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 07-Apr-2012 10:20:28
Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12741.D
Injection Date: 06-Apr-2012 23:29:30
Client ID: Duplicate
Lims Batch ID: 58561
Operator ID: RAL
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 6
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: Rinse Blank Lab Sample ID: 480-18001-10

Matrix: Water Lab File ID: S12715.D

Analysis Method: 8260B Date Collected: 04/02/2012 16:45

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 13:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Rinse Blank Lab Sample ID: 480-18001-10
 Matrix: Water Lab File ID: S12715.D
 Analysis Method: 8260B Date Collected: 04/02/2012 16:45
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 13:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.56	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12715.D
 Lims ID: 480-18001-B-10 Client ID: Rinse Blank
 Inject. Date: 06-Apr-2012 13:27:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-B-10
 Misc. Info.: 480-0010775-008 =480-0010775-008
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 58433 Lims Sample ID: 8
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 17:15:05 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 17:20:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	825653	25.0	
* 2 Chlorobenzene-d5	82	7.082	7.082	0.0	86	430658	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	373676	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	148637	29.5	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	974823	30.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	257752	26.9	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.735					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84	2.970	2.963	0.007	31	5801	0.5605	
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12715.D

Injection Date: 06-Apr-2012 13:27:30

Limit Group: MV - 8260B ICAL

Client ID: Rinse Blank

Instrument ID: HP5973S

Lims Batch ID: 58433

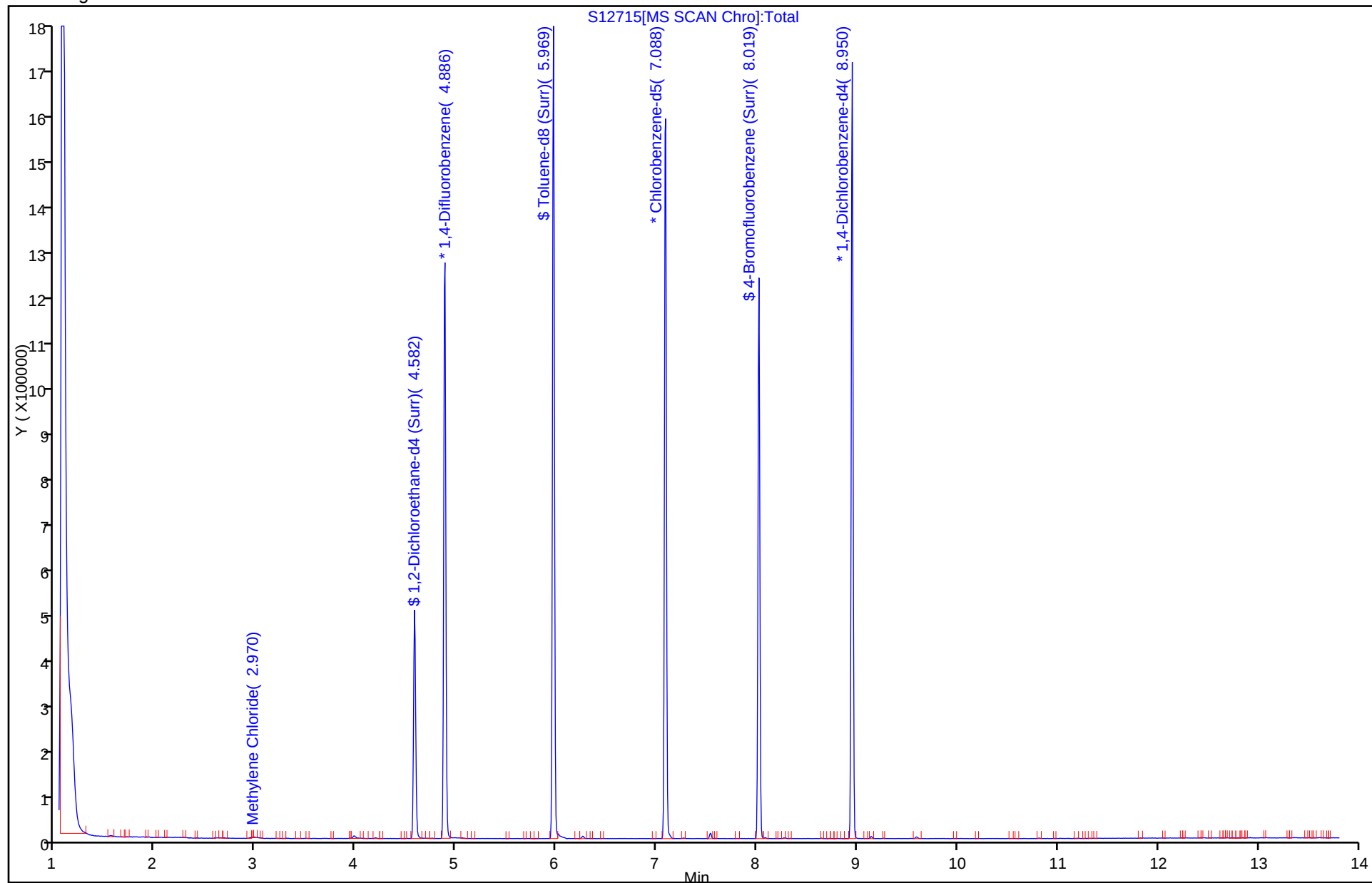
Lims Sample ID: 8

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 17:20:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12715.D

Injection Date: 06-Apr-2012 13:27:30

Limit Group: MV - 8260B ICAL

Client ID: Rinse Blank

Instrument ID: HP5973S

Lims Batch ID: 58433

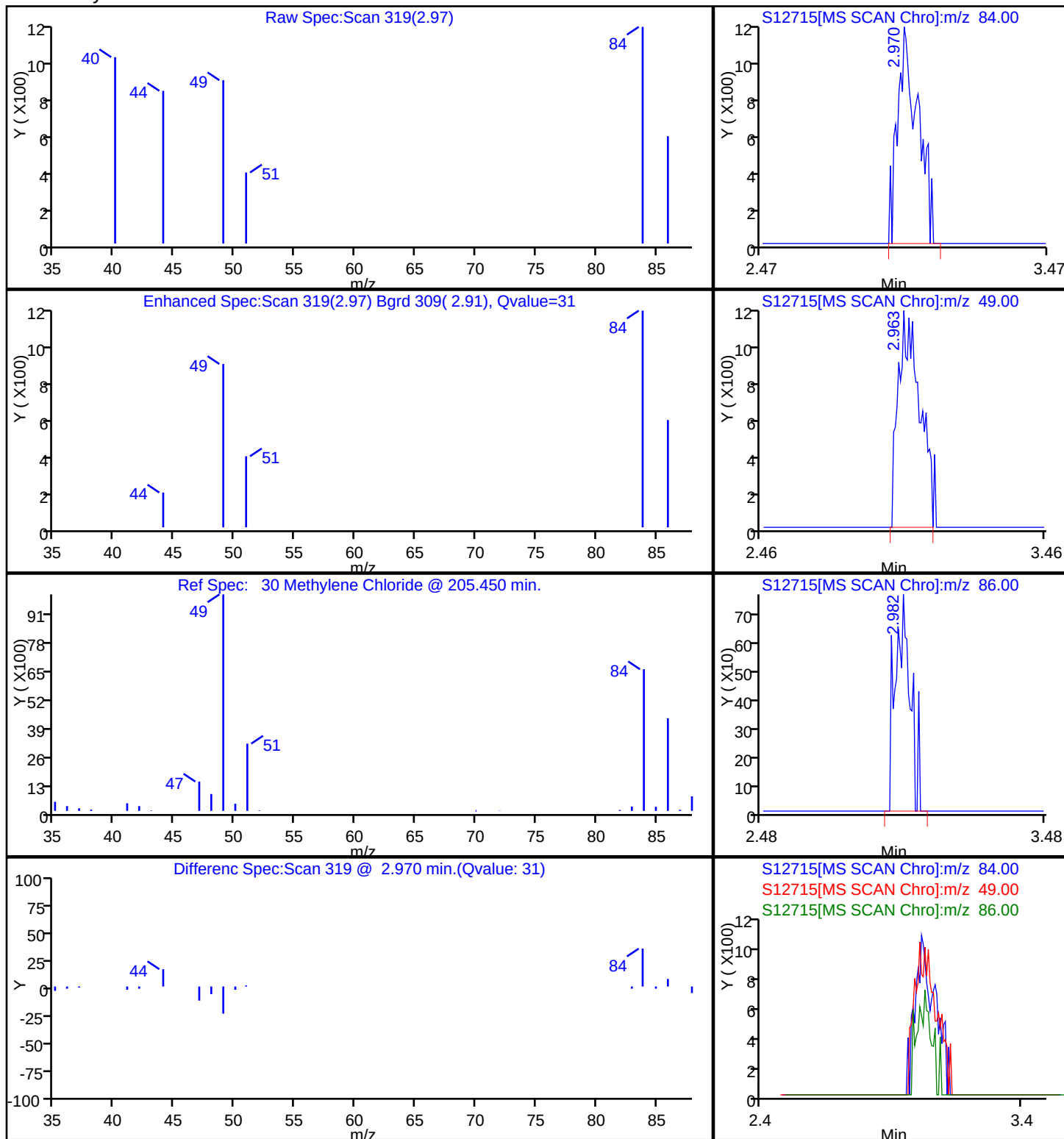
Lims Sample ID: 8

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-4 Lab Sample ID: 480-18001-11

Matrix: Ground Water Lab File ID: S12678.D

Analysis Method: 8260B Date Collected: 04/03/2012 11:30

Sample wt/vol: 5 (mL) Date Analyzed: 04/05/2012 15:26

Soil Aliquot Vol: _____ Dilution Factor: 200

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		200	160
79-34-5	1,1,2,2-Tetrachloroethane	ND		200	42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62
79-00-5	1,1,2-Trichloroethane	ND		200	46
75-34-3	1,1-Dichloroethane	2000		200	76
75-35-4	1,1-Dichloroethene	770		200	58
120-82-1	1,2,4-Trichlorobenzene	ND		200	82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		200	78
106-93-4	1,2-Dibromoethane	ND		200	150
95-50-1	1,2-Dichlorobenzene	ND		200	160
107-06-2	1,2-Dichloroethane	ND		200	42
78-87-5	1,2-Dichloropropane	ND		200	140
541-73-1	1,3-Dichlorobenzene	ND		200	160
106-46-7	1,4-Dichlorobenzene	ND		200	170
78-93-3	2-Butanone (MEK)	ND		2000	260
591-78-6	2-Hexanone	ND		1000	250
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		1000	420
67-64-1	Acetone	ND		2000	600
71-43-2	Benzene	ND		200	82
75-27-4	Bromodichloromethane	ND		200	78
75-25-2	Bromoform	ND		200	52
74-83-9	Bromomethane	ND		200	140
75-15-0	Carbon disulfide	ND		200	38
56-23-5	Carbon tetrachloride	ND		200	54
108-90-7	Chlorobenzene	ND		200	150
75-00-3	Chloroethane	ND		200	64
67-66-3	Chloroform	ND		200	68
74-87-3	Chloromethane	ND		200	70
156-59-2	cis-1,2-Dichloroethene	130000	E	200	160
10061-01-5	cis-1,3-Dichloropropene	ND		200	72
110-82-7	Cyclohexane	ND		200	36
124-48-1	Dibromochloromethane	ND		200	64
75-71-8	Dichlorodifluoromethane	ND		200	140
100-41-4	Ethylbenzene	ND		200	150
98-82-8	Isopropylbenzene	ND		200	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-4 Lab Sample ID: 480-18001-11
 Matrix: Ground Water Lab File ID: S12678.D
 Analysis Method: 8260B Date Collected: 04/03/2012 11:30
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 15:26
 Soil Aliquot Vol: _____ Dilution Factor: 200
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		200	100
1634-04-4	Methyl tert-butyl ether	ND		200	32
108-87-2	Methylcyclohexane	ND		200	32
75-09-2	Methylene Chloride	ND		200	88
100-42-5	Styrene	ND		200	150
127-18-4	Tetrachloroethene	ND		200	72
108-88-3	Toluene	ND		200	100
156-60-5	trans-1,2-Dichloroethene	790		200	180
10061-02-6	trans-1,3-Dichloropropene	ND		200	74
79-01-6	Trichloroethene	41000	E	200	92
75-69-4	Trichlorofluoromethane	ND		200	180
75-01-4	Vinyl chloride	9400		200	180
1330-20-7	Xylenes, Total	ND		400	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D
 Lims ID: 480-18001-A-11 Client ID: MW-4
 Inject. Date: 05-Apr-2012 15:26:30 Dil. Factor: 2000.0000
 Sample Type: Client
 Sample ID: 480-18001-A-11
 Misc. Info.: 480-0010748-013 =480-0010748-013
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 58271 Lims Sample ID: 13
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:47:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	838297	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	437963	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	380066	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	150051	29.3	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	992697	30.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	263608	27.1	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.461	1.467	-0.006	84	417530	47.0	
14 Bromomethane	94		1.728					
15 Chloroethane	64		1.868					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.446					
22 1,1-Dichloroethene	96	2.477	2.477	0.0	77	31833	3.86	
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.128	3.116	0.012	89	32995	3.93	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	84	145108	10.0	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	65	6037381	634.0	E
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97	4.296	4.290	0.006	39	9158	0.7455	
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	93	1855351	203.6	E
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:47:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D

Injection Date: 05-Apr-2012 15:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58271

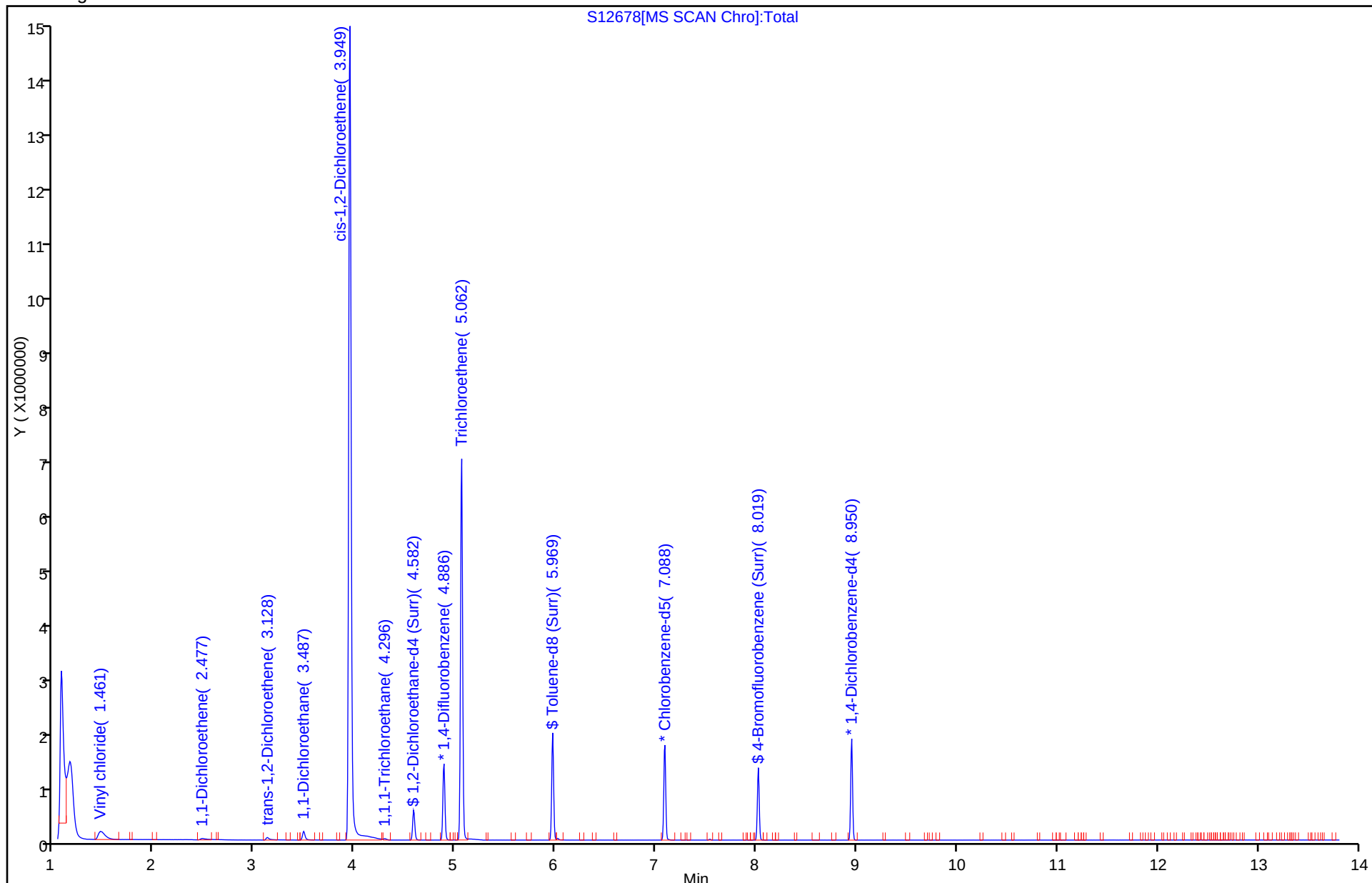
Lims Sample ID: 13

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:47:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D

Injection Date: 05-Apr-2012 15:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58271

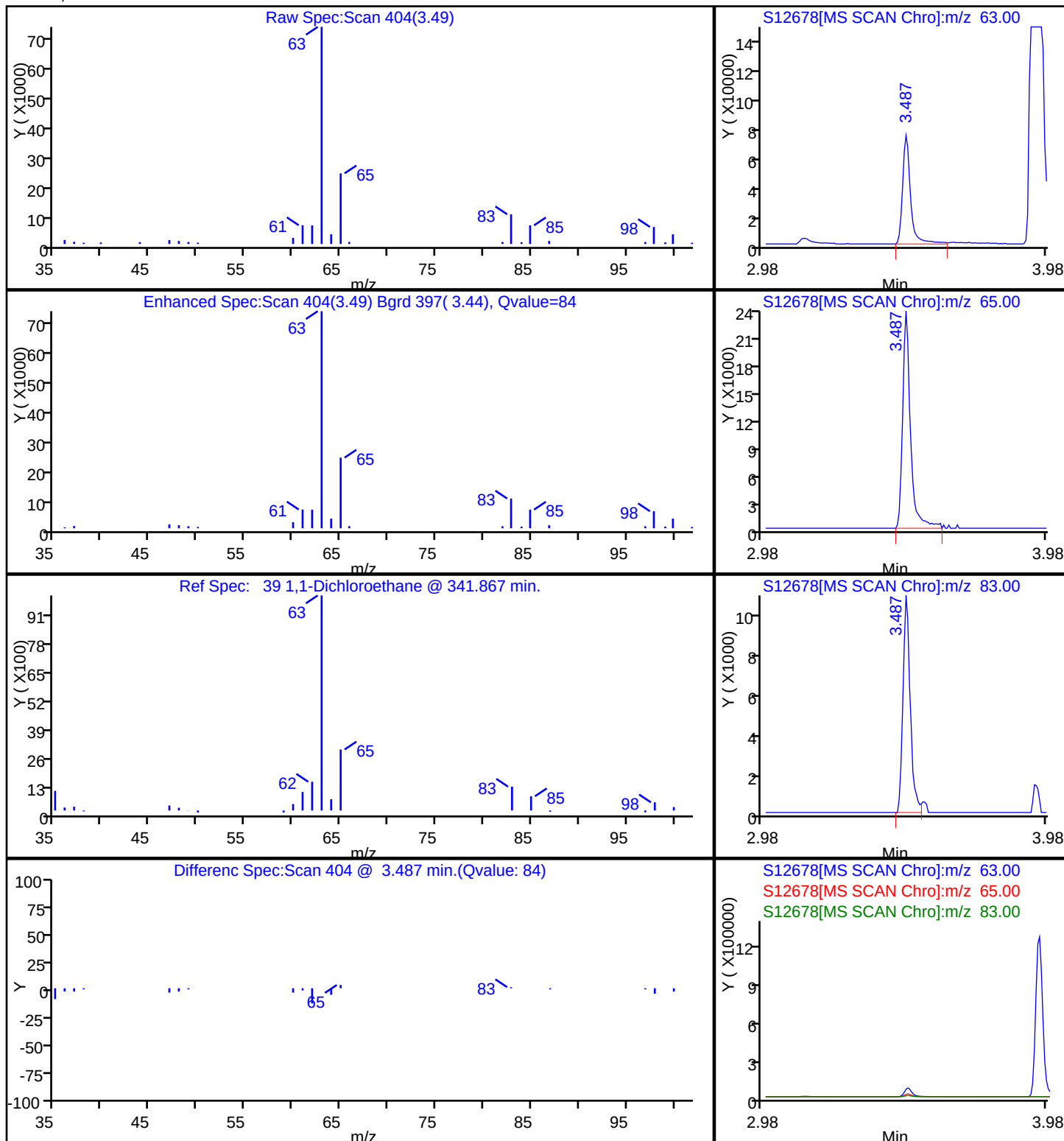
Lims Sample ID: 13

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 08:47:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D

Injection Date: 05-Apr-2012 15:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58271

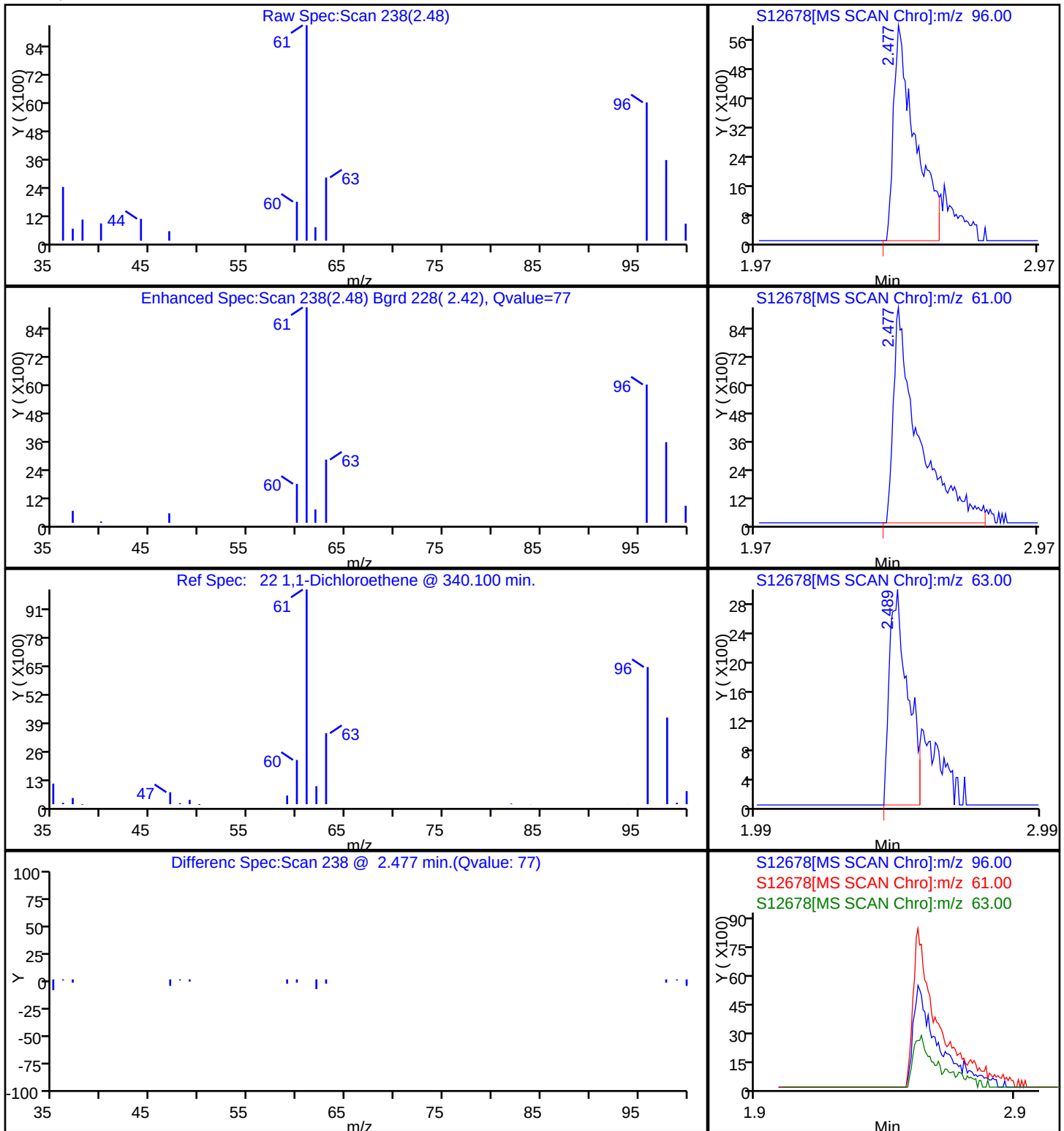
Lims Sample ID: 13

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



Report Date: 06-Apr-2012 08:47:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D

Injection Date: 05-Apr-2012 15:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58271

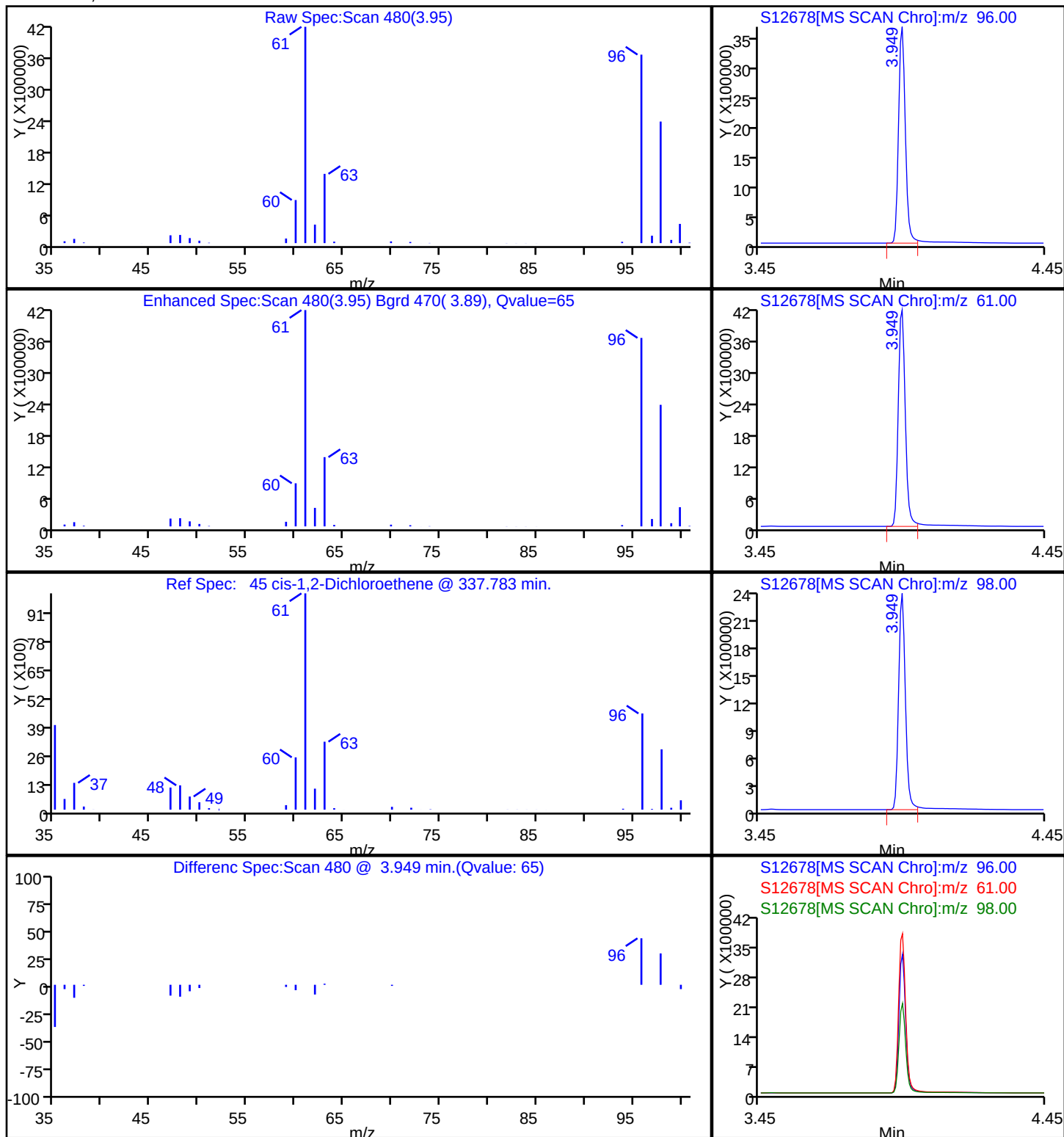
Lims Sample ID: 13

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 08:47:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D

Injection Date: 05-Apr-2012 15:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58271

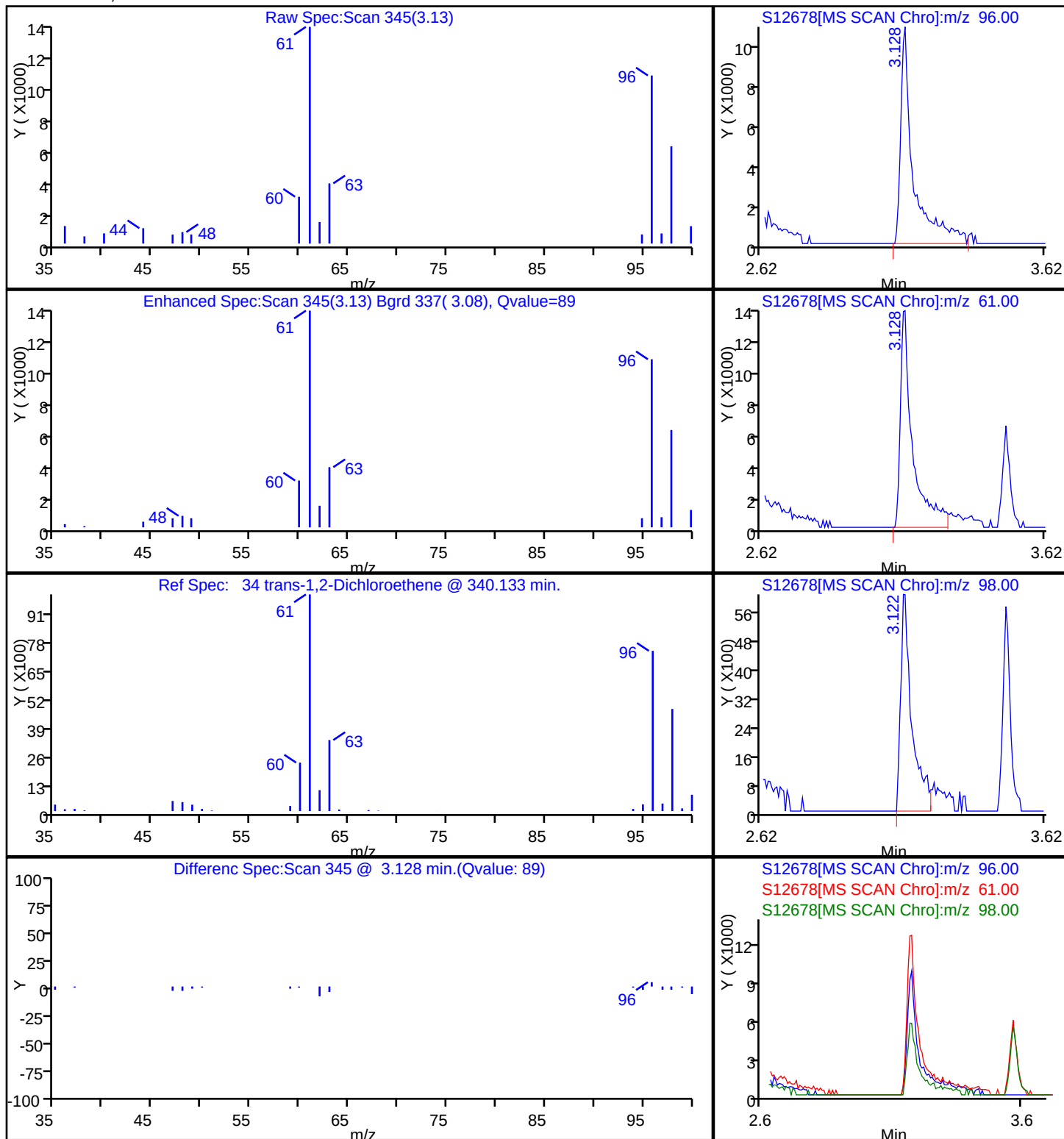
Lims Sample ID: 13

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



Report Date: 06-Apr-2012 08:47:57

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D

Injection Date: 05-Apr-2012 15:26:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58271

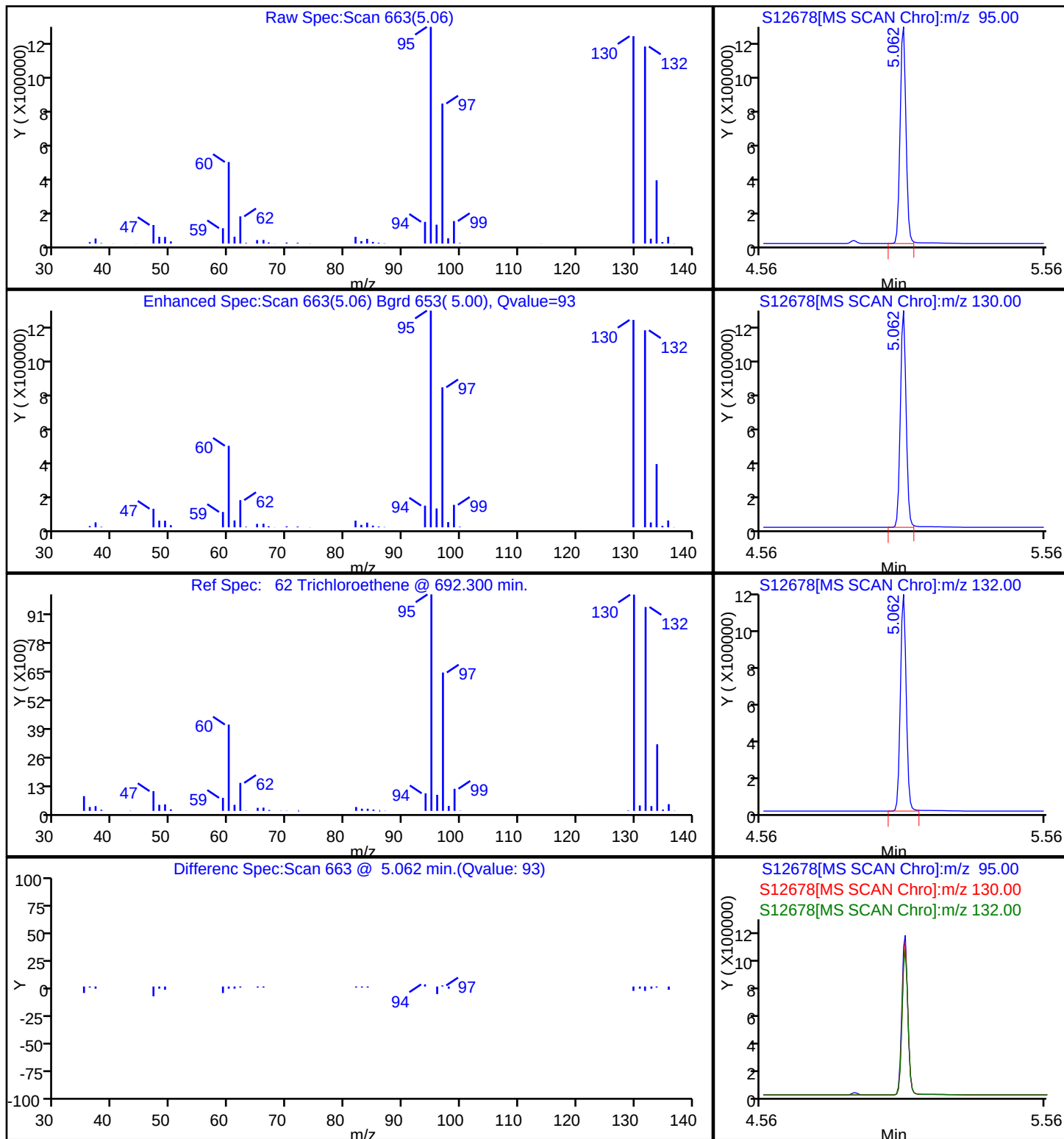
Lims Sample ID: 13

Operator ID: DHC

Column Type: ZB-624

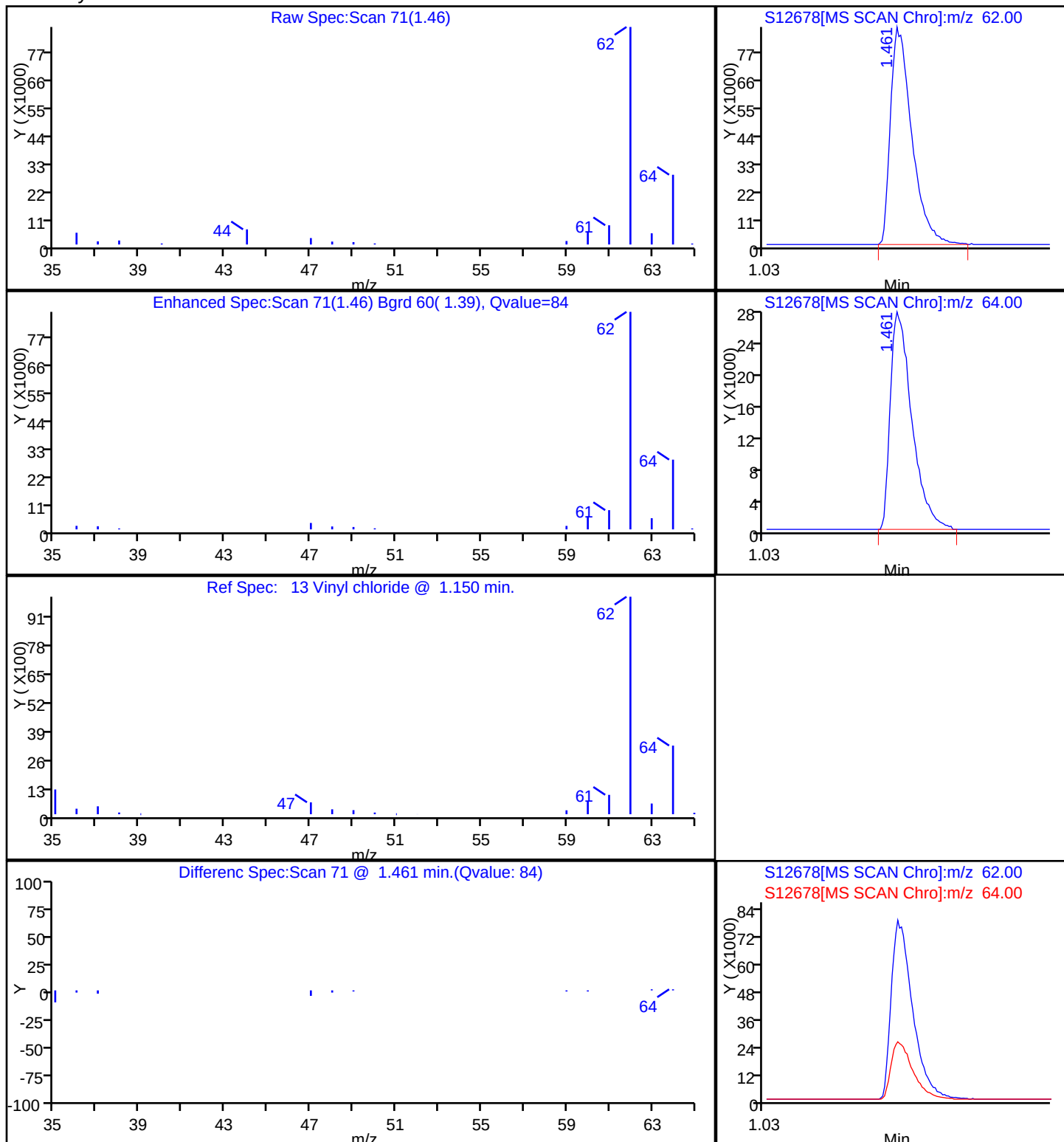
Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 08:47:57
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12678.D
Injection Date: 05-Apr-2012 15:26:30
Client ID: MW-4
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 13
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-4 DL Lab Sample ID: 480-18001-11 DL

Matrix: Ground Water Lab File ID: S12769.D

Analysis Method: 8260B Date Collected: 04/03/2012 11:30

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 14:01

Soil Aliquot Vol: _____ Dilution Factor: 2000

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620
79-00-5	1,1,2-Trichloroethane	ND		2000	460
75-34-3	1,1-Dichloroethane	1800	J	2000	760
75-35-4	1,1-Dichloroethene	ND		2000	580
120-82-1	1,2,4-Trichlorobenzene	ND		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2000	780
106-93-4	1,2-Dibromoethane	ND		2000	1500
95-50-1	1,2-Dichlorobenzene	ND		2000	1600
107-06-2	1,2-Dichloroethane	ND		2000	420
78-87-5	1,2-Dichloropropane	ND		2000	1400
541-73-1	1,3-Dichlorobenzene	ND		2000	1600
106-46-7	1,4-Dichlorobenzene	ND		2000	1700
78-93-3	2-Butanone (MEK)	ND		20000	2600
591-78-6	2-Hexanone	ND		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	4200
67-64-1	Acetone	ND		20000	6000
71-43-2	Benzene	ND		2000	820
75-27-4	Bromodichloromethane	ND		2000	780
75-25-2	Bromoform	ND		2000	520
74-83-9	Bromomethane	ND		2000	1400
75-15-0	Carbon disulfide	ND		2000	380
56-23-5	Carbon tetrachloride	ND		2000	540
108-90-7	Chlorobenzene	ND		2000	1500
75-00-3	Chloroethane	ND		2000	640
67-66-3	Chloroform	ND		2000	680
74-87-3	Chloromethane	ND		2000	700
156-59-2	cis-1,2-Dichloroethene	120000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	ND		2000	720
110-82-7	Cyclohexane	ND		2000	360
124-48-1	Dibromochloromethane	ND		2000	640
75-71-8	Dichlorodifluoromethane	ND		2000	1400
100-41-4	Ethylbenzene	ND		2000	1500
98-82-8	Isopropylbenzene	ND		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-4 DL Lab Sample ID: 480-18001-11 DL

Matrix: Ground Water Lab File ID: S12769.D

Analysis Method: 8260B Date Collected: 04/03/2012 11:30

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 14:01

Soil Aliquot Vol: _____ Dilution Factor: 2000

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2000	1000
1634-04-4	Methyl tert-butyl ether	ND		2000	320
108-87-2	Methylcyclohexane	ND		2000	320
75-09-2	Methylene Chloride	ND		2000	880
100-42-5	Styrene	ND		2000	1500
127-18-4	Tetrachloroethene	ND		2000	720
108-88-3	Toluene	ND		2000	1000
156-60-5	trans-1,2-Dichloroethene	ND		2000	1800
10061-02-6	trans-1,3-Dichloropropene	ND		2000	740
79-01-6	Trichloroethene	39000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	7900		2000	1800
1330-20-7	Xylenes, Total	ND		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12769.D
 Lims ID: 480-18001-B-11 Client ID: MW-4
 Inject. Date: 07-Apr-2012 14:01:30 Dil. Factor: 2000.0000
 Sample Type: Client
 Sample ID: 480-18001-B-11
 Misc. Info.: 480-0010803-006 =480-0010803-006
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 6
 Lims Batch ID: 58591 Lims Sample ID: 6
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S-8260.m
 Last Update: 09-Apr-2012 16:13:27 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 10-Apr-2012 00:14:01

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	819196	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	423603	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	367429	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	148985	29.8	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	969454	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	255214	27.1	
10 Dichlorodifluoromethane	85		1.224					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.461	0.006	56	34481	3.97	
14 Bromomethane	94		1.741					
15 Chloroethane	64		1.881					
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.452					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.128	3.122	0.006	63	3331	0.4058	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	43	12731	0.8979	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	66	579360	62.3	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.204					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	93	172105	19.3	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 10-Apr-2012 00:14:02

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12769.D

Injection Date: 07-Apr-2012 14:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58591

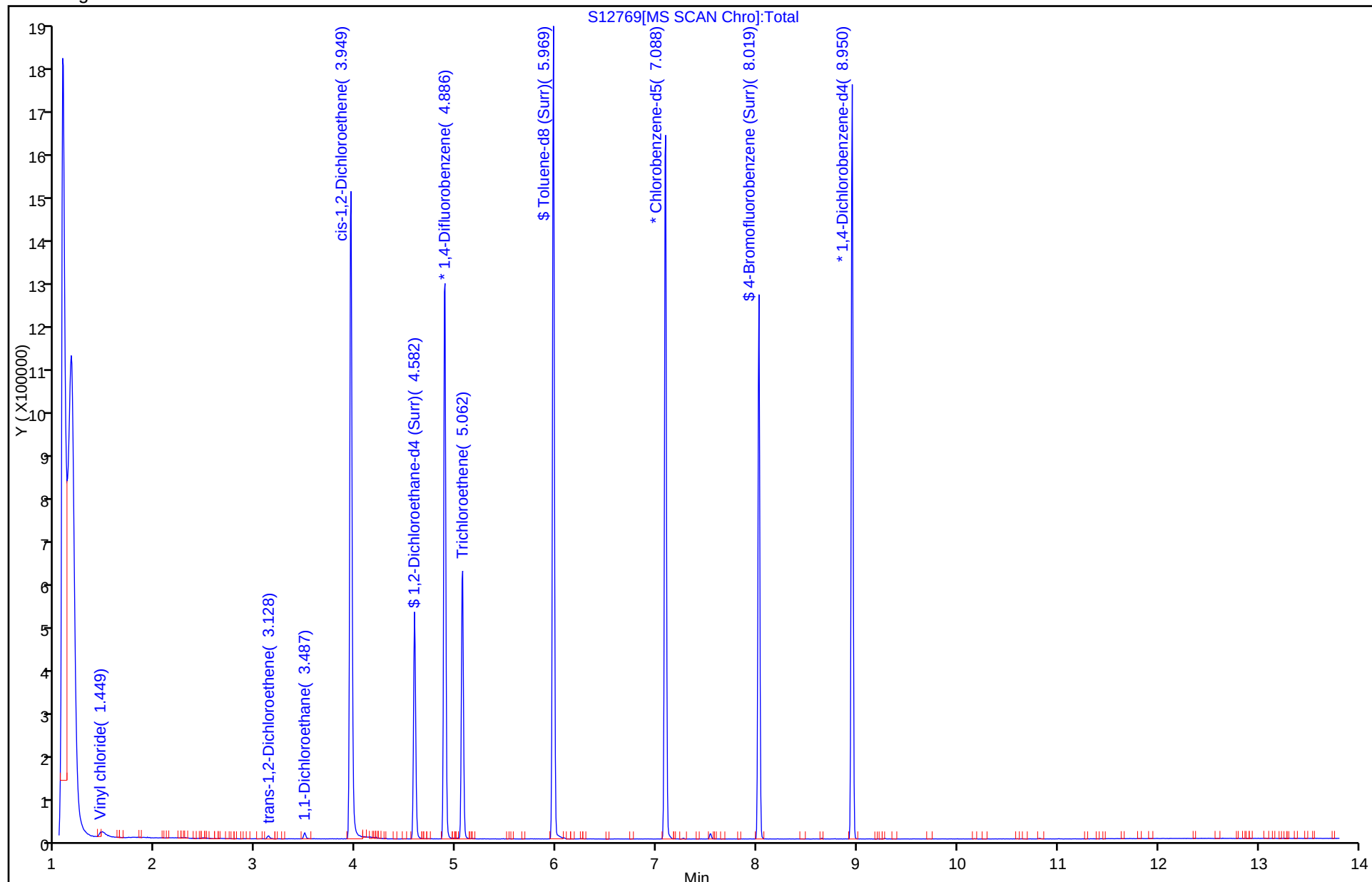
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 10-Apr-2012 00:14:02

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 07-Apr-2012 14:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58591

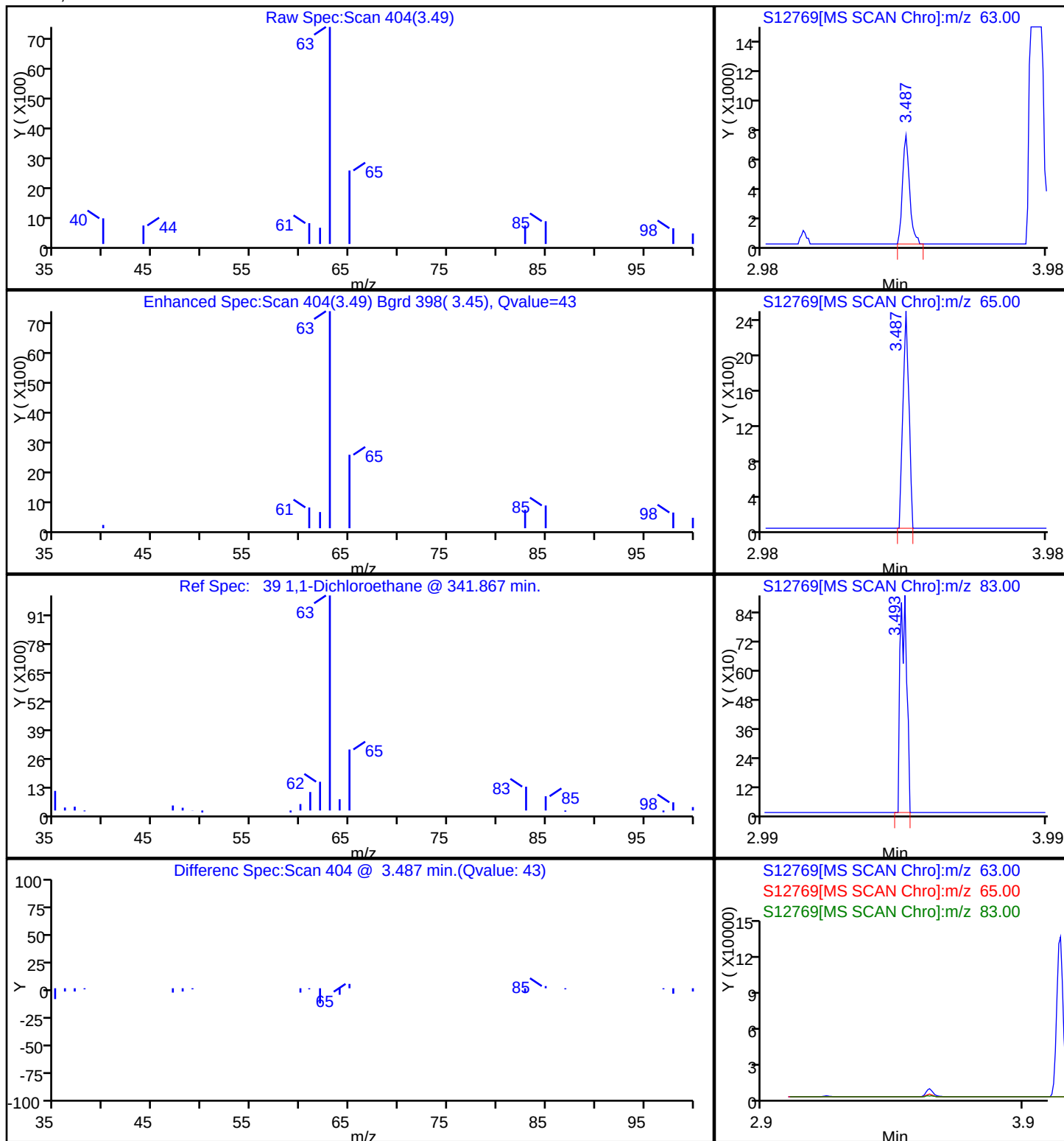
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 10-Apr-2012 00:14:02

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12769.D

Injection Date: 07-Apr-2012 14:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58591

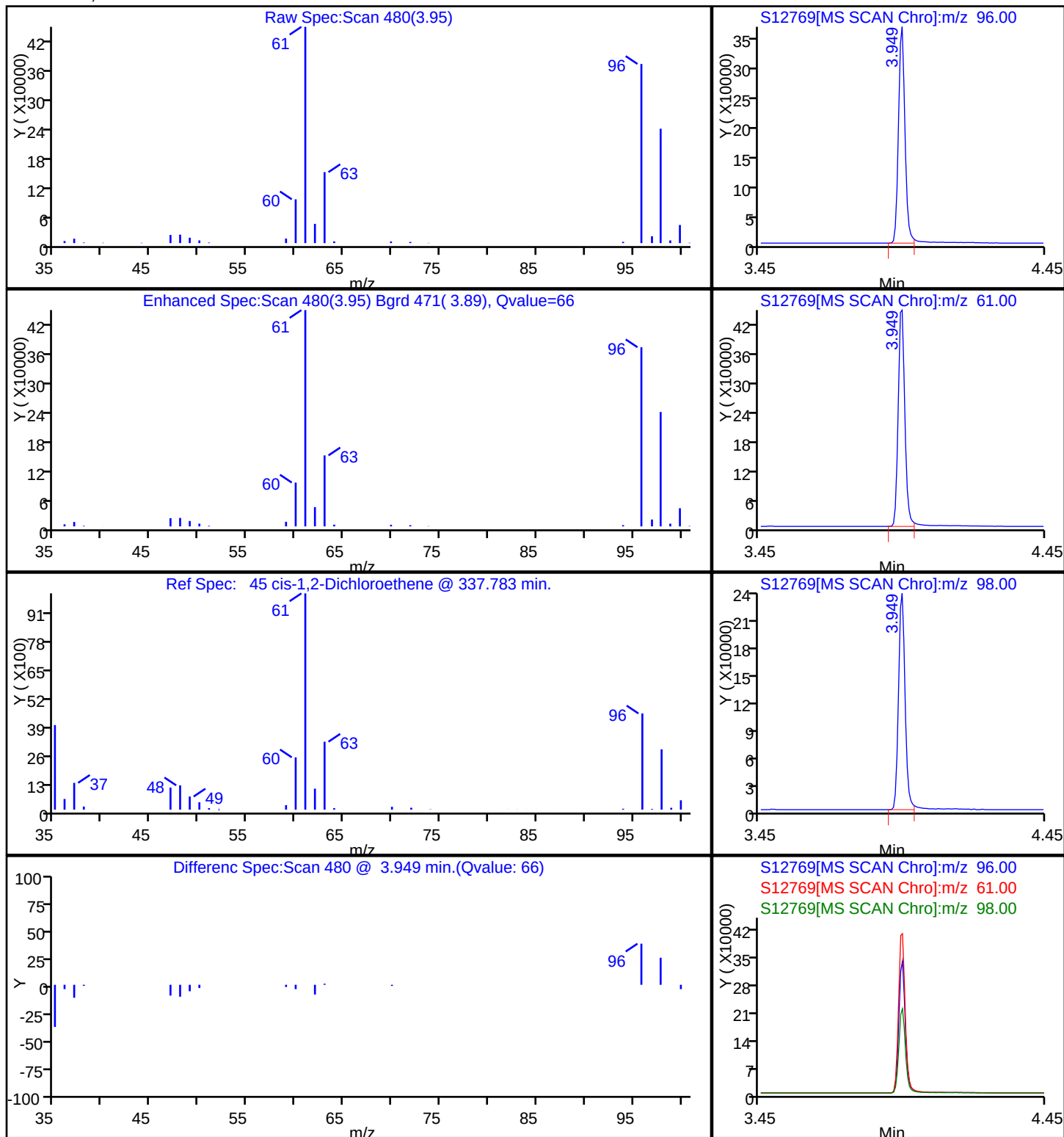
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 10-Apr-2012 00:14:02

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12769.D

Injection Date: 07-Apr-2012 14:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58591

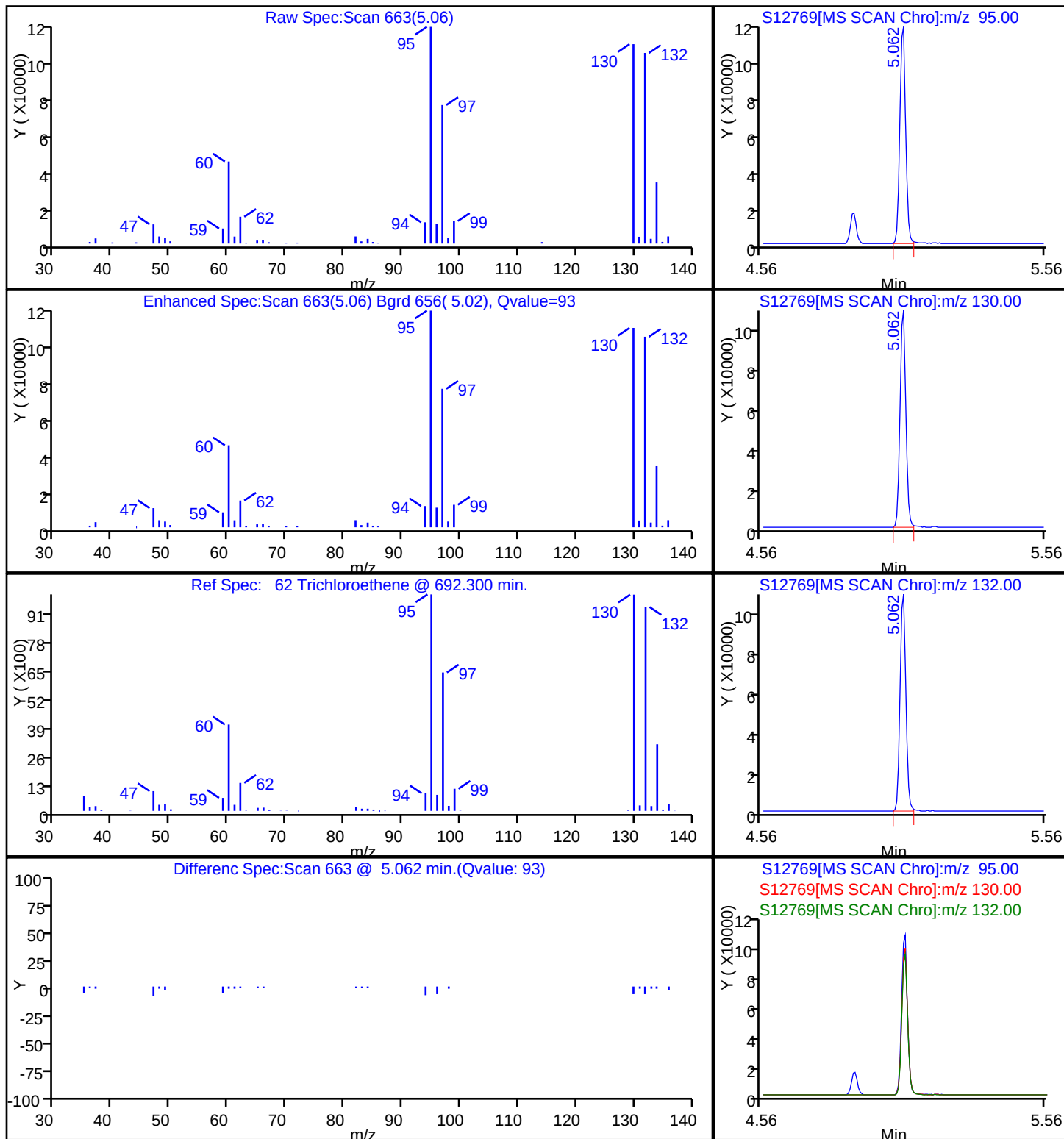
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 10-Apr-2012 00:14:02

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12769.D

Injection Date: 07-Apr-2012 14:01:30

Limit Group: MV - 8260B ICAL

Client ID: MW-4

Instrument ID: HP5973S

Lims Batch ID: 58591

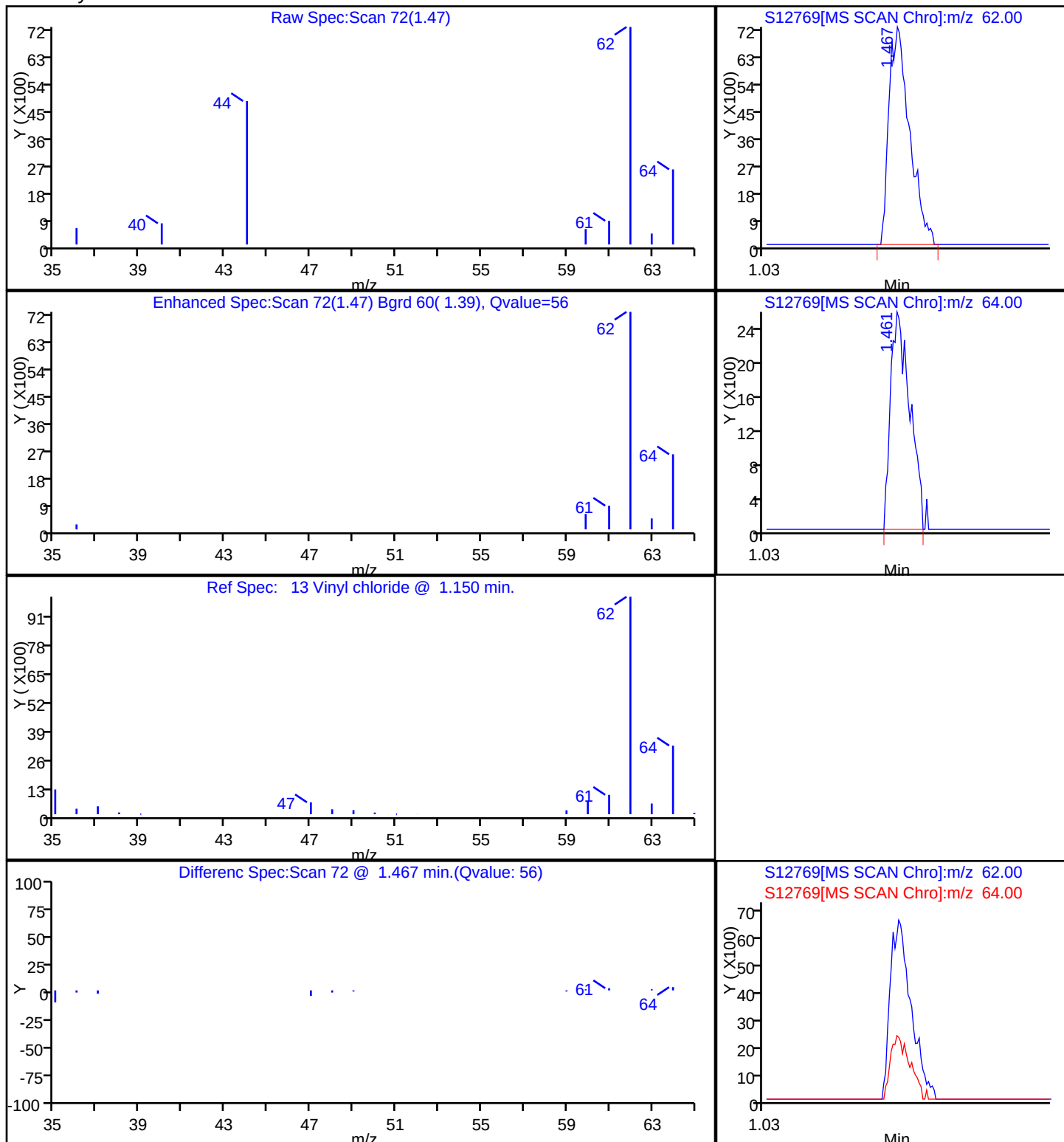
Lims Sample ID: 6

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-9 Lab Sample ID: 480-18001-12

Matrix: Ground Water Lab File ID: S12717.D

Analysis Method: 8260B Date Collected: 04/02/2012 12:15

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 14:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	90		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	1.7		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	1.5		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	19		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-9 Lab Sample ID: 480-18001-12
 Matrix: Ground Water Lab File ID: S12717.D
 Analysis Method: 8260B Date Collected: 04/02/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 14:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	1.8		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D
 Lims ID: 480-18001-B-12 Client ID: MW-9
 Inject. Date: 06-Apr-2012 14:10:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-B-12
 Misc. Info.: 480-0010775-010 =480-0010775-010
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 58433 Lims Sample ID: 10
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 17:15:05 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 17:27:26

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	808078	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	422954	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	365149	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	148422	30.1	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	962651	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	254471	27.1	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.473	1.455	0.018	20	15786	1.84	
14 Bromomethane	94		1.735					
15 Chloroethane	64	1.820	1.850	-0.030	16	8358	1.48	
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.440					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	56	4068	0.5023	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	1259488	90.0	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	172229	18.8	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97	4.302	4.296	0.006	41	6388	0.5394	
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62	4.643	4.636	0.007	27	20518	1.70	
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 17:27:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D

Injection Date: 06-Apr-2012 14:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973S

Lims Batch ID: 58433

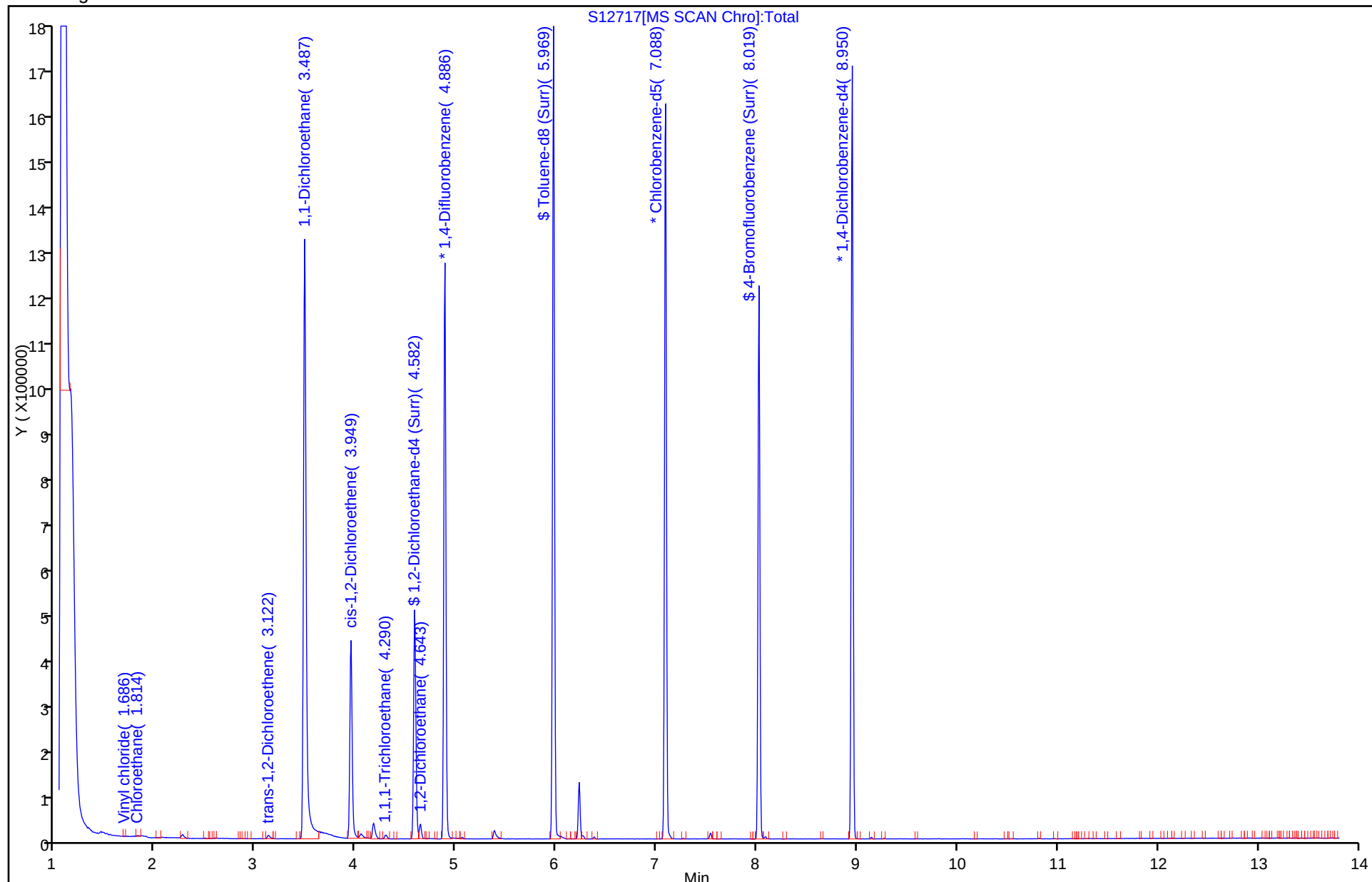
Lims Sample ID: 10

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 17:27:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D

Injection Date: 06-Apr-2012 14:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973S

Lims Batch ID: 58433

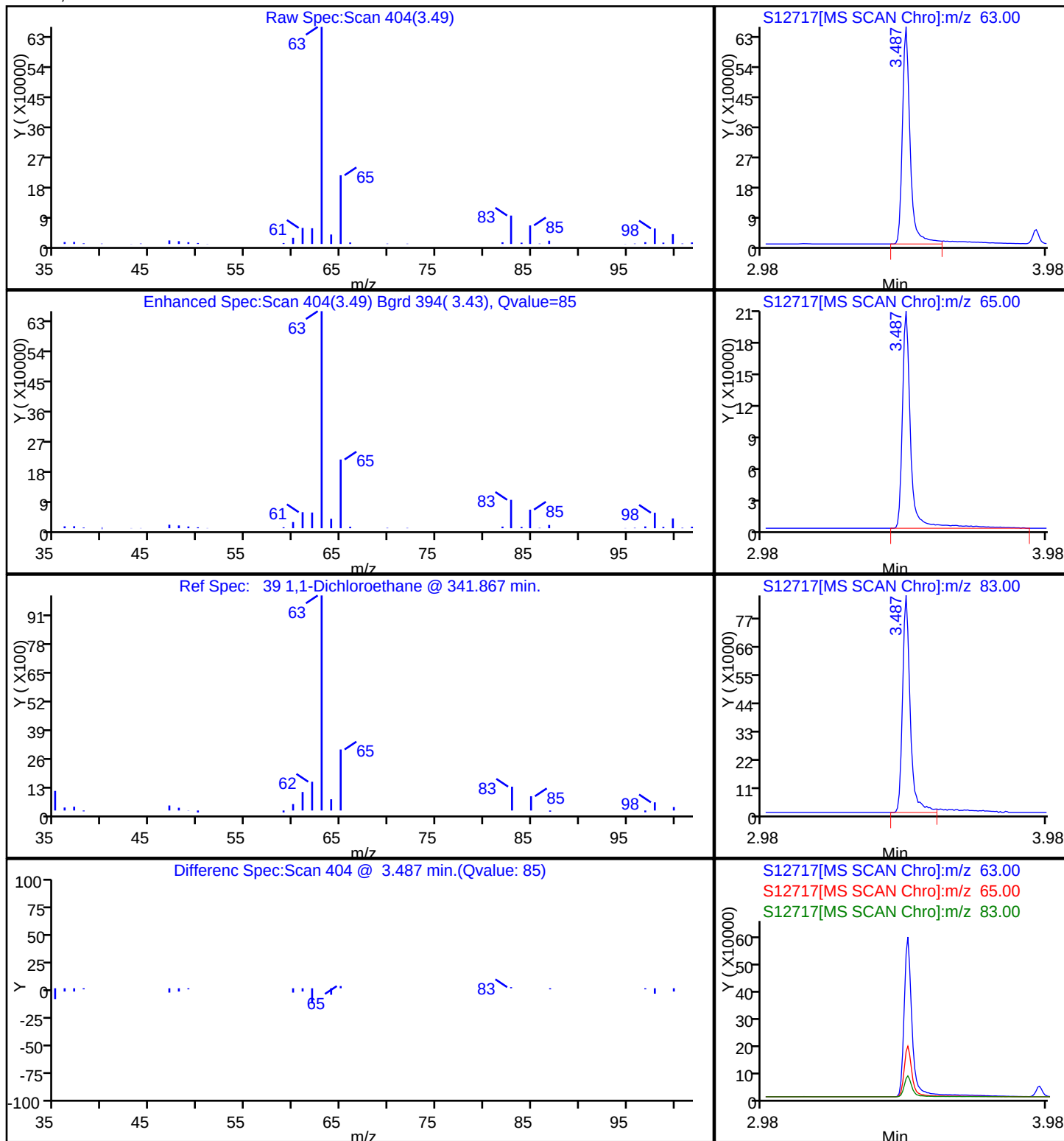
Lims Sample ID: 10

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 17:27:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D

Injection Date: 06-Apr-2012 14:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973S

Lims Batch ID: 58433

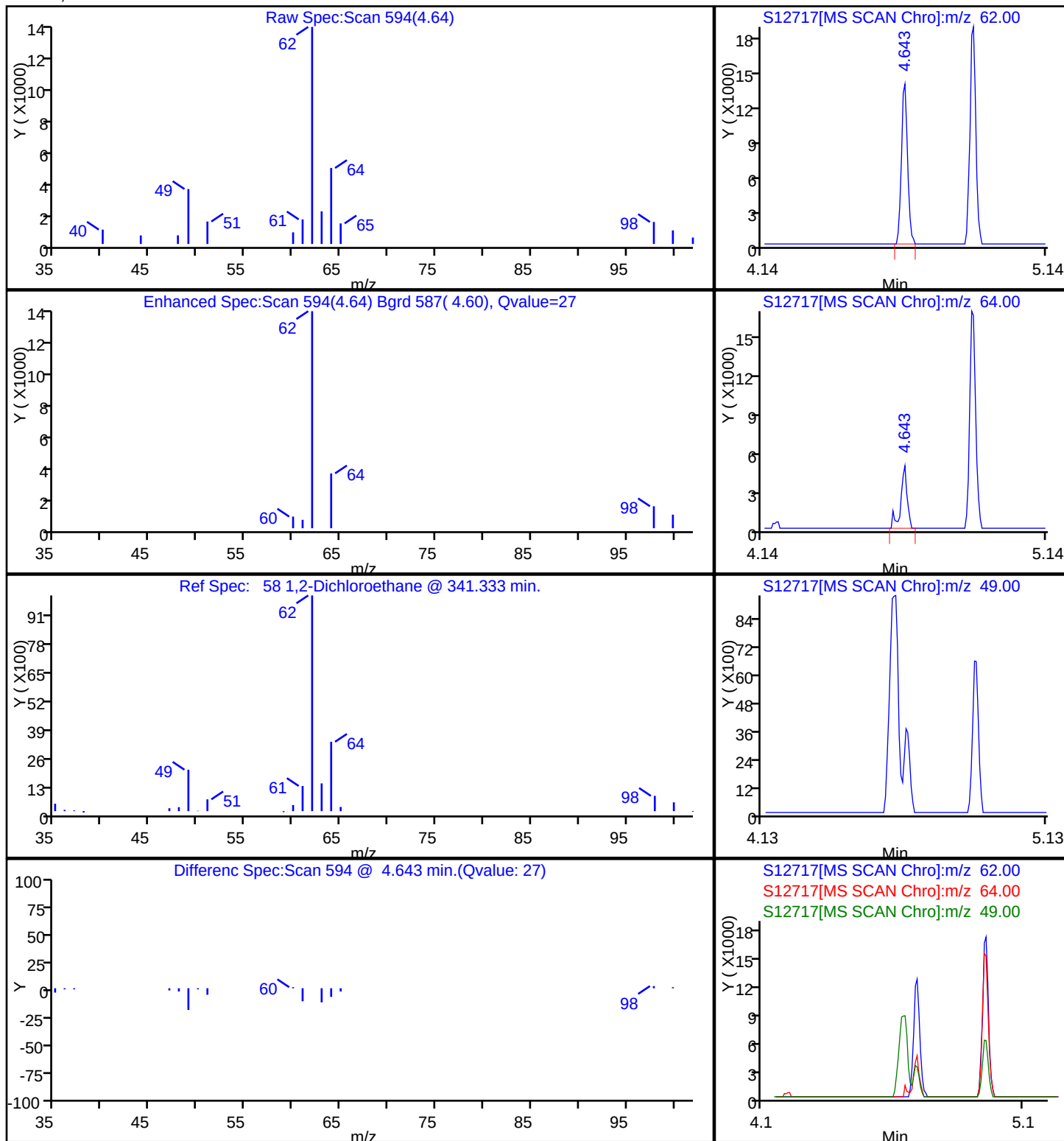
Lims Sample ID: 10

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

58 1,2-Dichloroethane



Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D

Injection Date: 06-Apr-2012 14:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973S

Lims Batch ID: 58433

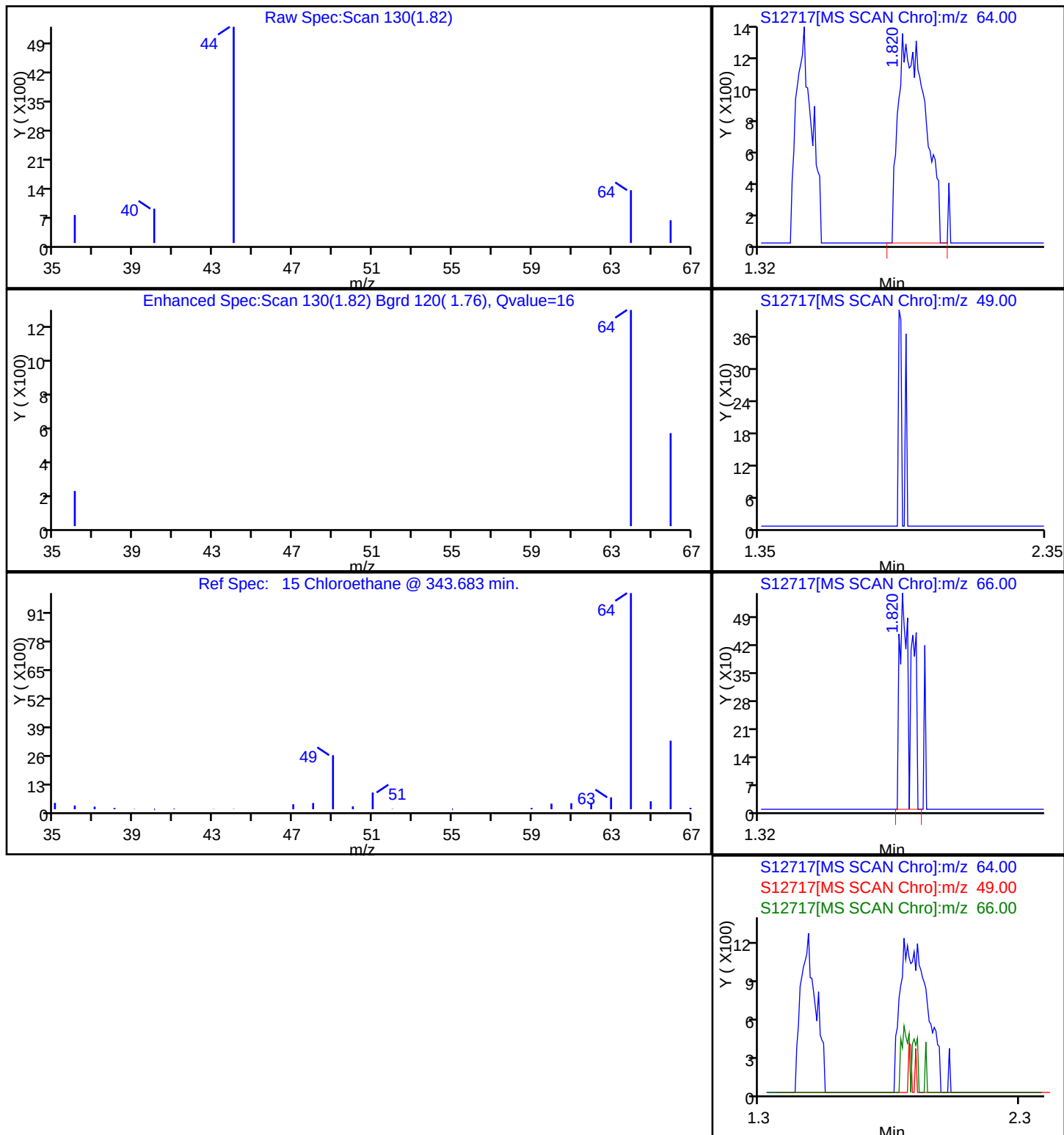
Lims Sample ID: 10

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 17:27:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D

Injection Date: 06-Apr-2012 14:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-9

Instrument ID: HP5973S

Lims Batch ID: 58433

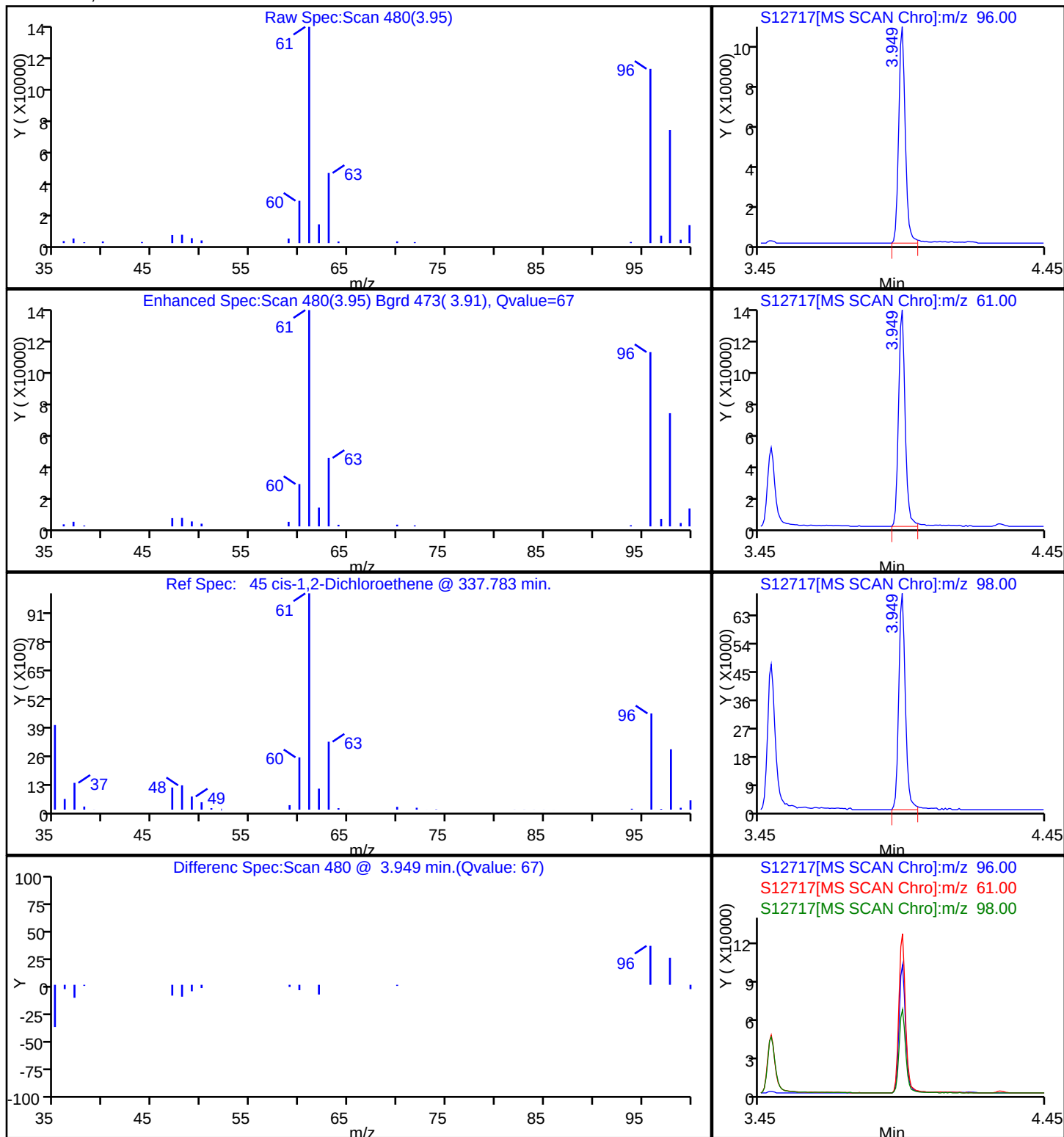
Lims Sample ID: 10

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

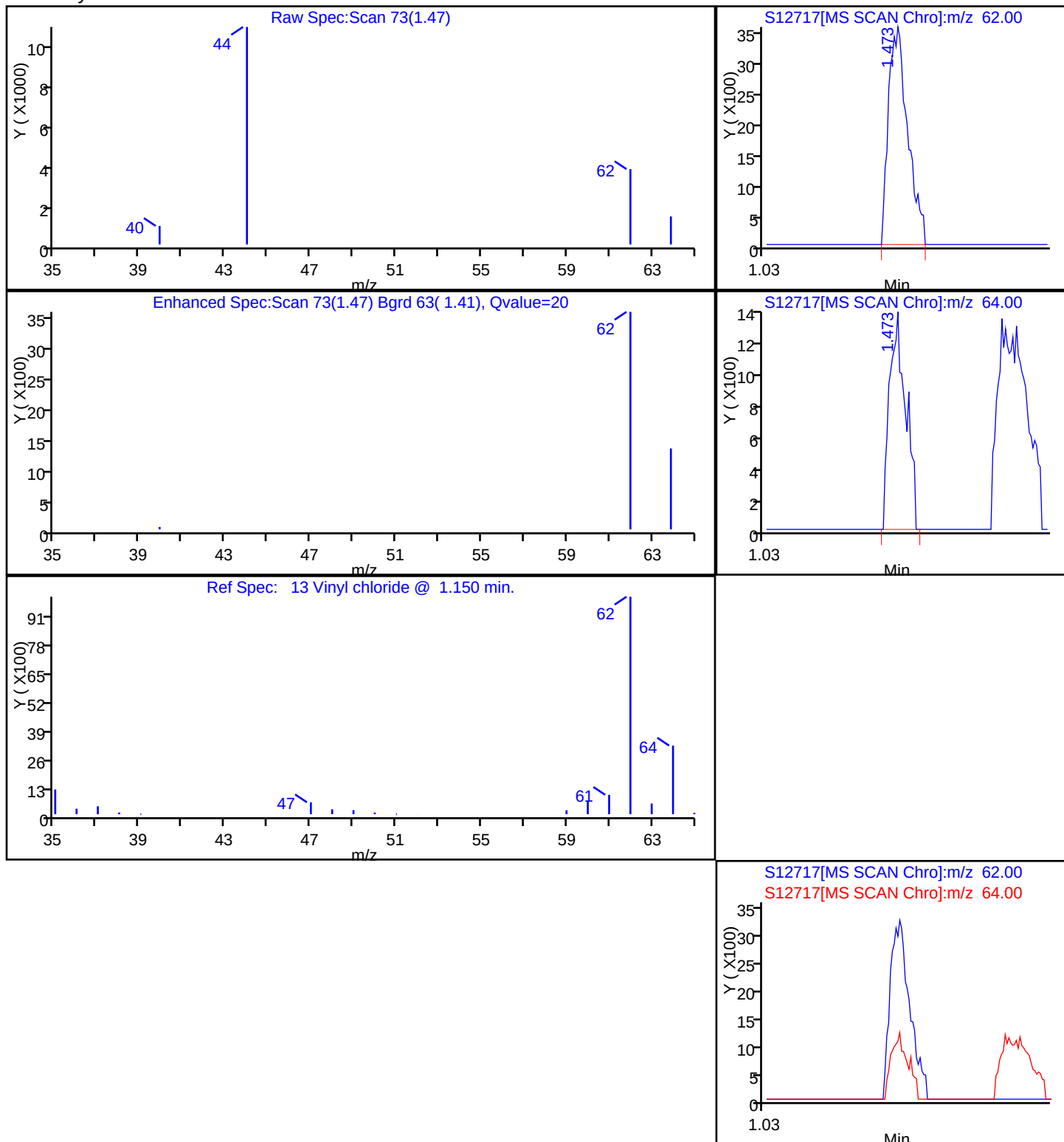
45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 17:27:26
Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12717.D
Injection Date: 06-Apr-2012 14:10:30
Client ID: MW-9
Lims Batch ID: 58433
Operator ID: DHC
Column Type: ZB-624

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 10
Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-13D Lab Sample ID: 480-18001-13

Matrix: Ground Water Lab File ID: S12680.D

Analysis Method: 8260B Date Collected: 04/03/2012 10:40

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 16:10

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	89		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-13D Lab Sample ID: 480-18001-13
 Matrix: Ground Water Lab File ID: S12680.D
 Analysis Method: 8260B Date Collected: 04/03/2012 10:40
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 16:10
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	62		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	2.3		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12680.D
 Lims ID: 480-18001-A-13 Client ID: MW-13D
 Inject. Date: 05-Apr-2012 16:10:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-13
 Misc. Info.: 480-0010748-015 =480-0010748-015
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 58271 Lims Sample ID: 15
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:48:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	842026	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	439648	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	381620	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	152224	29.6	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	983625	29.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	263301	26.9	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.467	0.0	31	20611	2.31	
14 Bromomethane	94		1.728					
15 Chloroethane	64		1.868					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.477					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.122	3.116	0.006	64	5621	0.6661	
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	852393	89.1	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	94	567813	62.0	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:48:25

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12680.D

Injection Date: 05-Apr-2012 16:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973S

Lims Batch ID: 58271

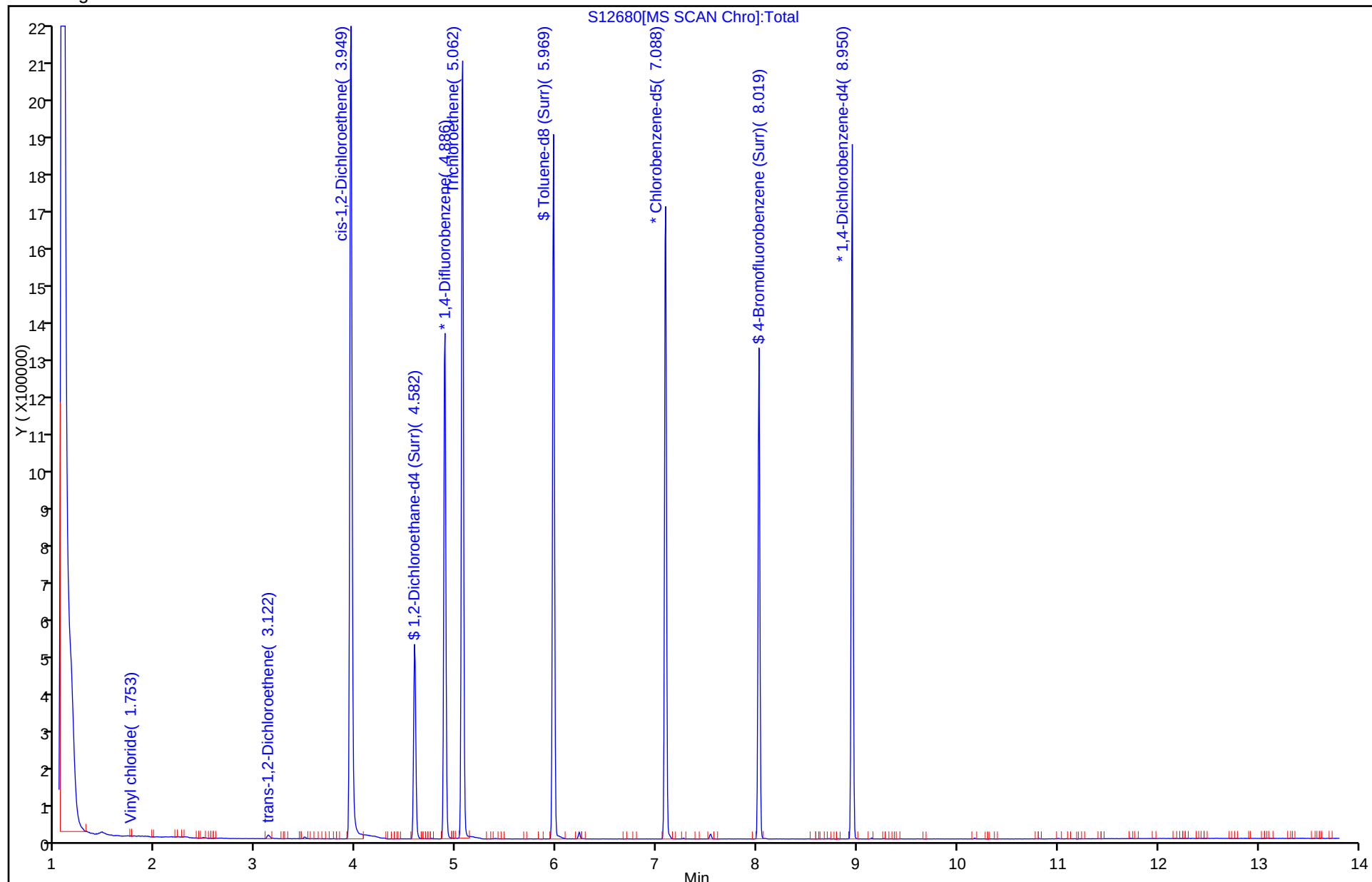
Lims Sample ID: 15

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:48:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973S

Lims Batch ID: 58271

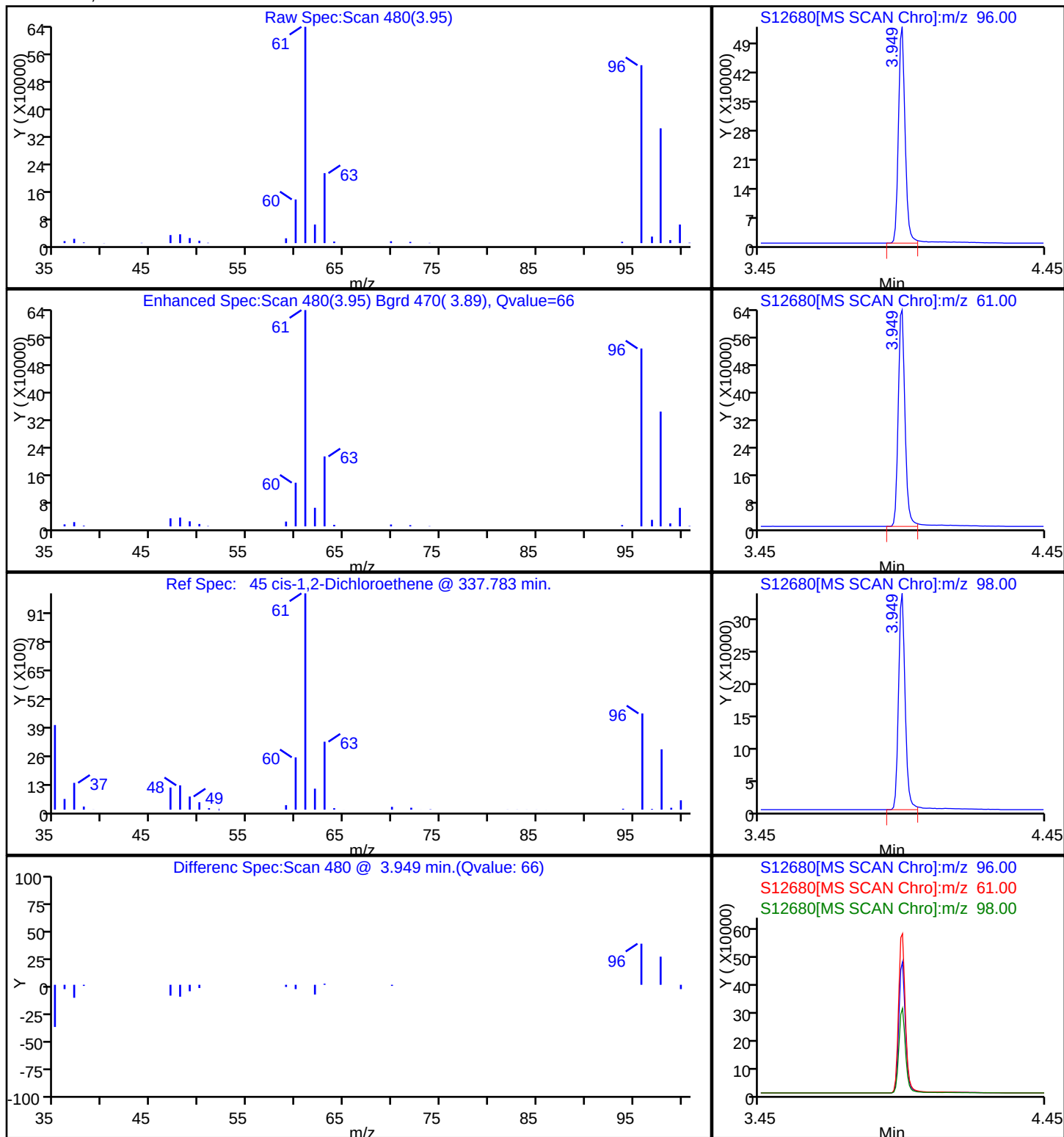
Lims Sample ID: 15

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 08:48:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12680.D

Injection Date: 05-Apr-2012 16:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973S

Lims Batch ID: 58271

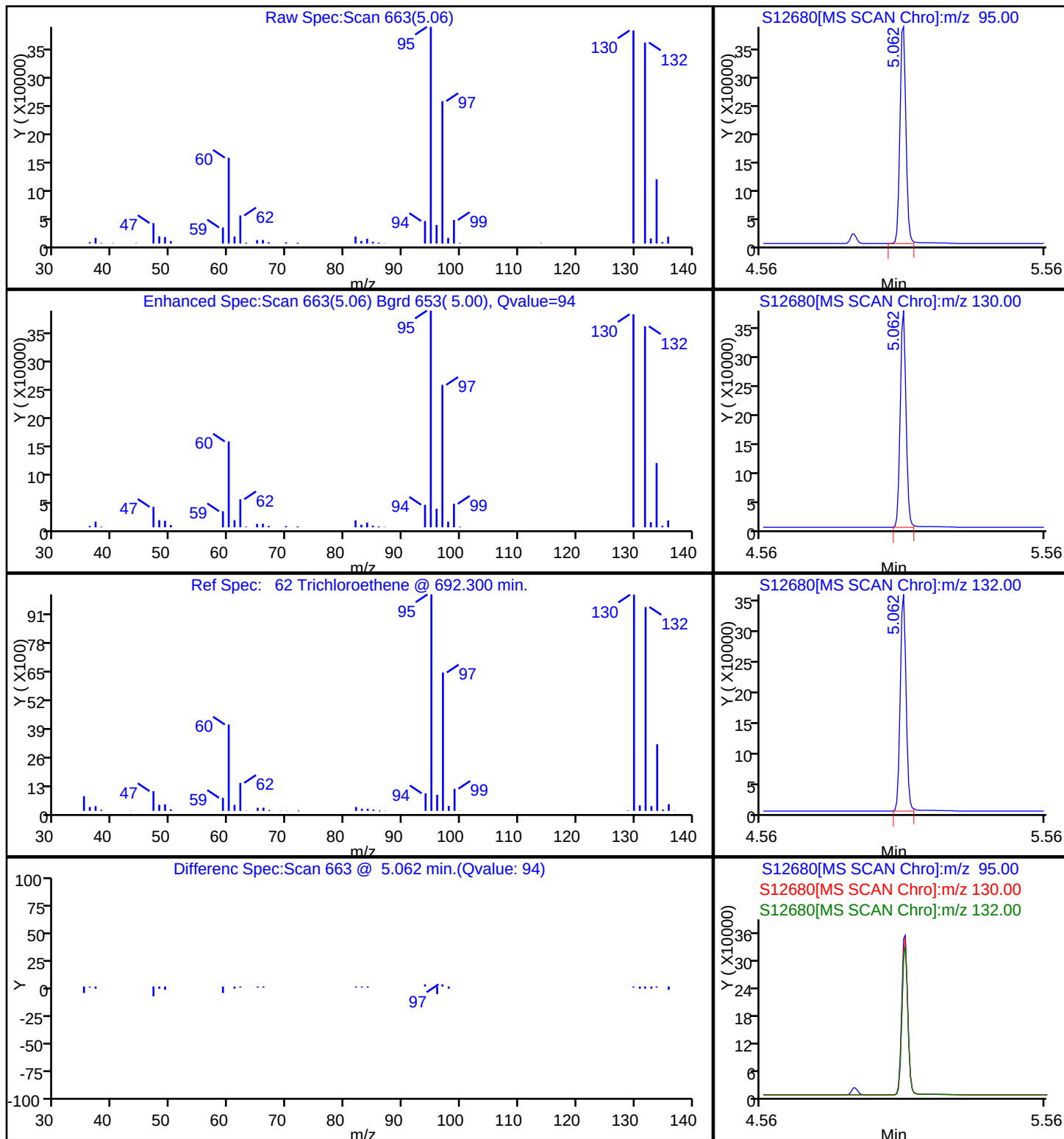
Lims Sample ID: 15

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 08:48:26

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12680.D

Injection Date: 05-Apr-2012 16:10:30

Limit Group: MV - 8260B ICAL

Client ID: MW-13D

Instrument ID: HP5973S

Lims Batch ID: 58271

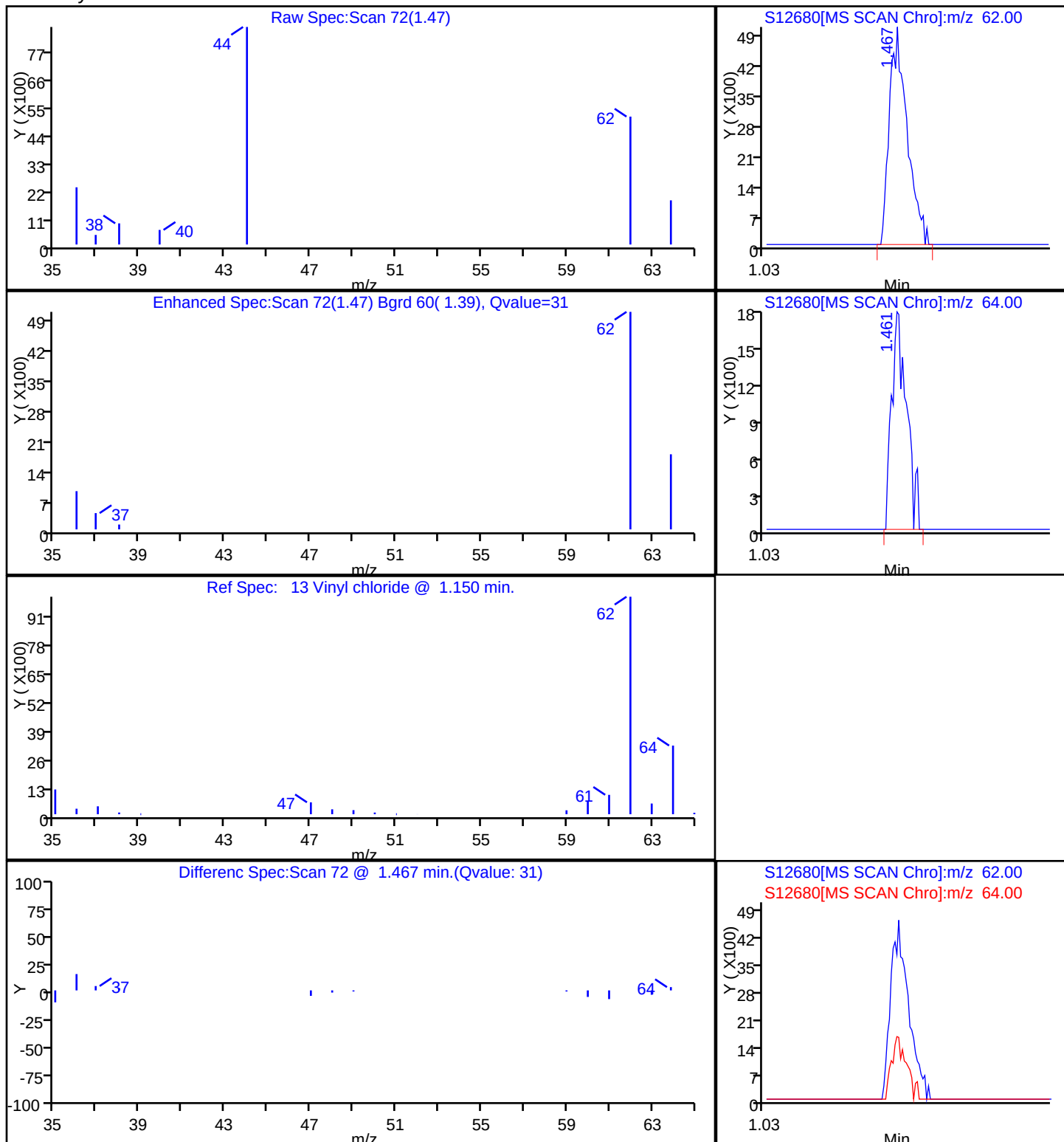
Lims Sample ID: 15

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-14S Lab Sample ID: 480-18001-14

Matrix: Ground Water Lab File ID: S12681.D

Analysis Method: 8260B Date Collected: 04/02/2012 15:00

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 16:31

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	27		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	0.97	J	1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	1.4		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	11		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	30		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-14S Lab Sample ID: 480-18001-14
 Matrix: Ground Water Lab File ID: S12681.D
 Analysis Method: 8260B Date Collected: 04/02/2012 15:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 16:31
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	0.90	J	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	1.3		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	21		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12681.D
 Lims ID: 480-18001-A-14 Client ID: MW-14S
 Inject. Date: 05-Apr-2012 16:31:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-14
 Misc. Info.: 480-0010748-016 =480-0010748-016
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 16
 Lims Batch ID: 58271 Lims Sample ID: 16
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:48:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	822890	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	433454	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	373835	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	151224	30.1	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	973340	30.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	260763	27.1	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.461	1.467	-0.006	82	184111	21.1	
14 Bromomethane	94		1.728					
15 Chloroethane	64	1.826	1.868	-0.042	68	61268	10.6	
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.446					
22 1,1-Dichloroethene	96		2.477					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.122	3.116	0.006	71	7417	0.8994	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	385662	27.1	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	275581	29.5	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.588	4.582	0.006	51	49725	1.38	
58 1,2-Dichloroethane	62	4.643	4.636	0.006	42	11913	0.9673	
62 Trichloroethene	95	5.062	5.056	0.006	75	11257	1.26	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12681.D

Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

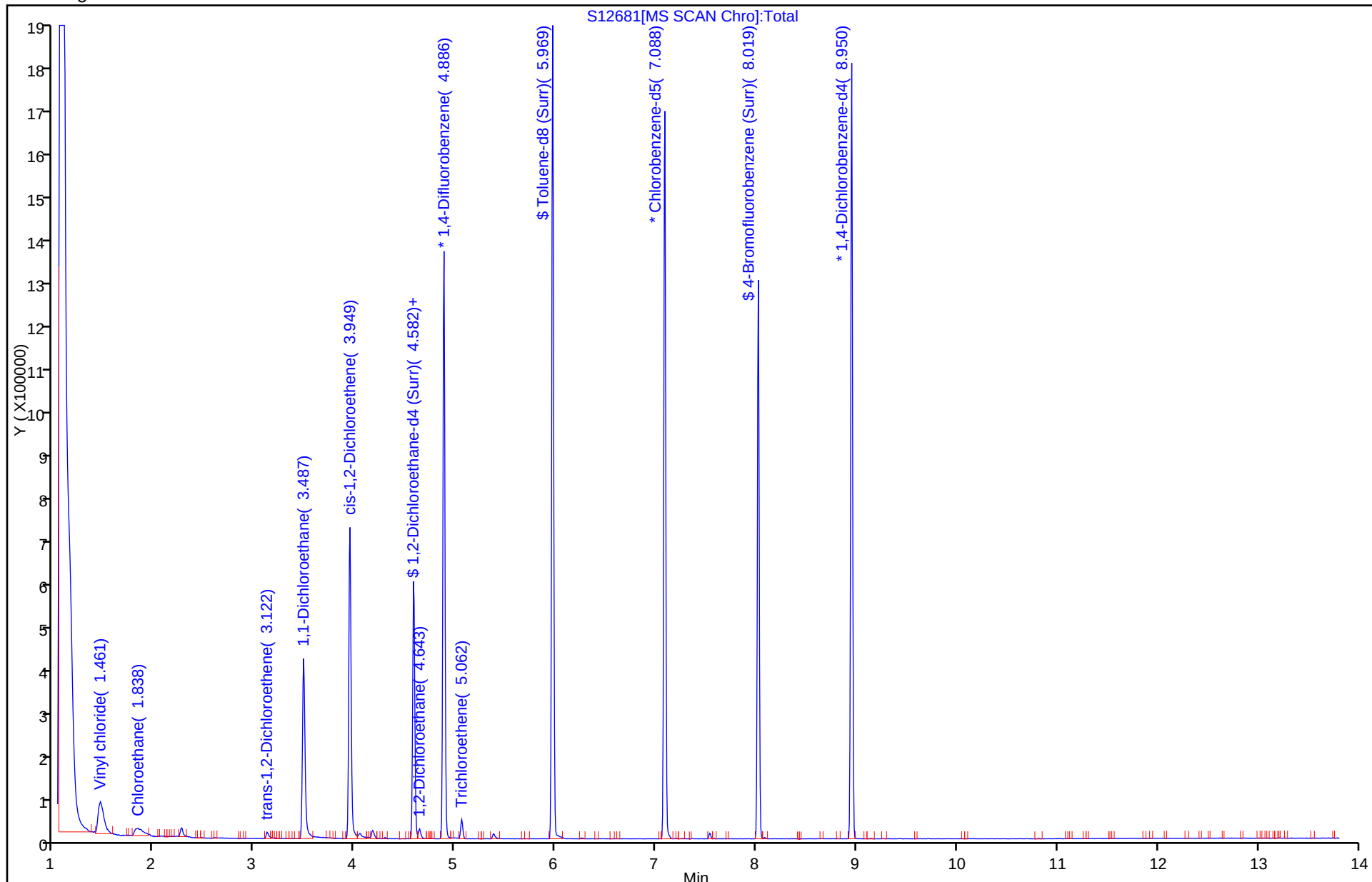
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

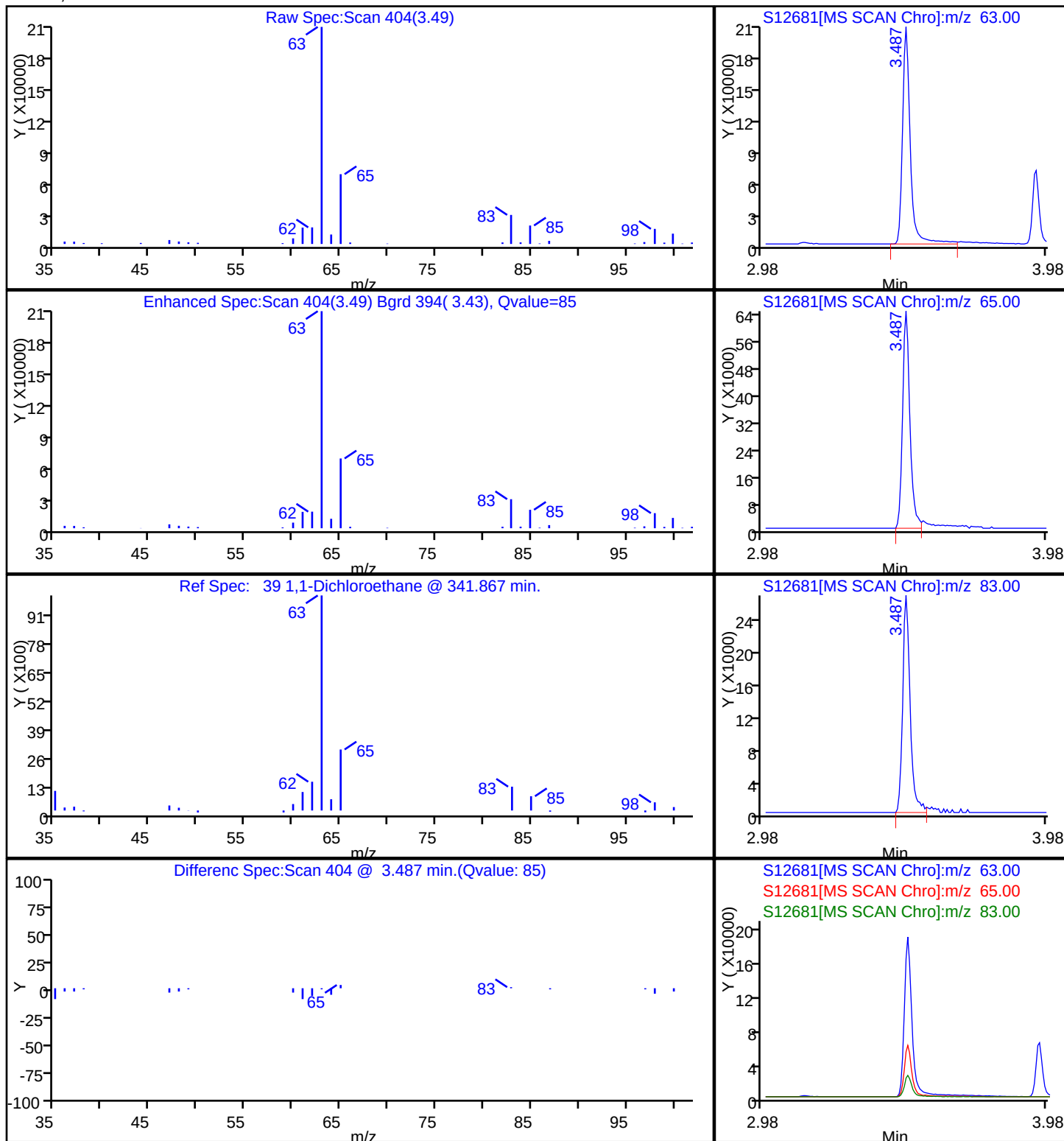
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Data File:

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Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

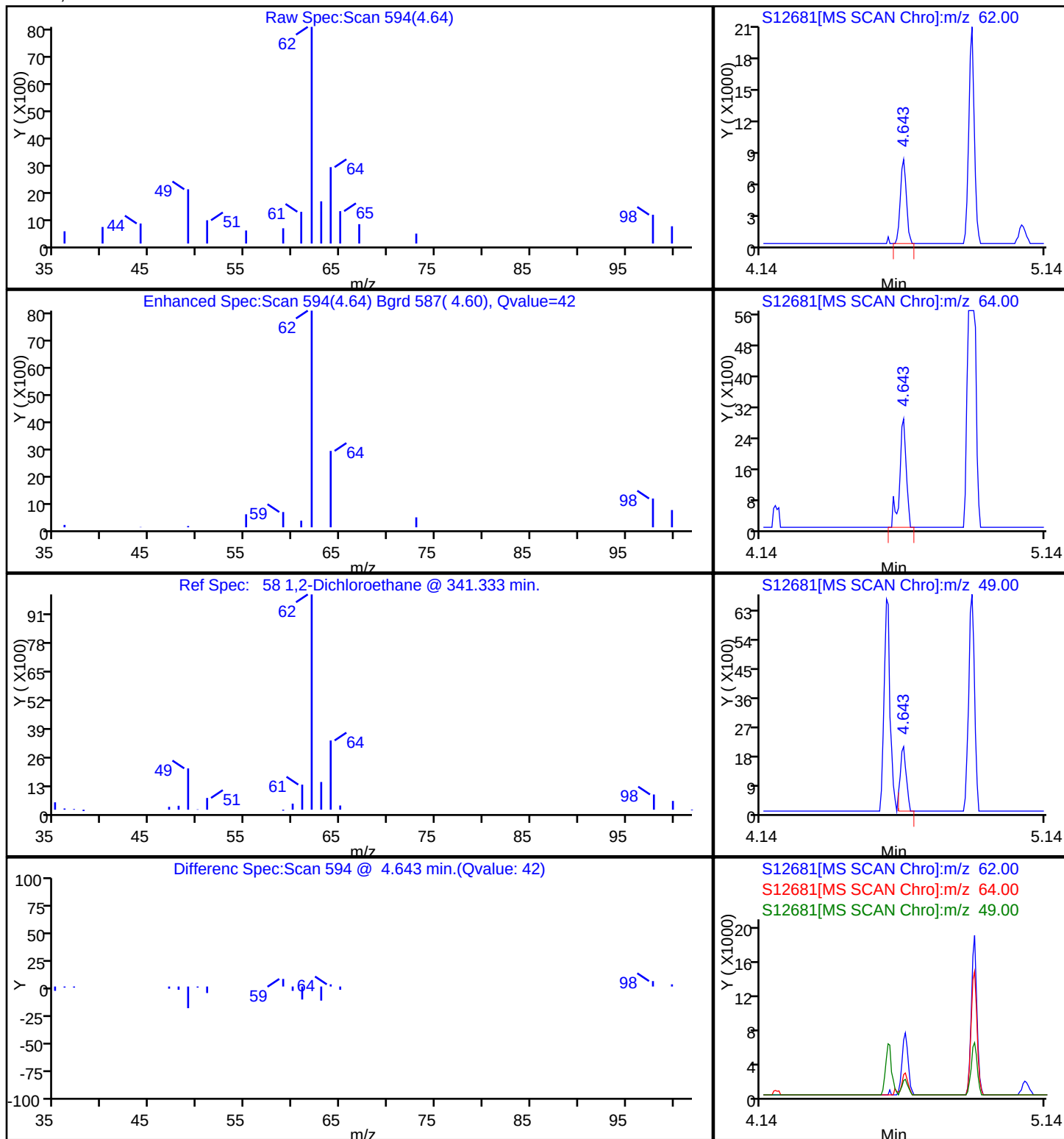
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

58 1,2-Dichloroethane



Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

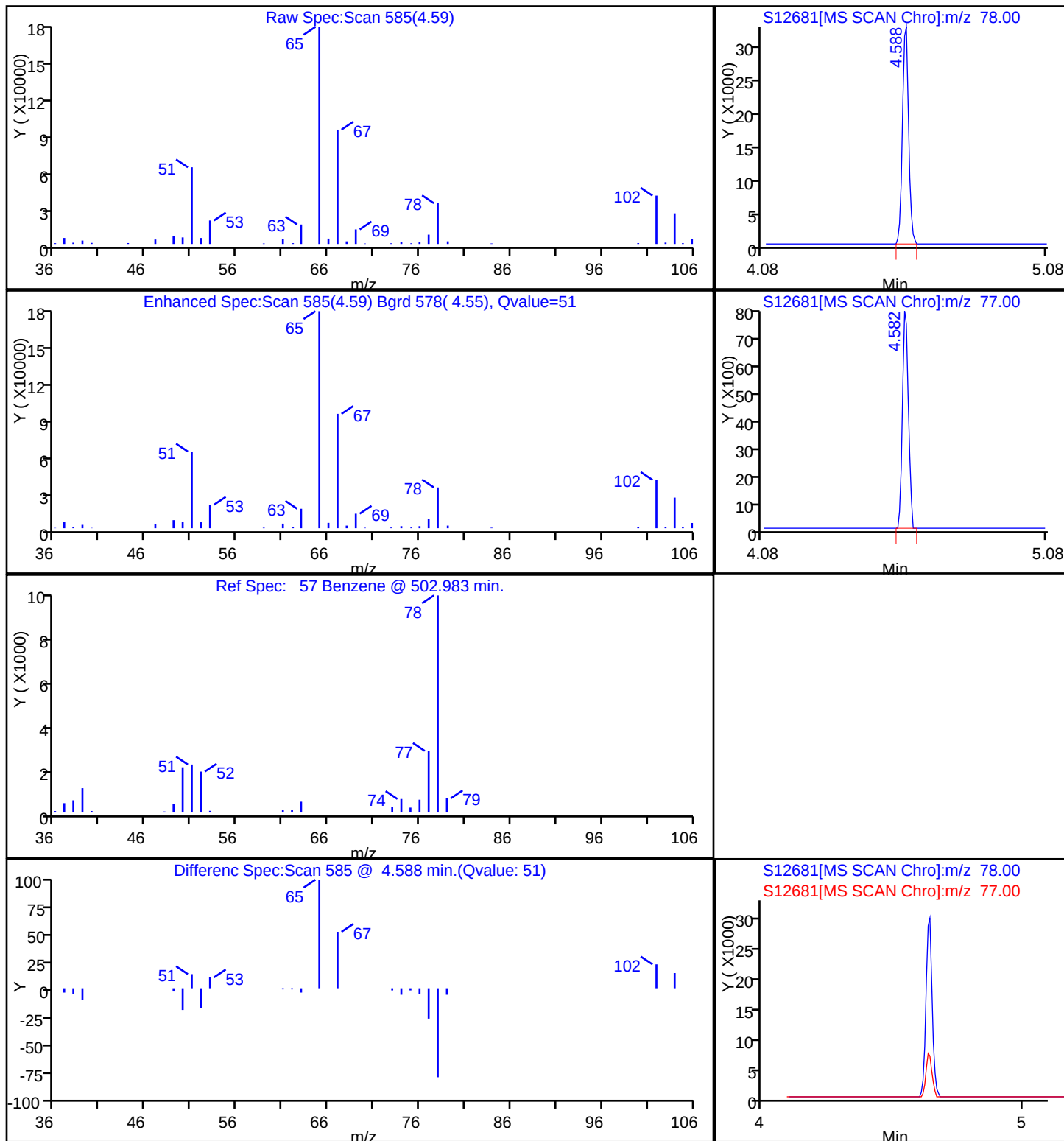
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

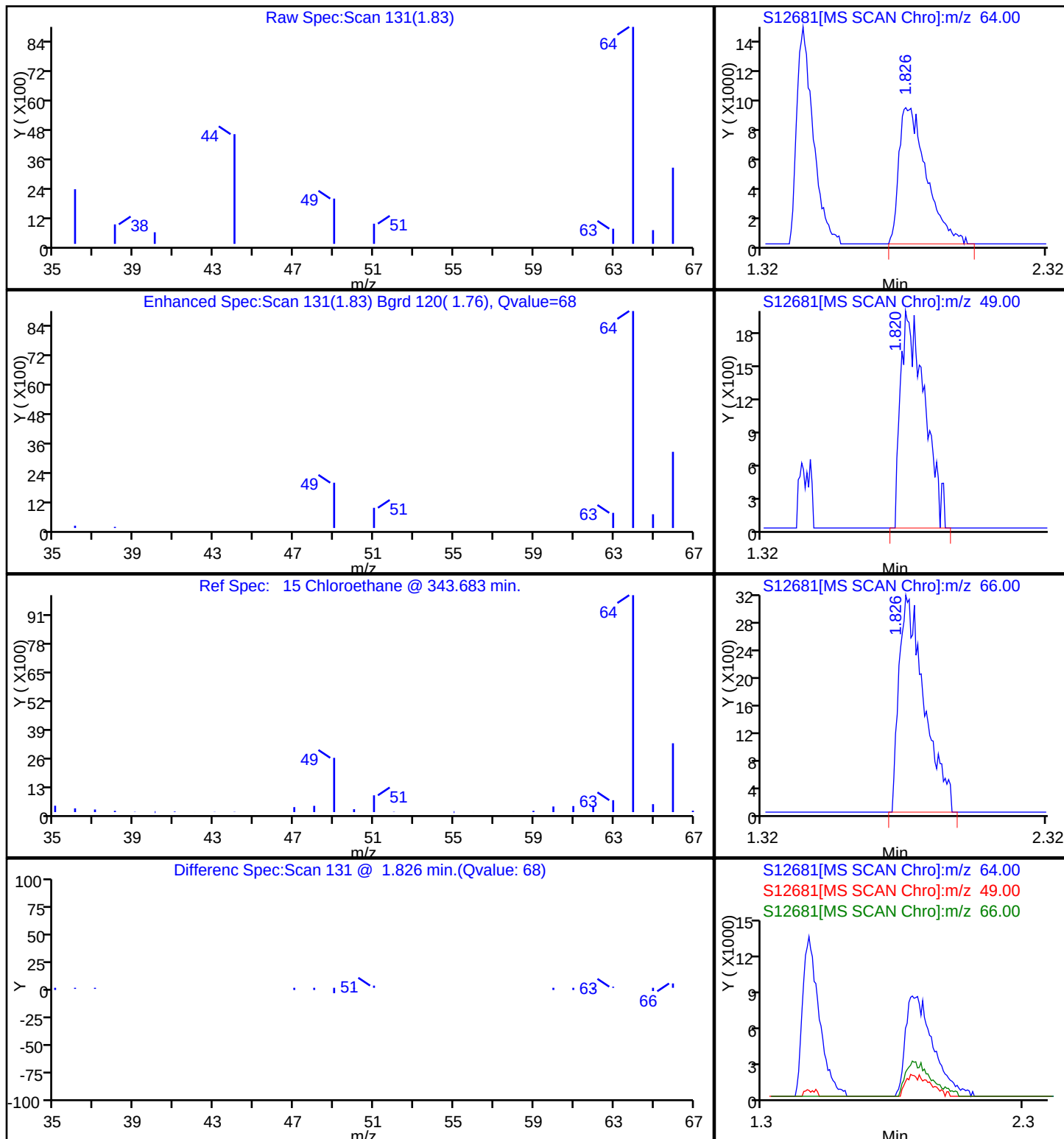
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

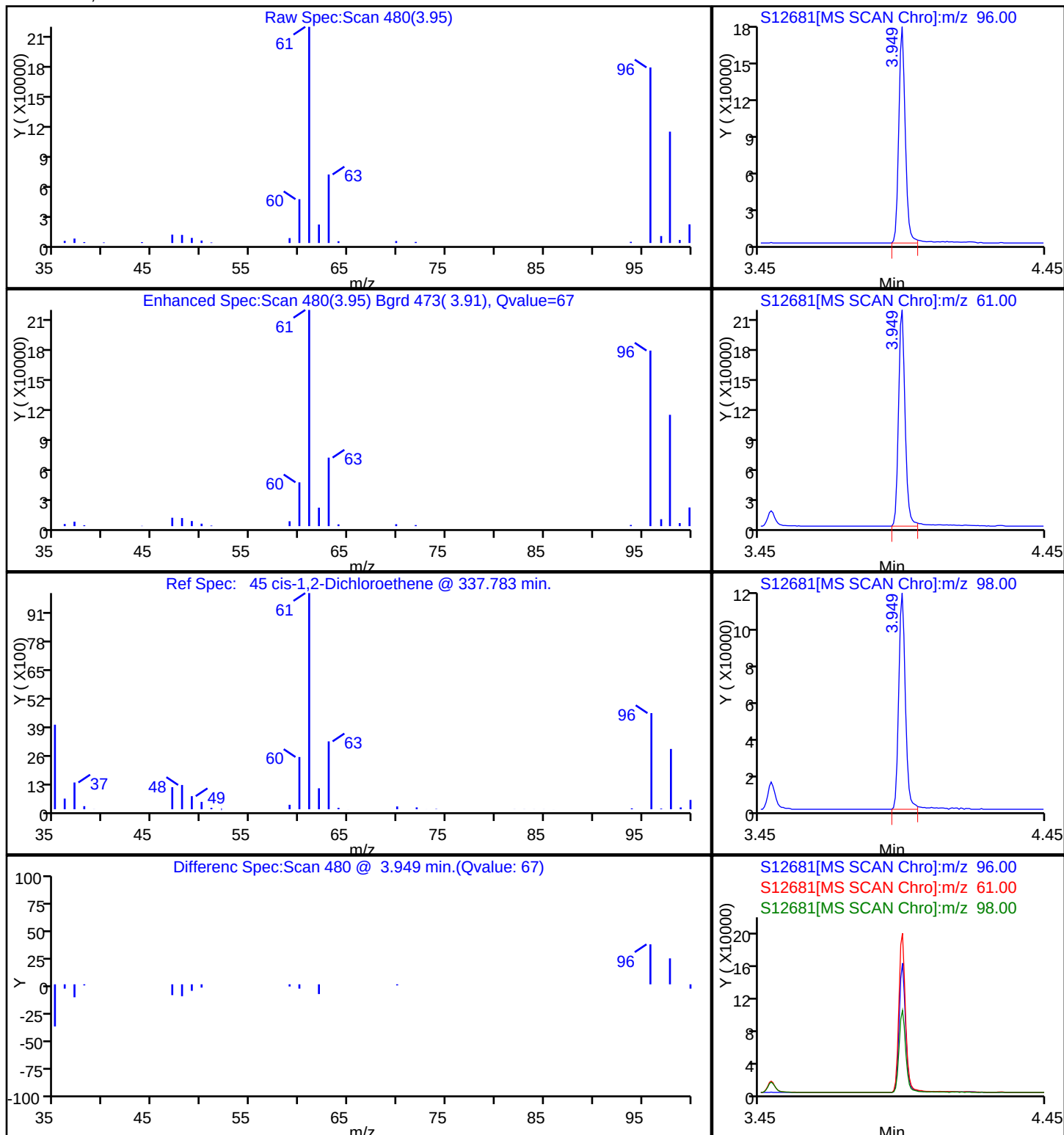
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12681.D

Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

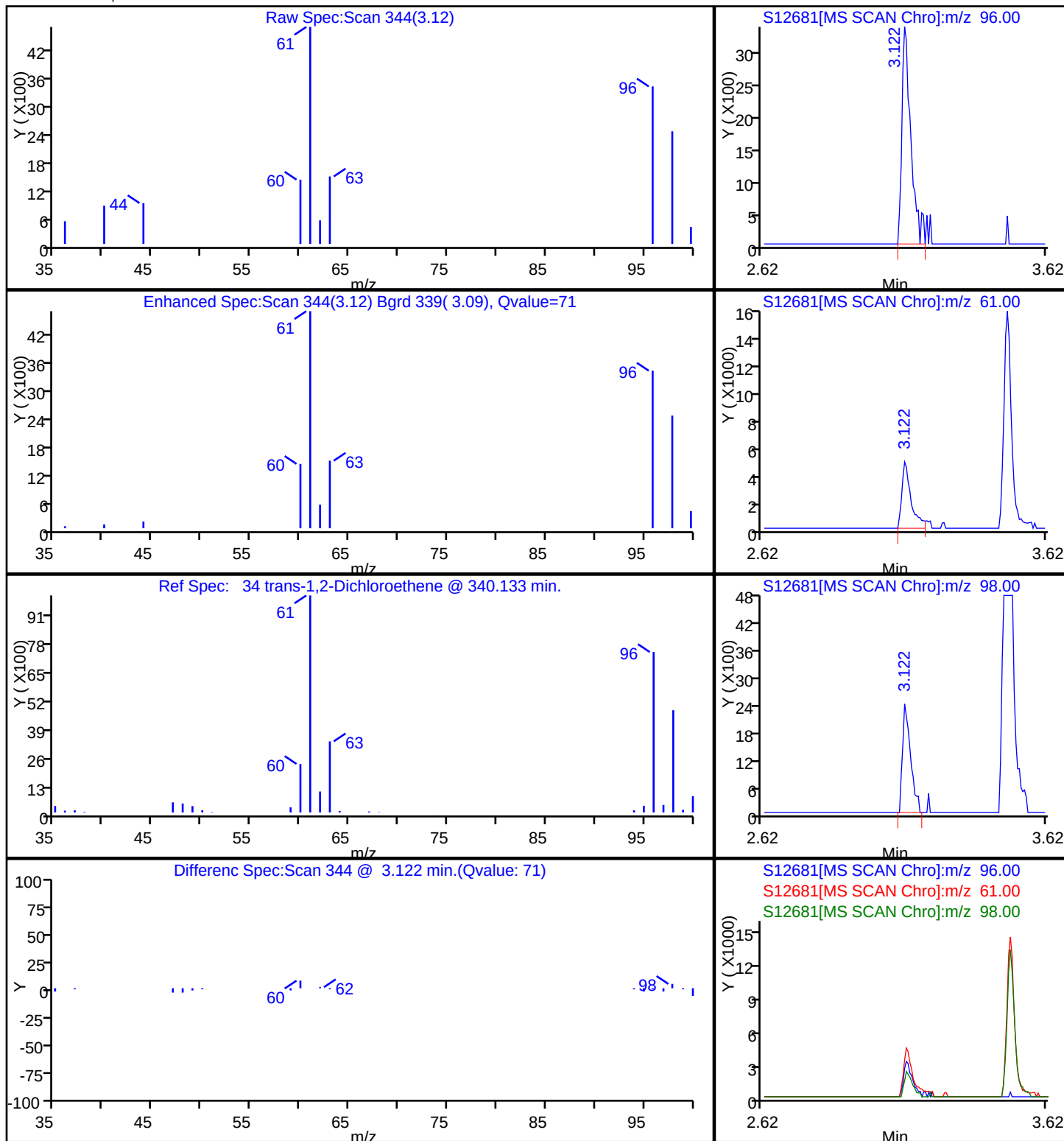
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



Data File:

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Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

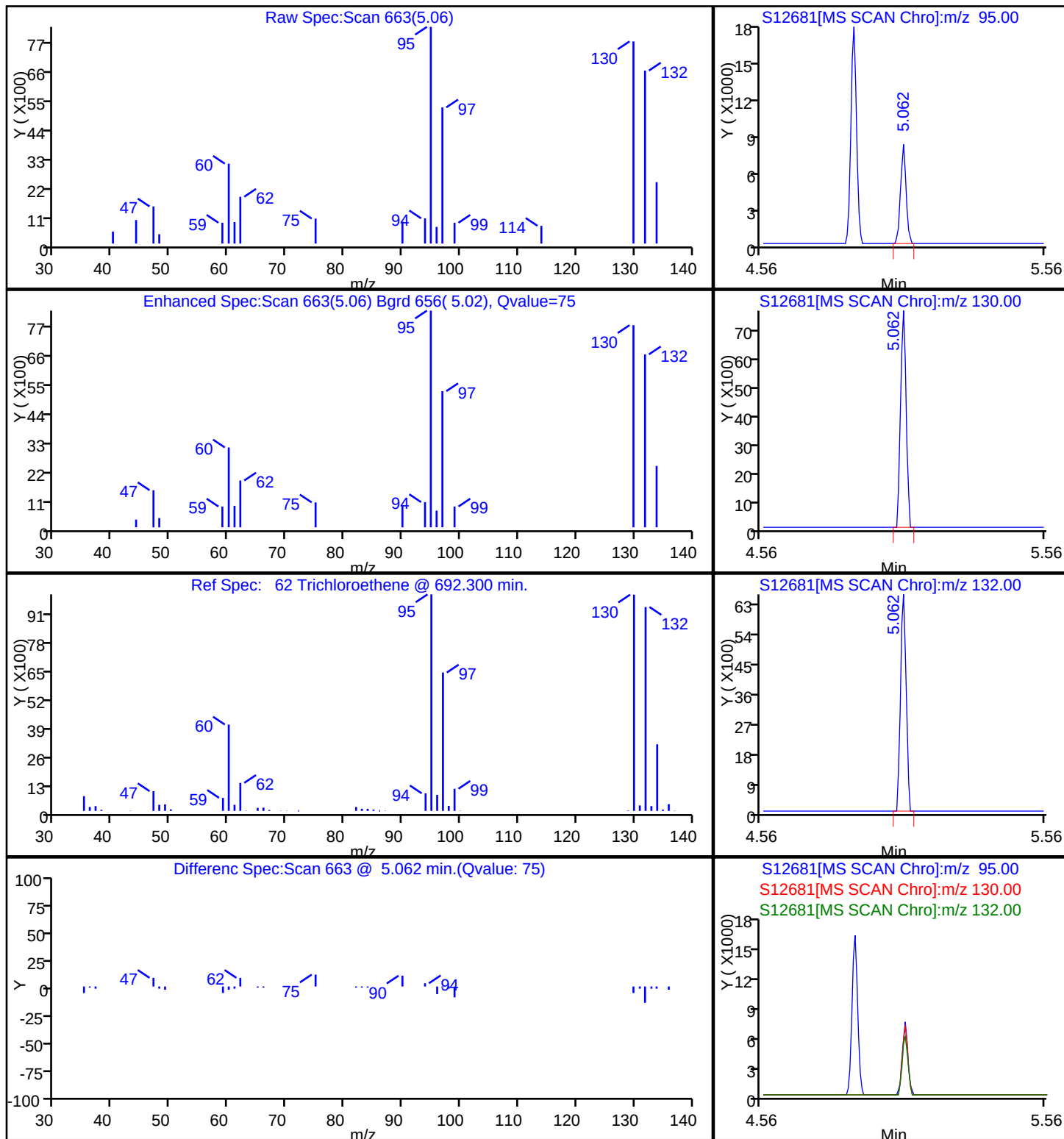
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 08:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12681.D

Injection Date: 05-Apr-2012 16:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14S

Instrument ID: HP5973S

Lims Batch ID: 58271

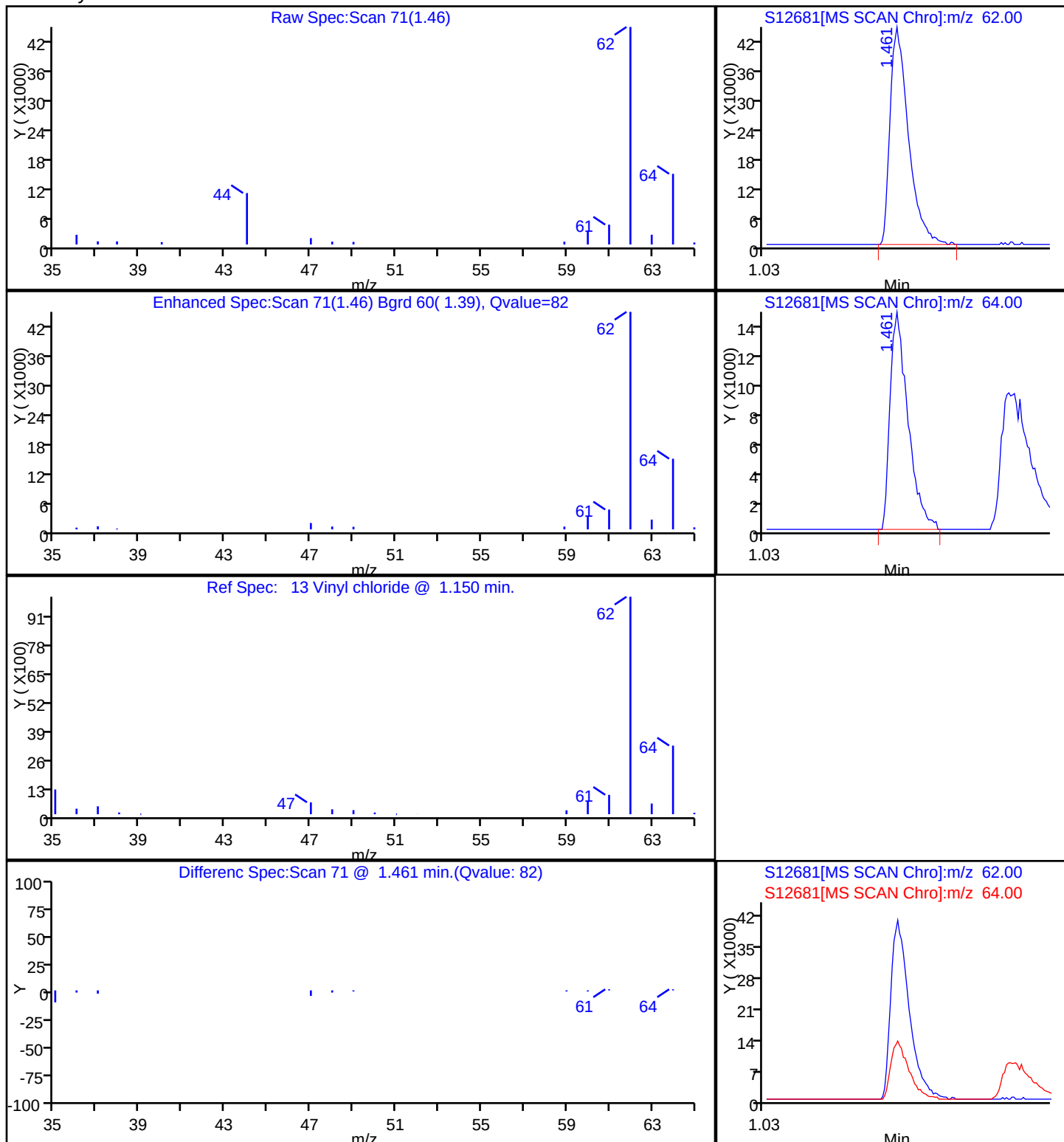
Lims Sample ID: 16

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-14D Lab Sample ID: 480-18001-15

Matrix: Ground Water Lab File ID: S12682.D

Analysis Method: 8260B Date Collected: 04/02/2012 15:40

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 16:53

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	0.44	J	1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	13		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-14D Lab Sample ID: 480-18001-15
 Matrix: Ground Water Lab File ID: S12682.D
 Analysis Method: 8260B Date Collected: 04/02/2012 15:40
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 16:53
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	0.64	J	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	9.9		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12682.D
 Lims ID: 480-18001-A-15 Client ID: MW-14D
 Inject. Date: 05-Apr-2012 16:53:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-15
 Misc. Info.: 480-0010748-017 =480-0010748-017
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 17
 Lims Batch ID: 58271 Lims Sample ID: 17
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:48:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	816200	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	431202	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	373369	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	149153	30.0	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	967335	30.0	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	258785	27.0	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.467	0.0	73	85469	9.88	
14 Bromomethane	94		1.728					
15 Chloroethane	64		1.868					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.446					
22 1,1-Dichloroethene	96		2.477					
23 Acetone	43	2.592	2.592	0.0	66	3807	1.18	
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.116					
39 1,1-Dichloroethane	63	3.487	3.481	0.006	11	6236	0.4414	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	116927	12.6	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	64	5720	0.6448	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:48:45

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12682.D

Injection Date: 05-Apr-2012 16:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973S

Lims Batch ID: 58271

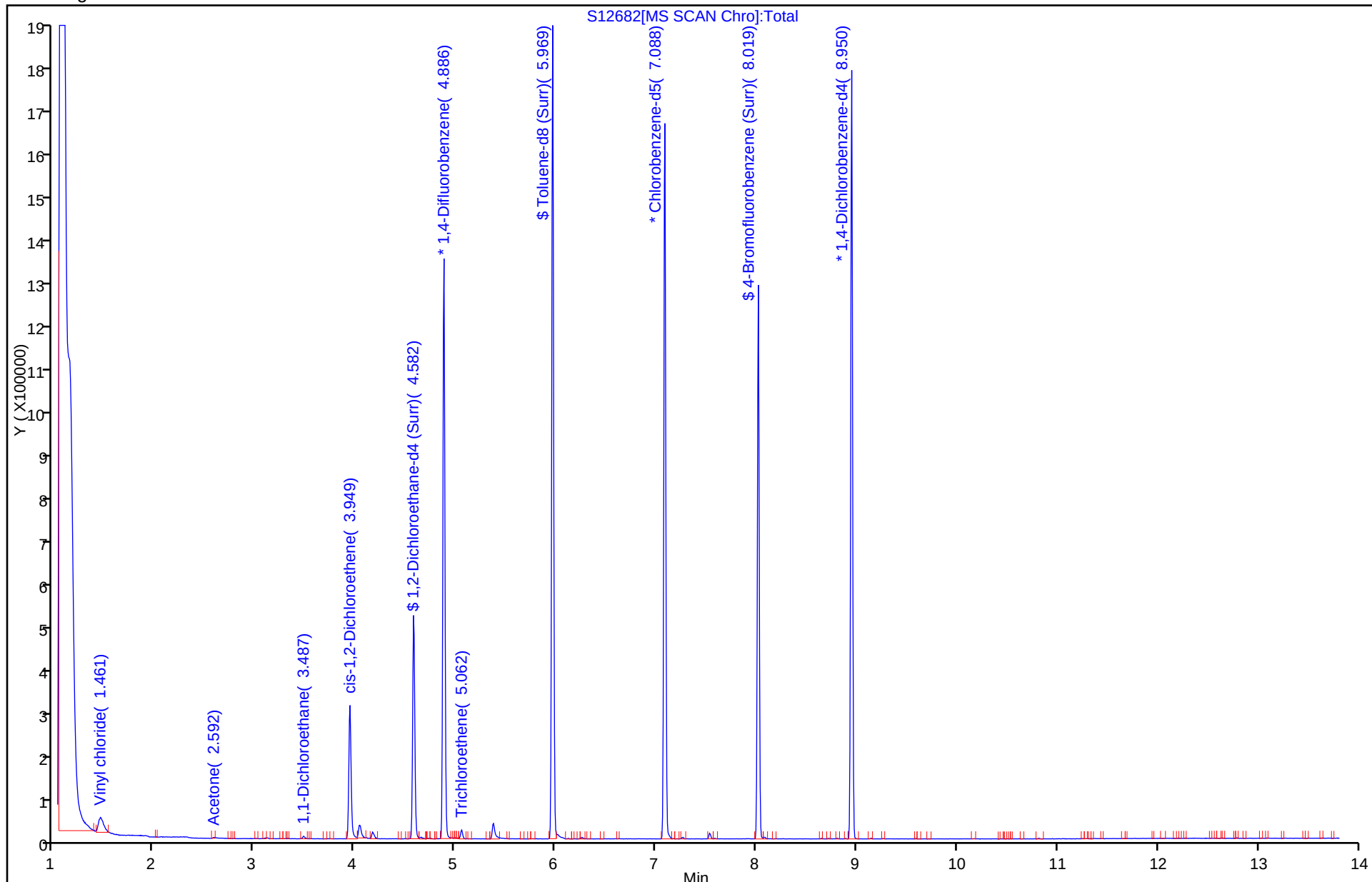
Lims Sample ID: 17

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:48:45

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973S

Lims Batch ID: 58271

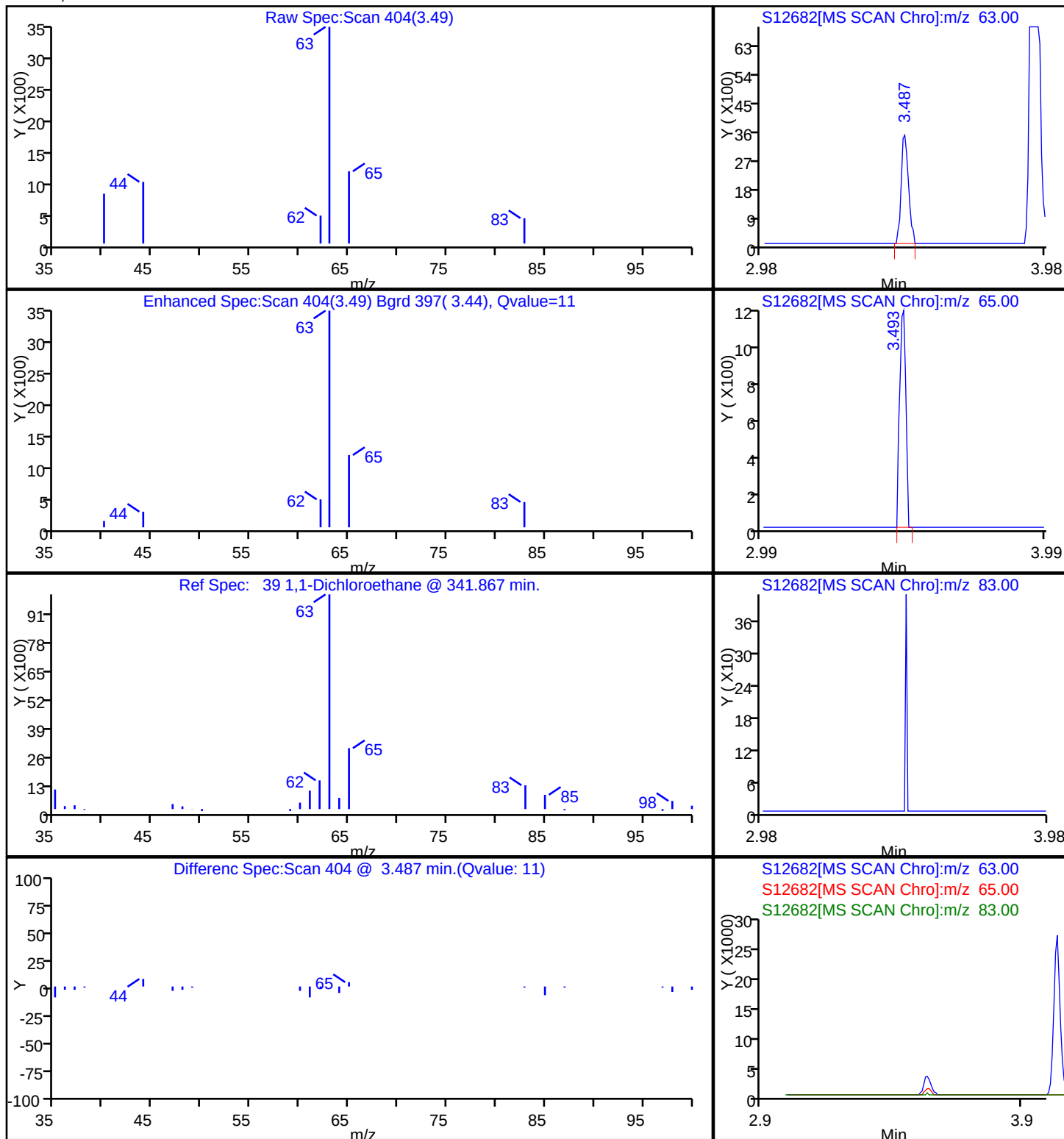
Lims Sample ID: 17

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 08:48:45

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 16:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973S

Lims Batch ID: 58271

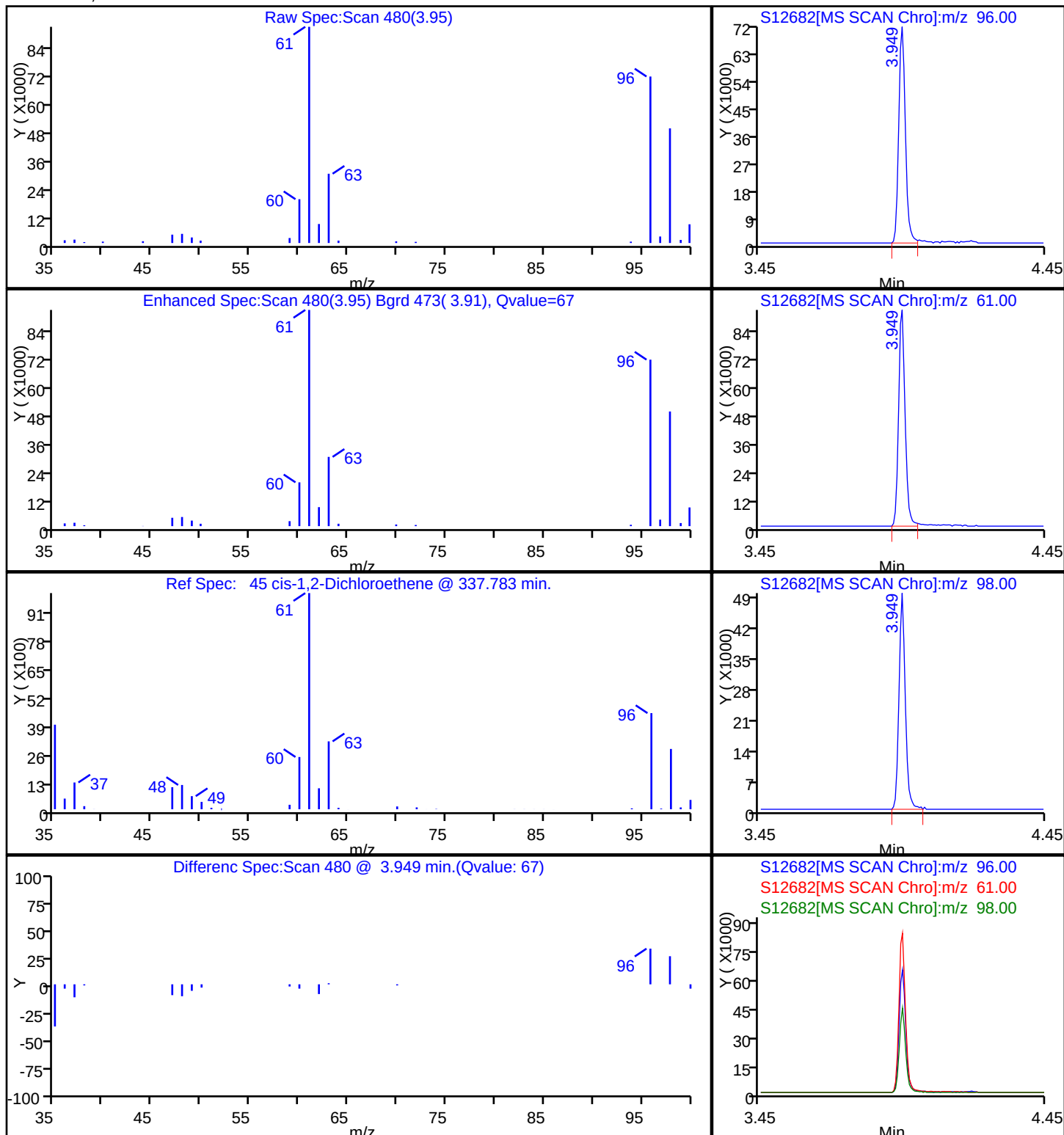
Lims Sample ID: 17

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Data File:

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Injection Date: 05-Apr-2012 16:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973S

Lims Batch ID: 58271

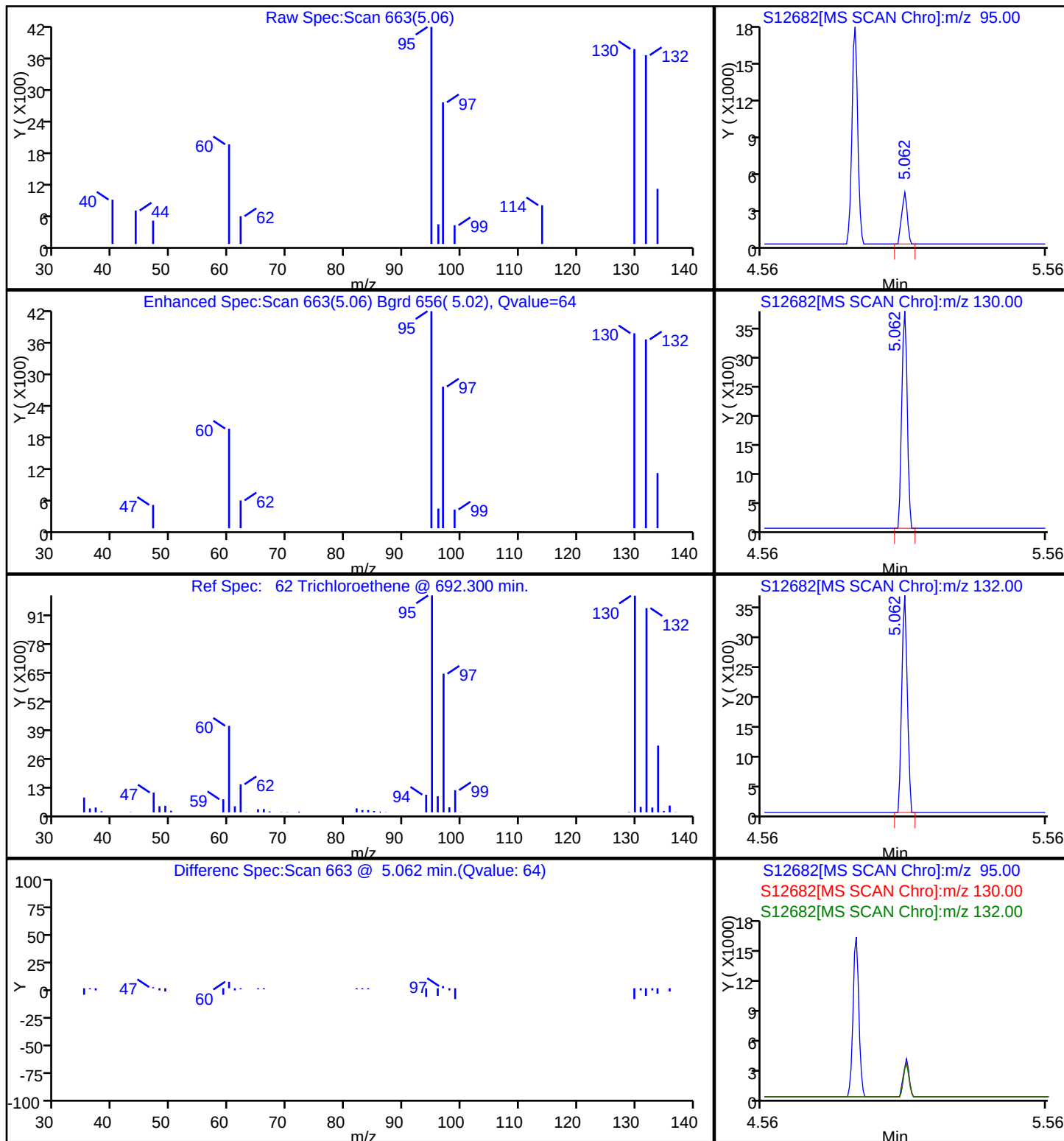
Lims Sample ID: 17

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 08:48:45

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12682.D

Injection Date: 05-Apr-2012 16:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-14D

Instrument ID: HP5973S

Lims Batch ID: 58271

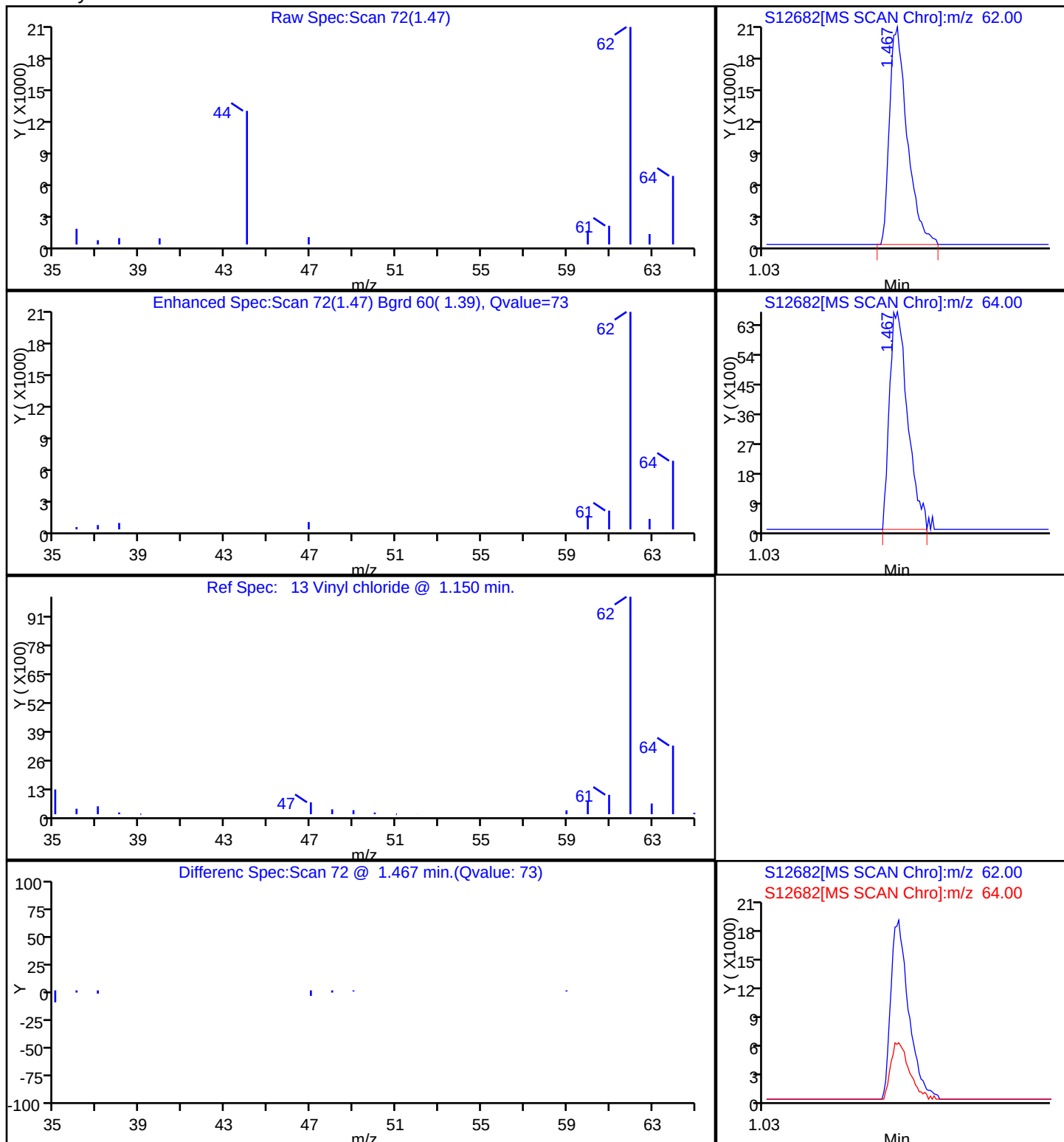
Lims Sample ID: 17

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-15S Lab Sample ID: 480-18001-16

Matrix: Ground Water Lab File ID: S12683.D

Analysis Method: 8260B Date Collected: 04/03/2012 09:05

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 17:14

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	950	E	1.0	0.38
75-35-4	1,1-Dichloroethene	26		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	1.3		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	630	E	10	1.3
591-78-6	2-Hexanone	21		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	46		5.0	2.1
67-64-1	Acetone	2600	E	10	3.0
71-43-2	Benzene	4.2		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	330	E	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1100	E	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	0.74	J	1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	8.8		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-15S Lab Sample ID: 480-18001-16
 Matrix: Ground Water Lab File ID: S12683.D
 Analysis Method: 8260B Date Collected: 04/03/2012 09:05
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 17:14
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	0.58	J	1.0	0.16
75-09-2	Methylene Chloride	3.5		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	0.81	J	1.0	0.36
108-88-3	Toluene	170	E	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	7.8		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	210	E	1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	480	E	1.0	0.90
1330-20-7	Xylenes, Total	48		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	115		73-120
2037-26-5	Toluene-d8 (Surr)	125		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D
 Lims ID: 480-18001-A-16 Client ID: MW-15S
 Inject. Date: 05-Apr-2012 17:14:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-16
 Misc. Info.: 480-0010748-018 =480-0010748-018
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 18
 Lims Batch ID: 58271 Lims Sample ID: 18
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:49:50

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	828401	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	427401	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	383193	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	97	152734	30.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	80	995248	31.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	273249	28.8	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.467	0.0	83	4218789	480.4	E
14 Bromomethane	94		1.728					
15 Chloroethane	64	1.844	1.868	-0.024	94	1920851	331.0	E
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.446					
22 1,1-Dichloroethene	96	2.483	2.477	0.006	89	209660	25.7	
23 Acetone	43	2.586	2.592	-0.006	97	8551027	2617.4	E
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84	2.982	2.970	0.012	66	36261	3.49	
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.128	3.116	0.012	89	64750	7.80	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	84	13656927	952.5	E
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	63	10155915	1079.2	E
43 2-Butanone (MEK)	43	3.992	3.992	0.0	97	3129841	632.4	E
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56	4.296	4.290	0.006	68	9501	0.7355	
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	65	151607	4.19	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	1	15753	1.27	
62 Trichloroethene	95	5.062	5.056	0.006	93	1921465	213.4	E
64 Methylcyclohexane	83	5.154	5.154	0.0	9	9339	0.5812	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.914	0.006	92	446350	45.7	
74 Toluene	92	6.017	6.017	0.0	92	4141502	174.6	E
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	62	7197	0.8140	
80 2-Hexanone	43	6.553	6.547	0.006	71	149426	20.7	
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91	7.173	7.173	0.0	98	397244	8.83	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	506862	29.6	
91 o-Xylene	106	7.581	7.581	0.0	97	306749	18.4	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105	7.867	7.867	0.0	80	20393	0.4742	
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		48.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

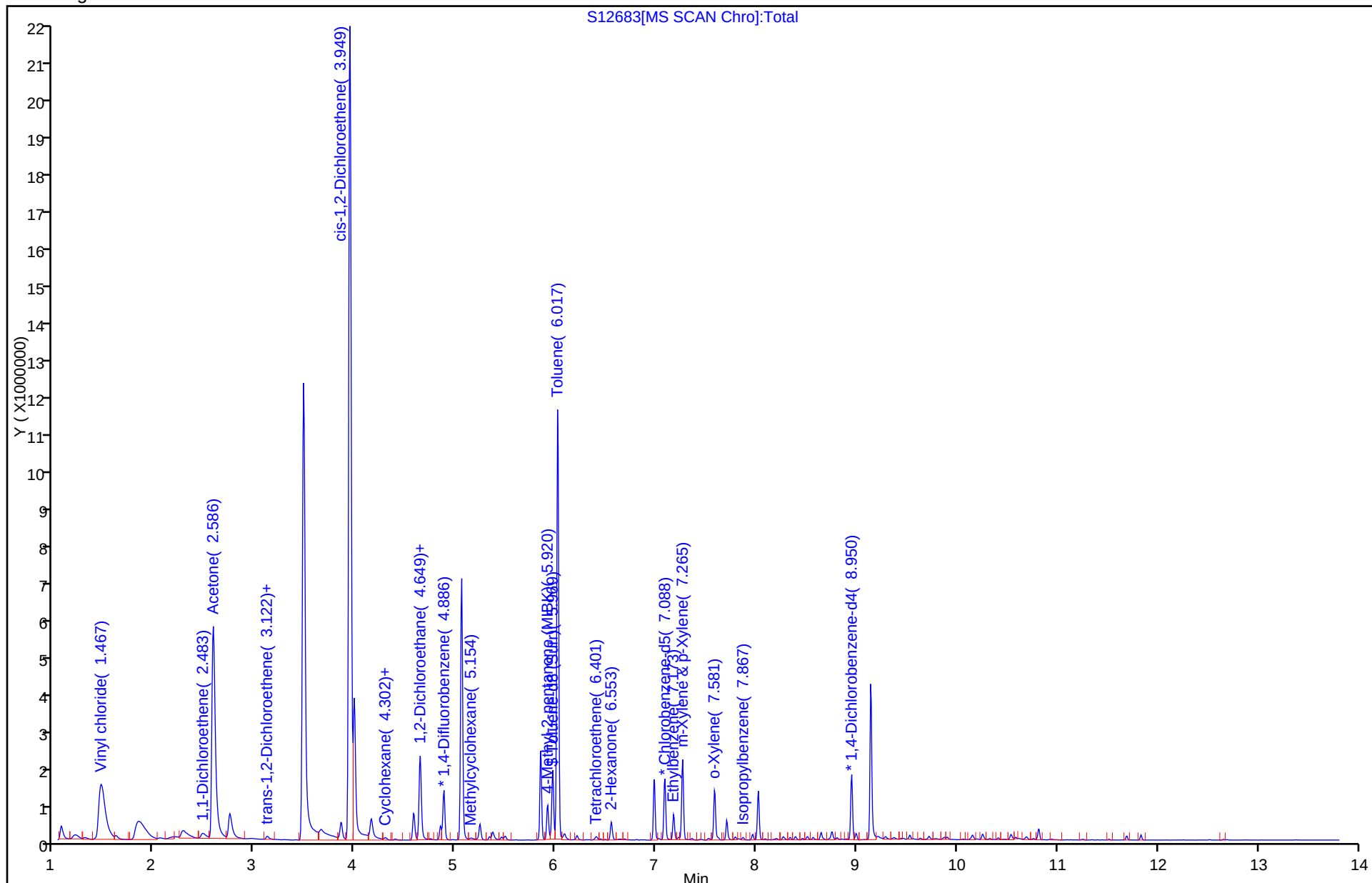
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

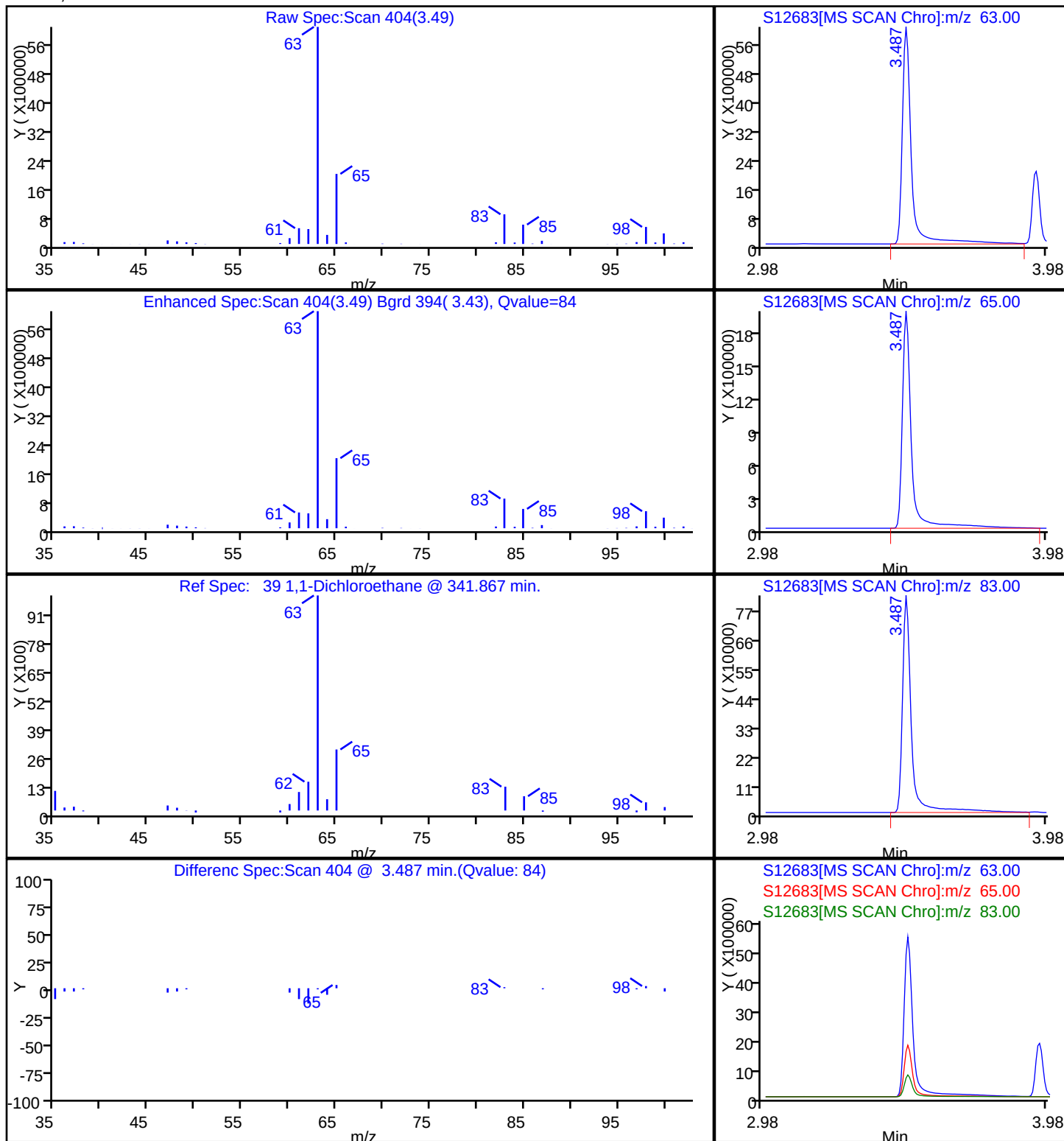
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

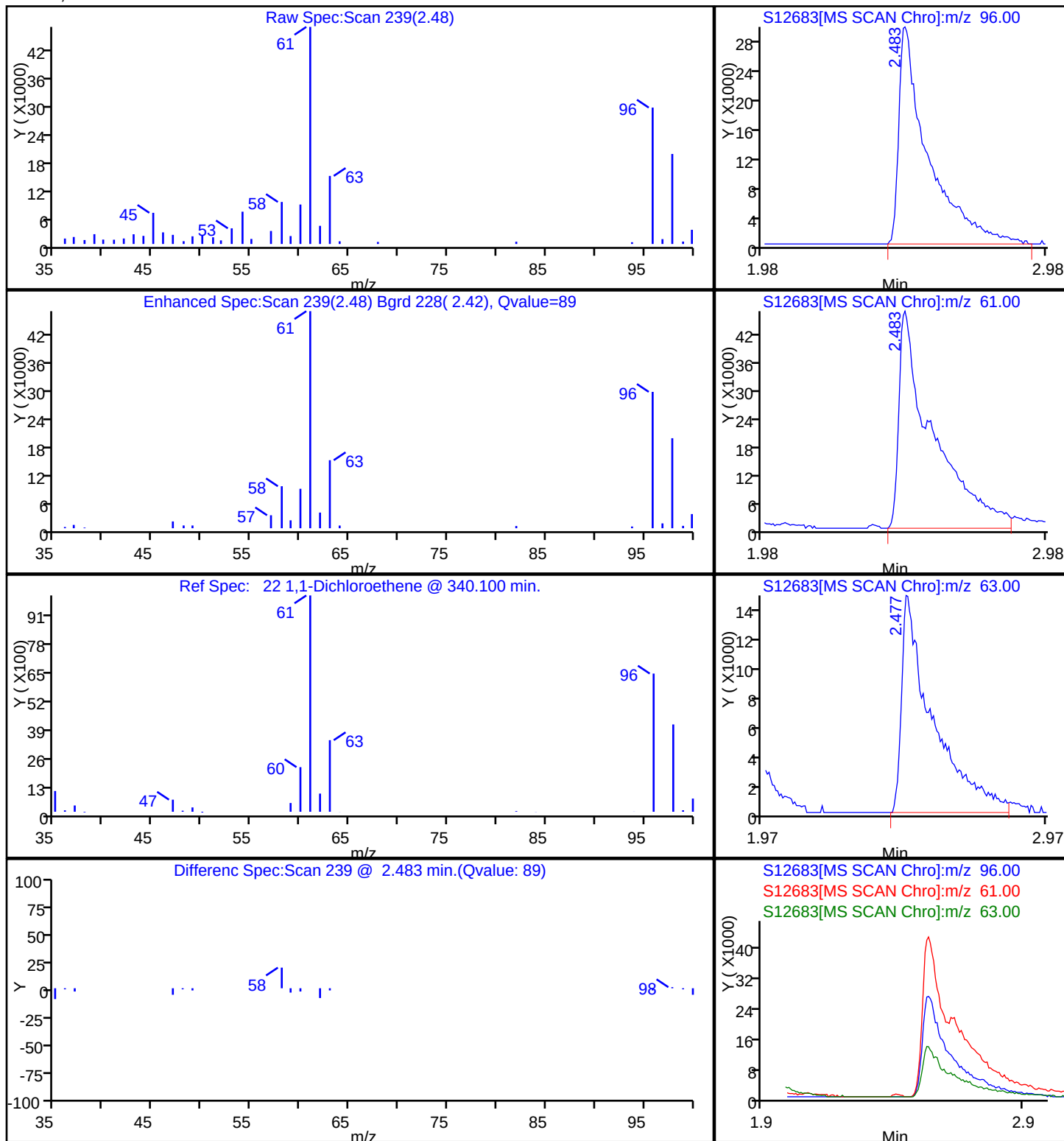
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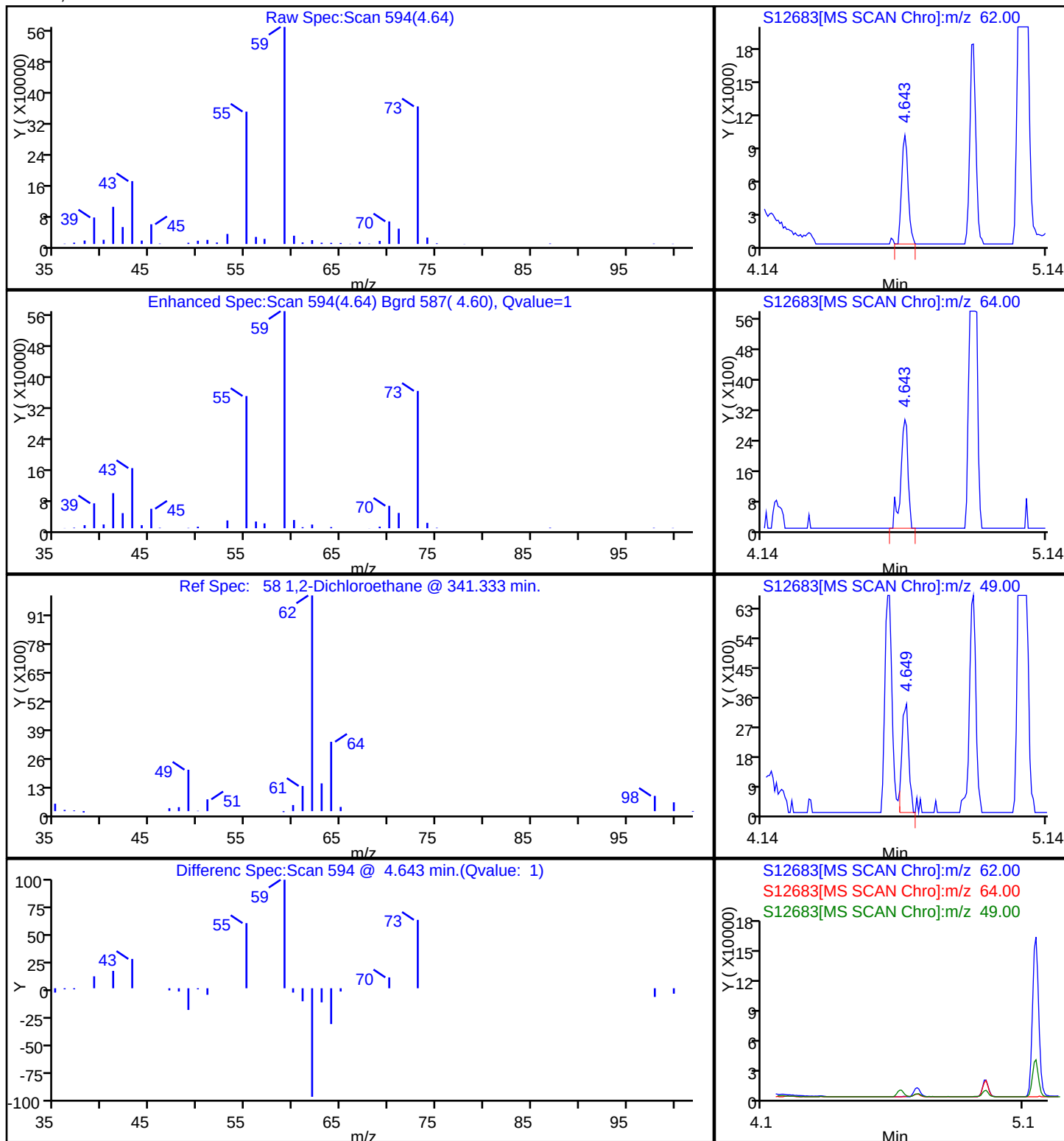
Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene





Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

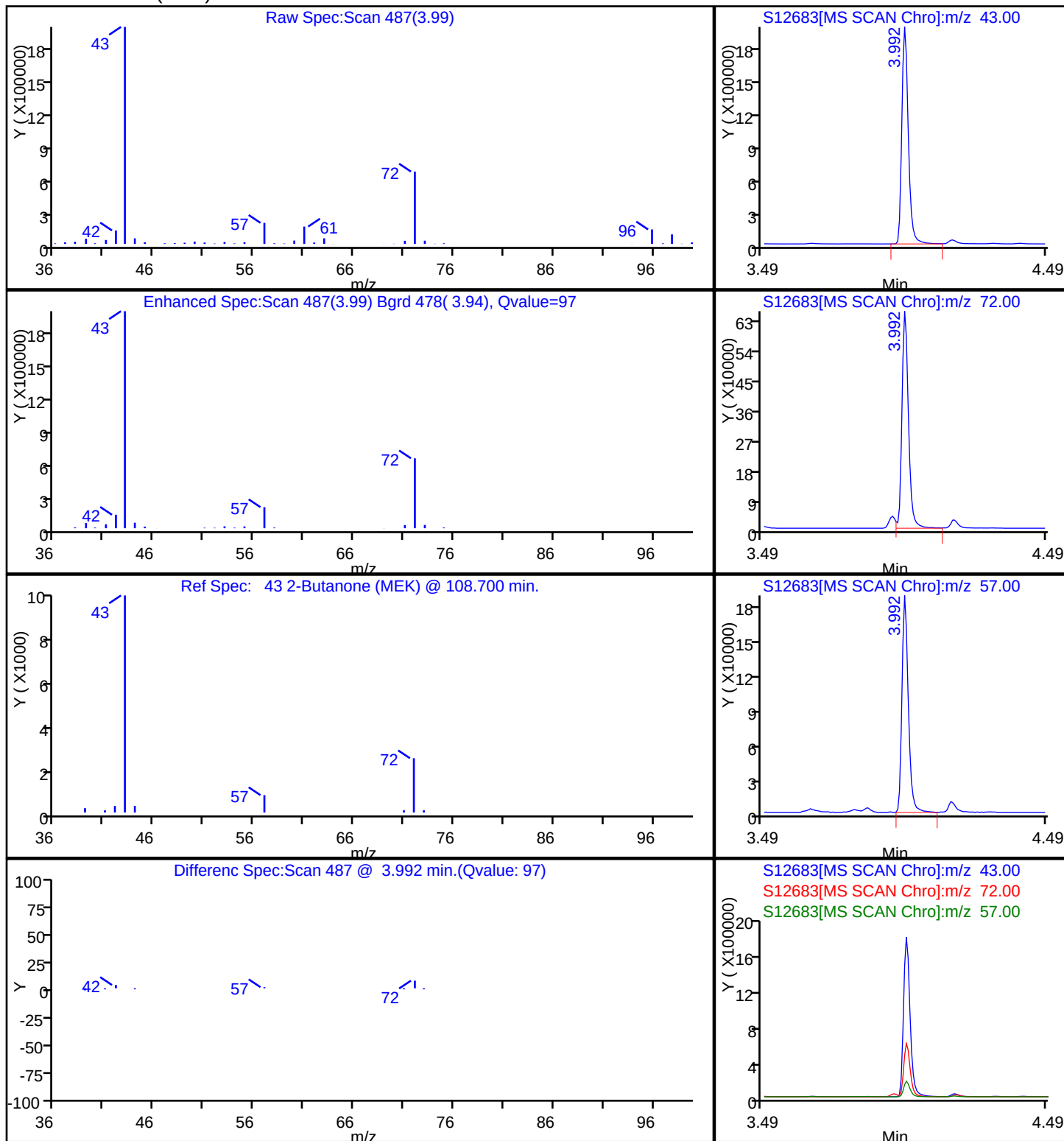
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

43 2-Butanone (MEK)



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

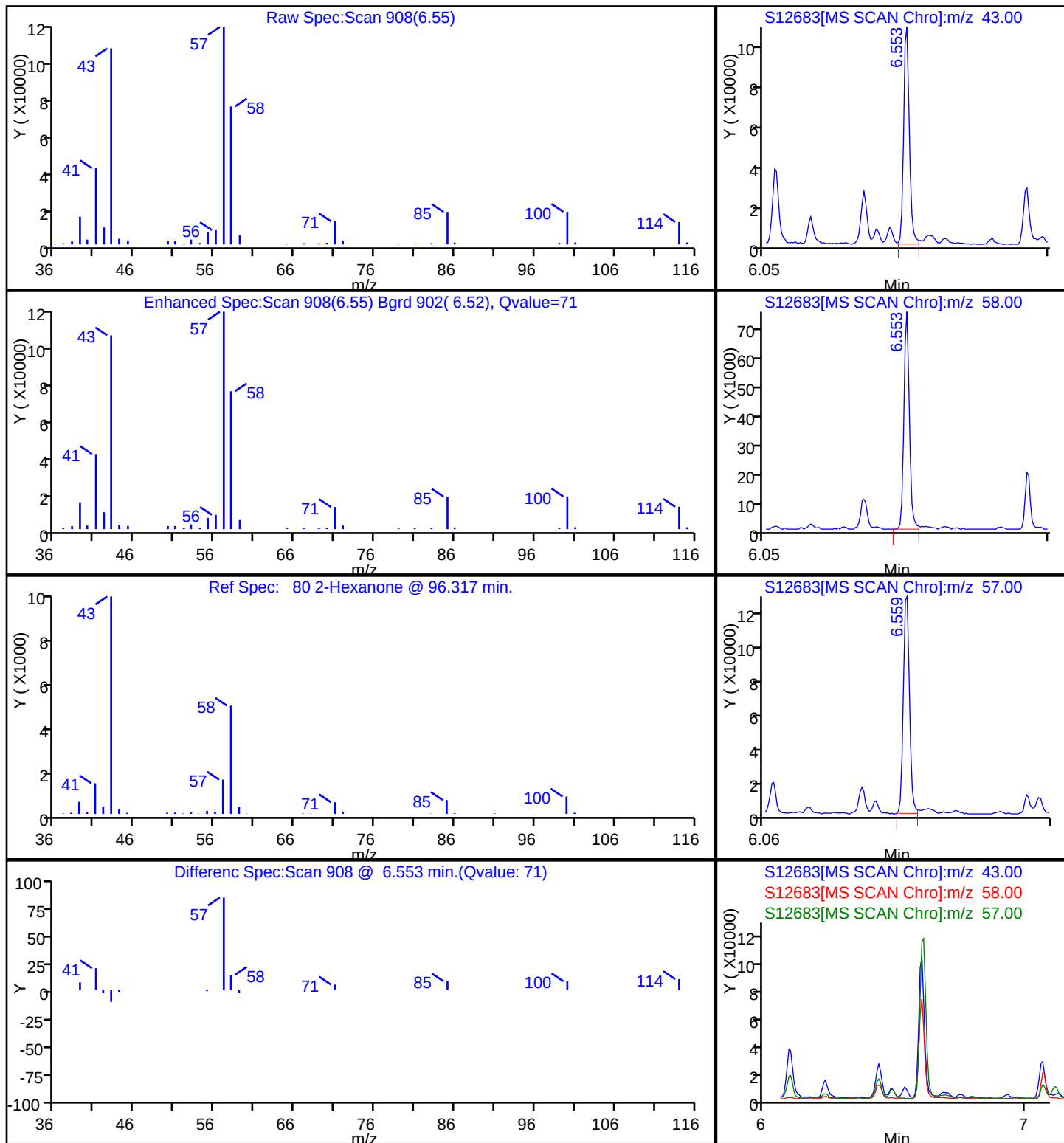
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

80 2-Hexanone



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

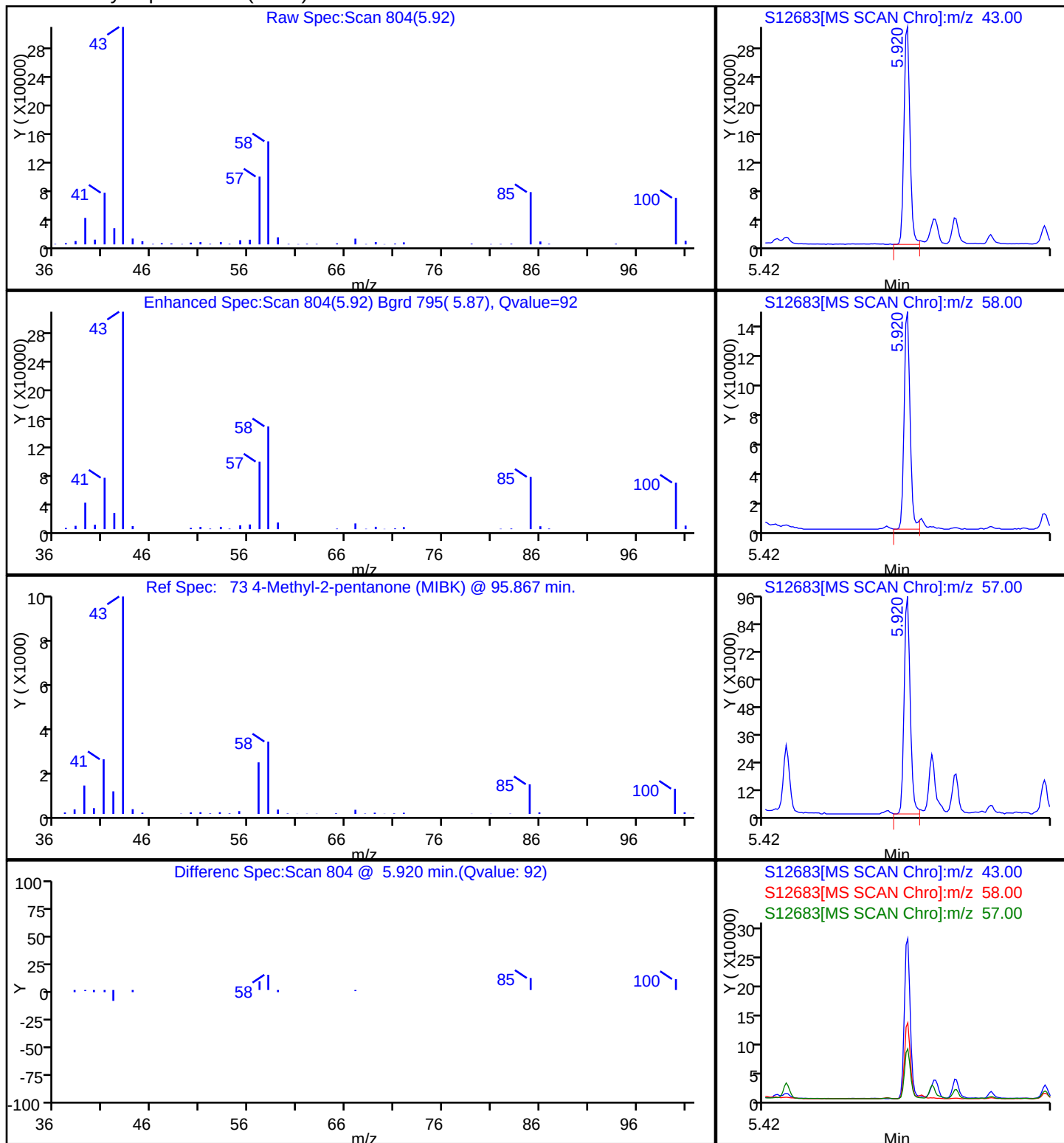
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

73 4-Methyl-2-pentanone (MIBK)



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

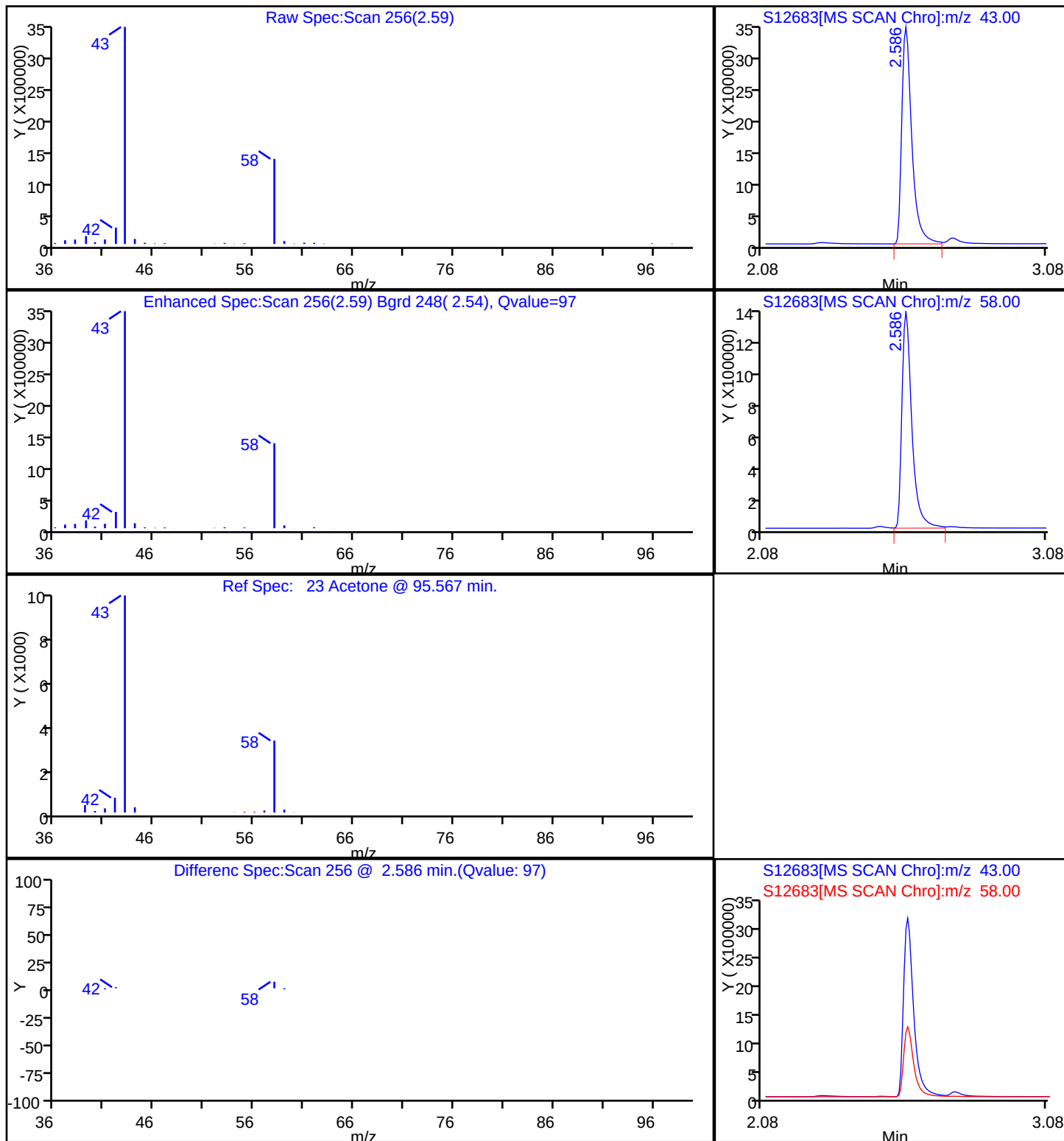
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Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

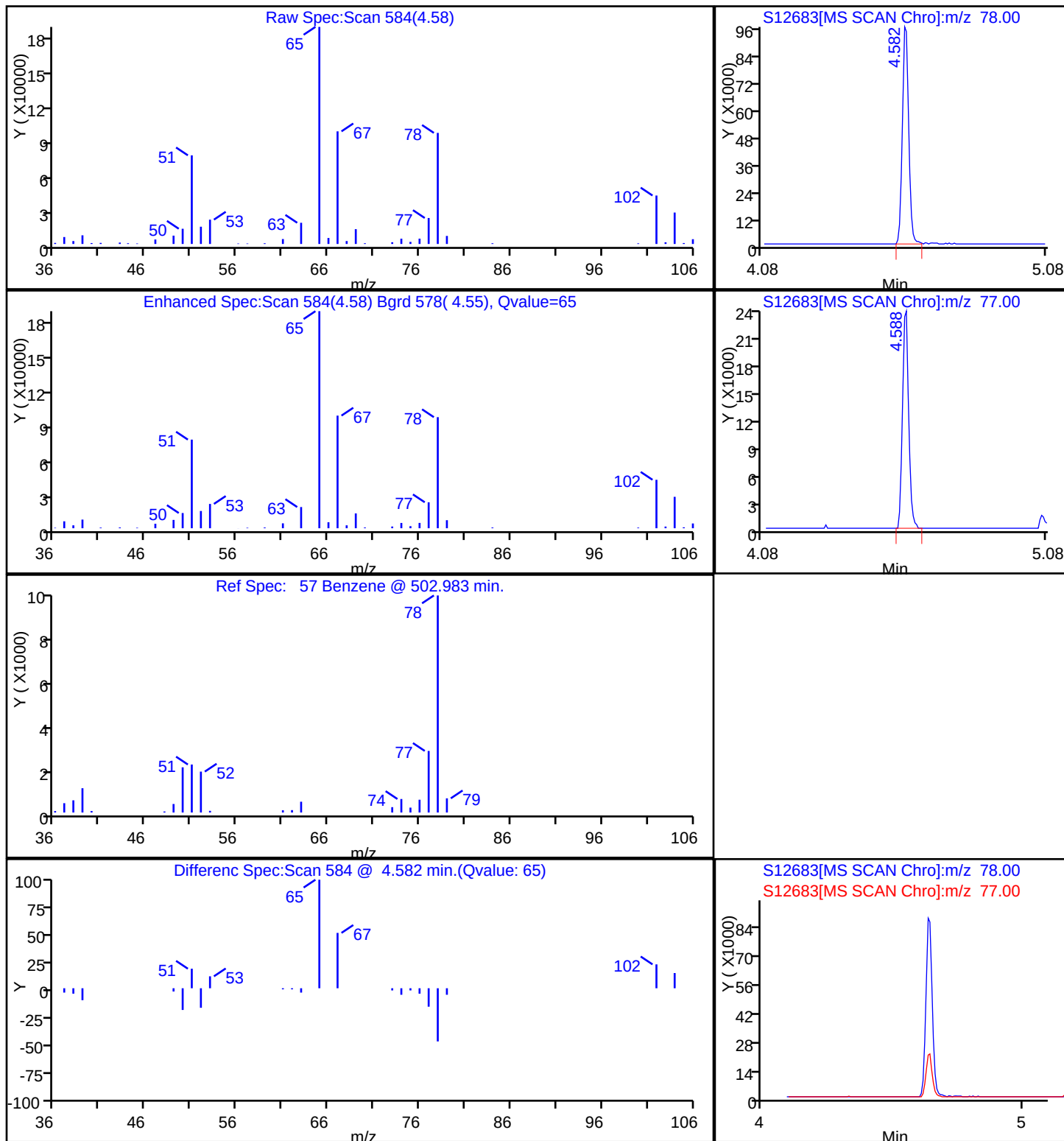
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

57 Benzene



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

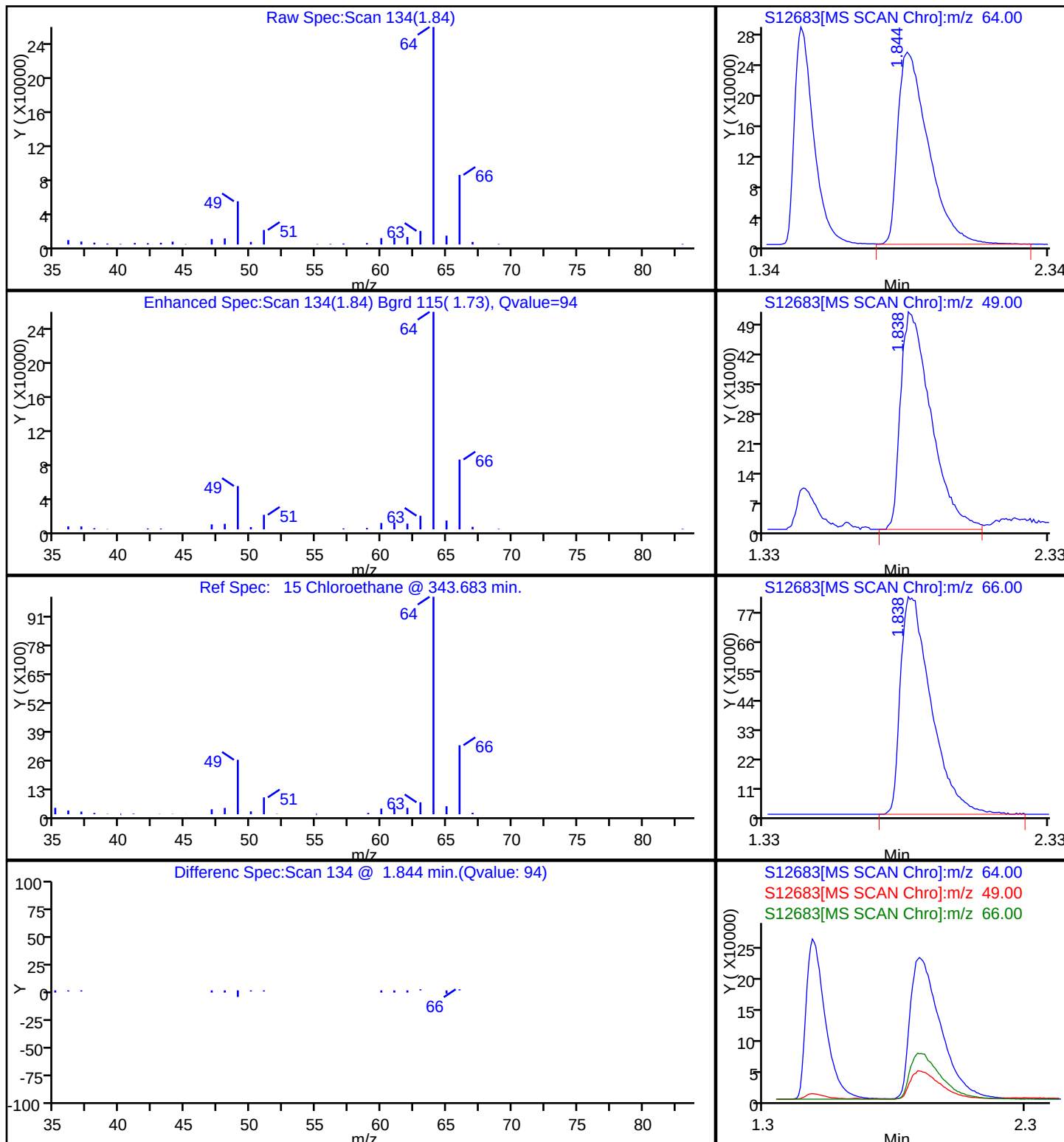
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

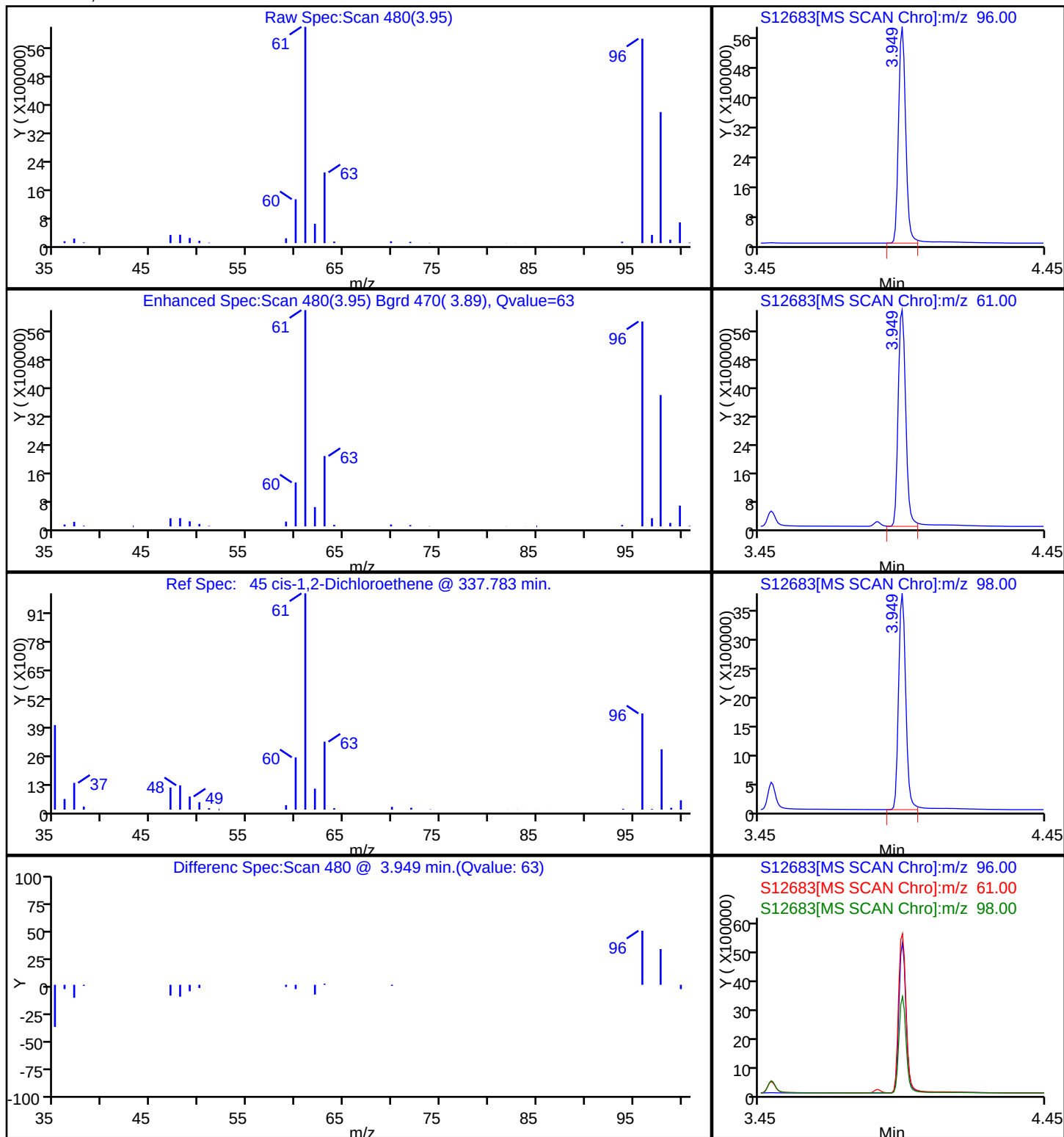
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

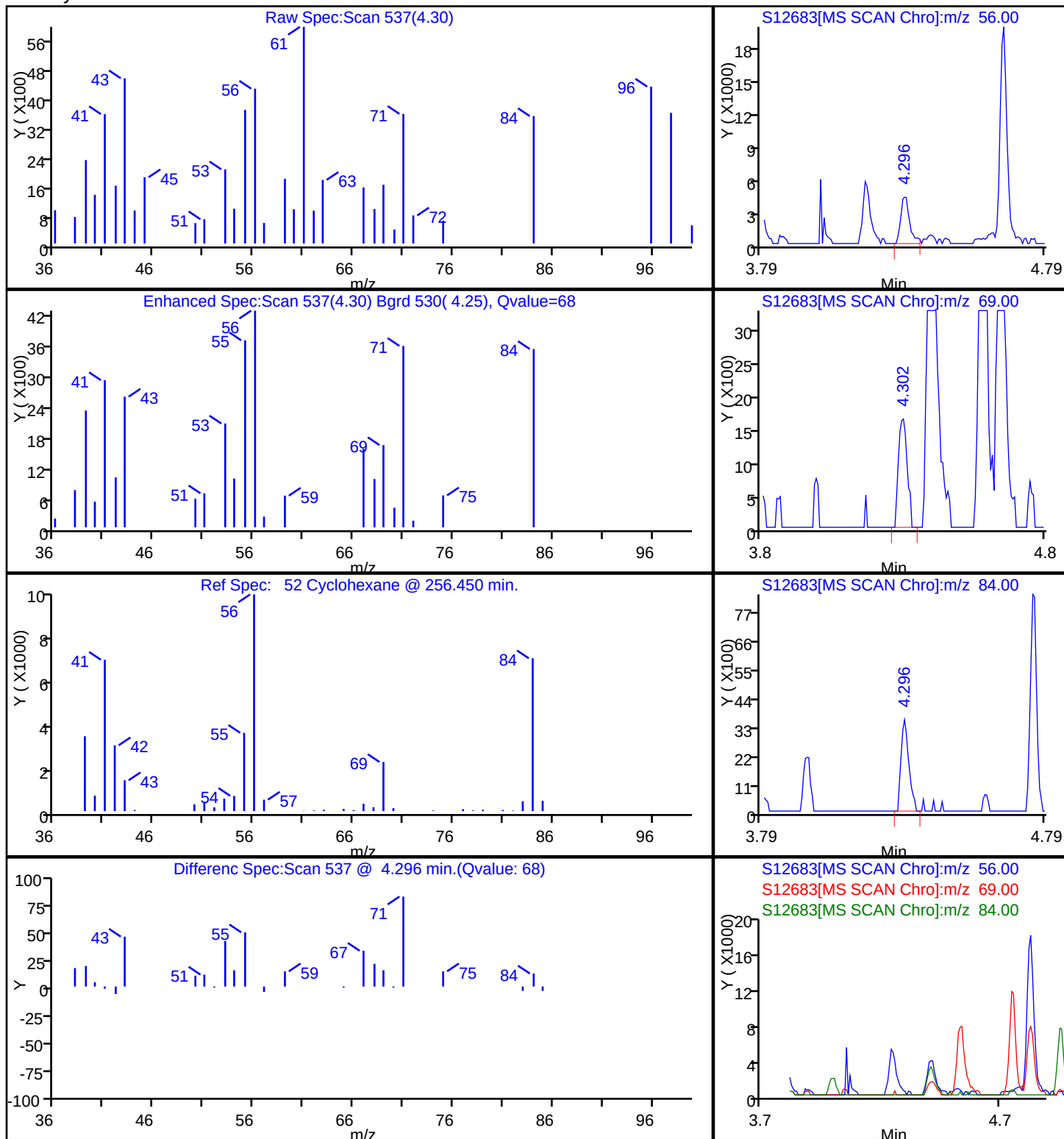
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

52 Cyclohexane



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

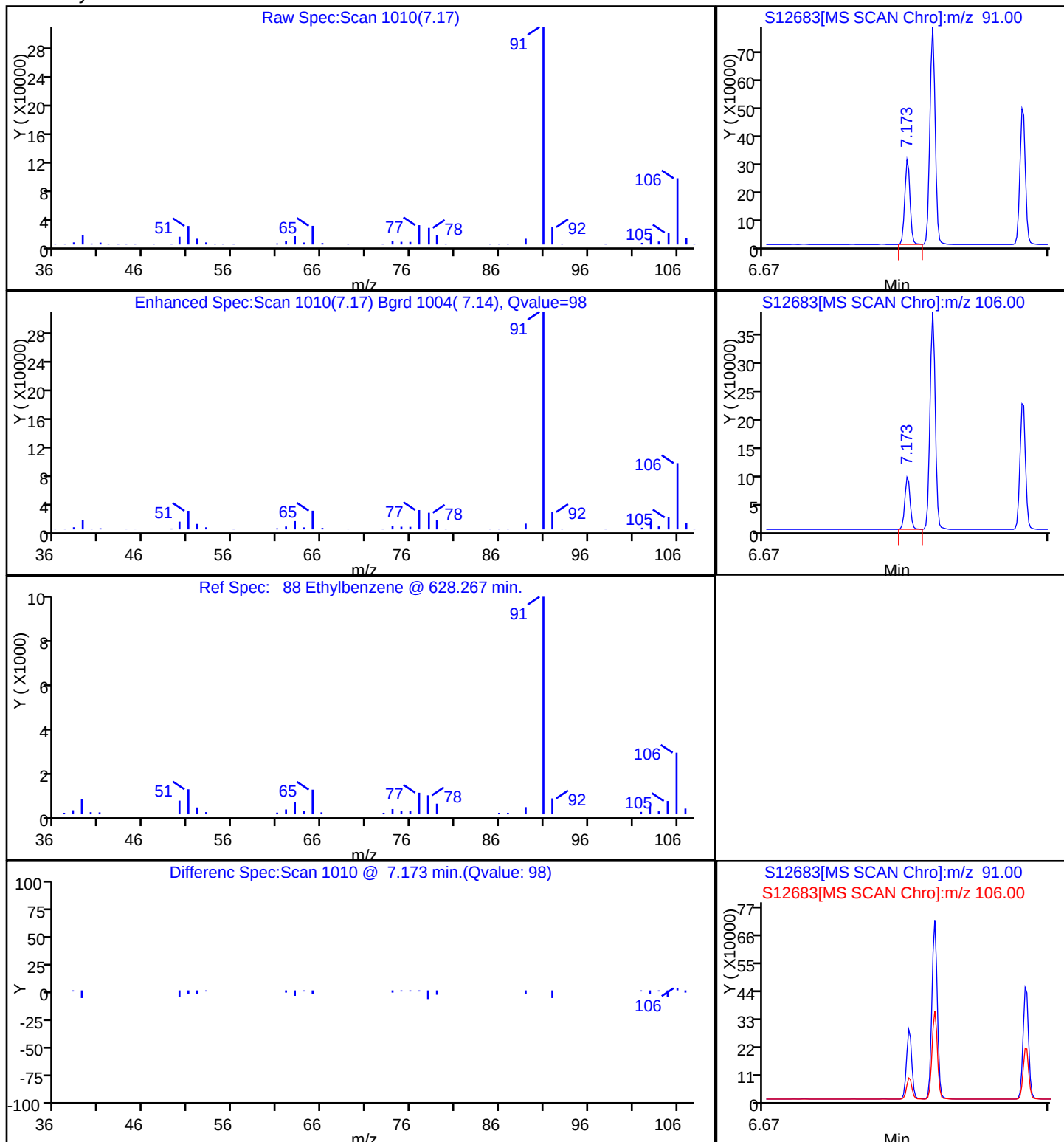
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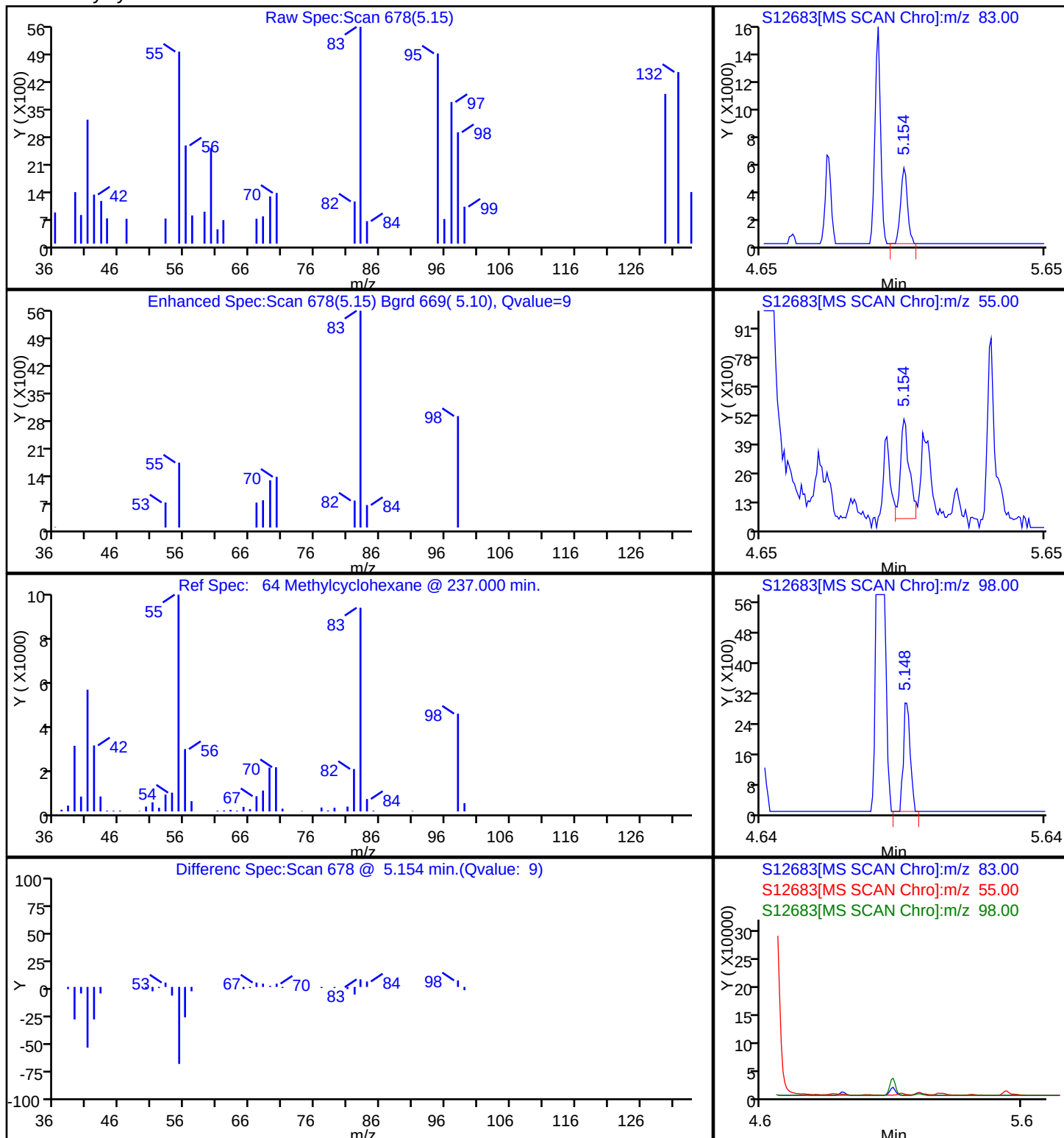
Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

88 Ethylbenzene





Data File:

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Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

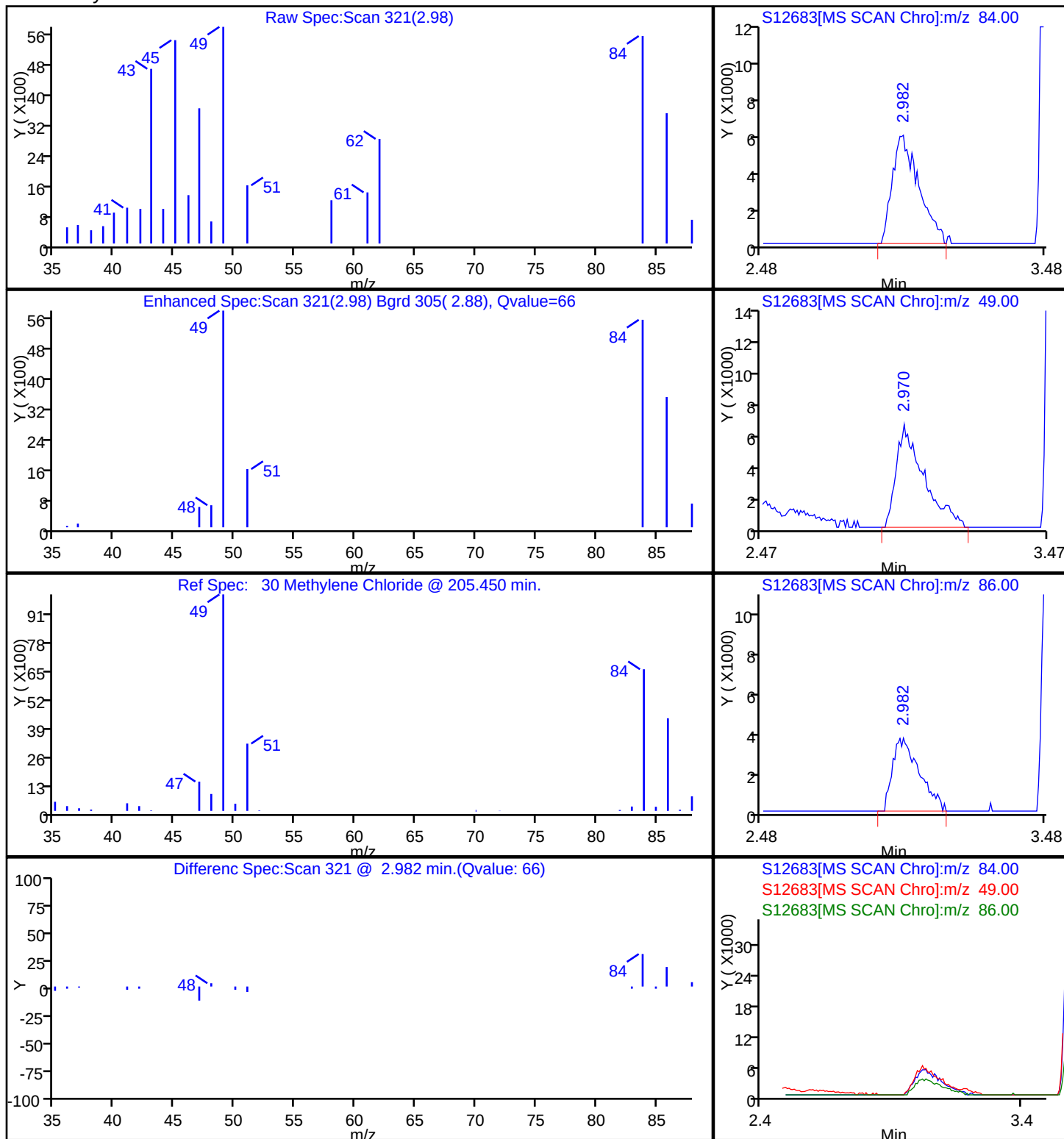
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

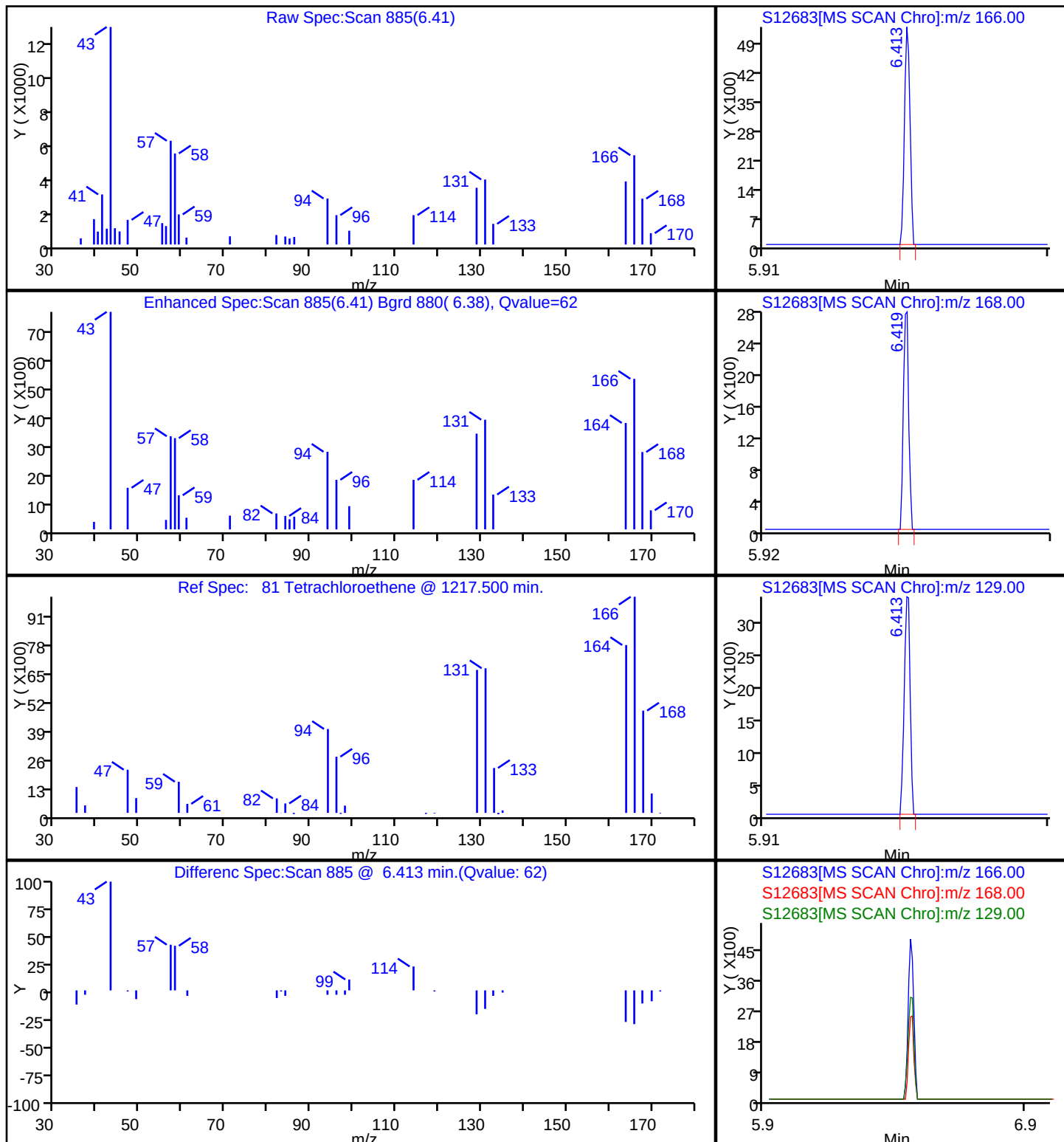
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

81 Tetrachloroethene



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

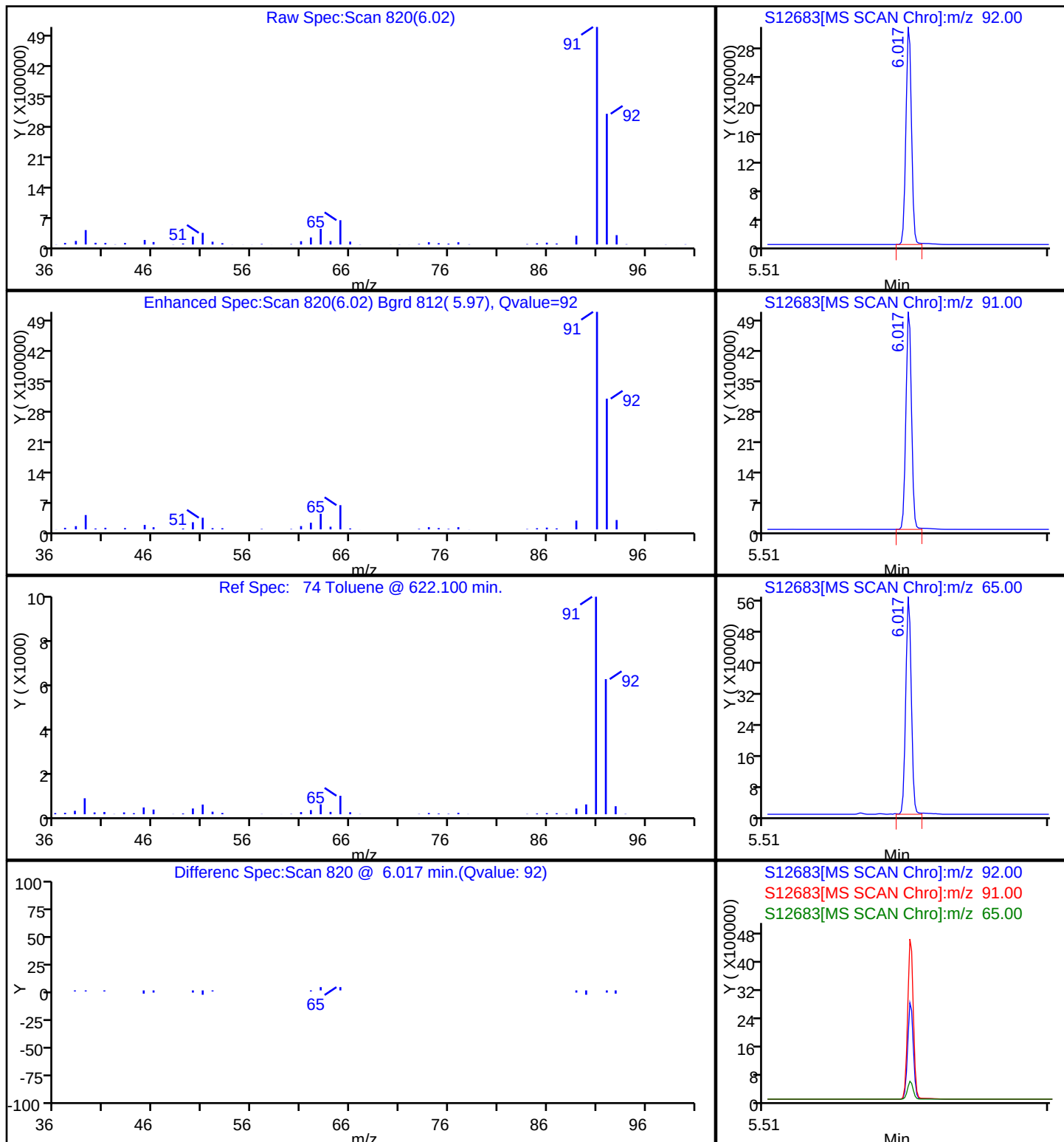
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

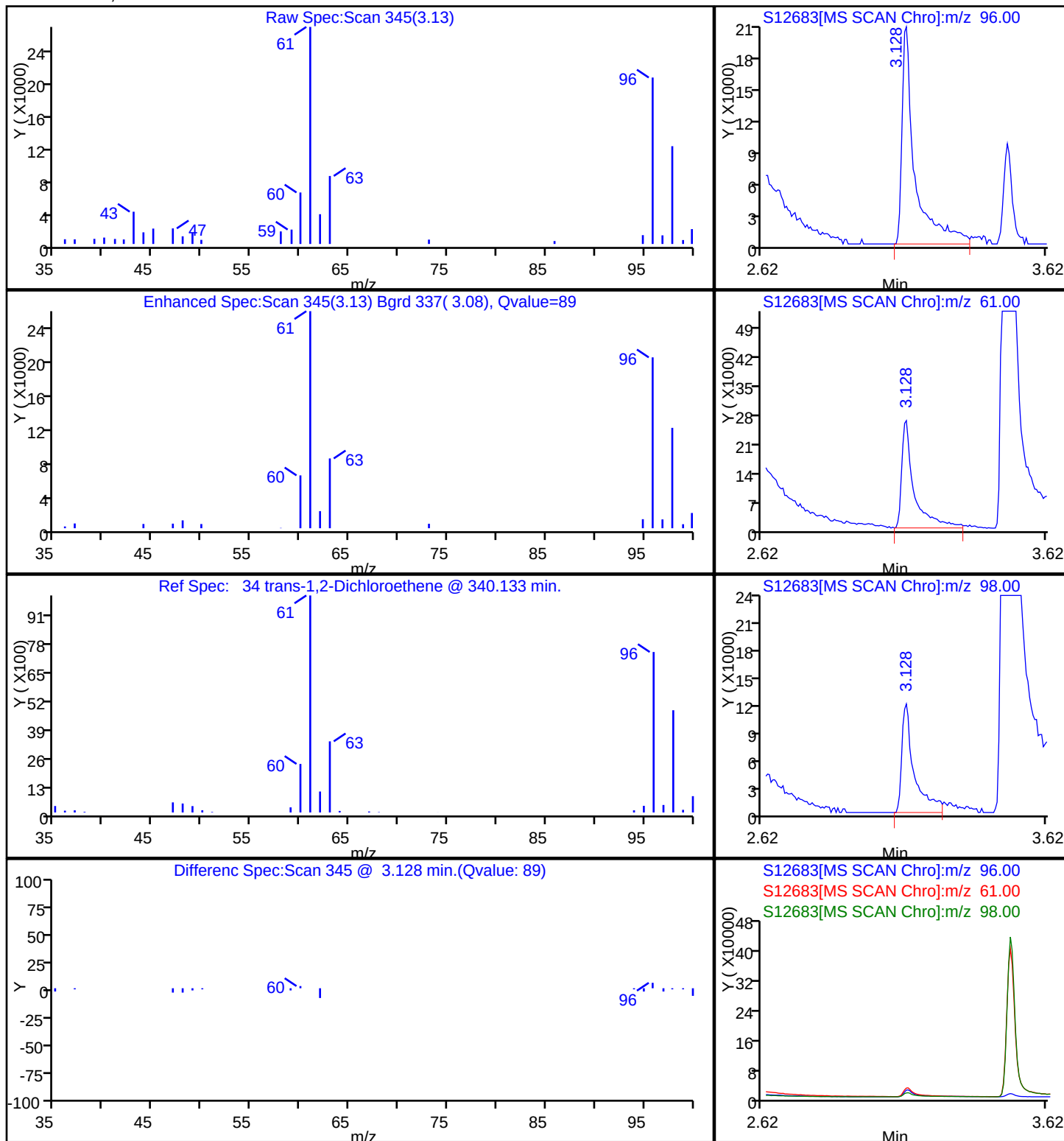
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Operator ID: DHC

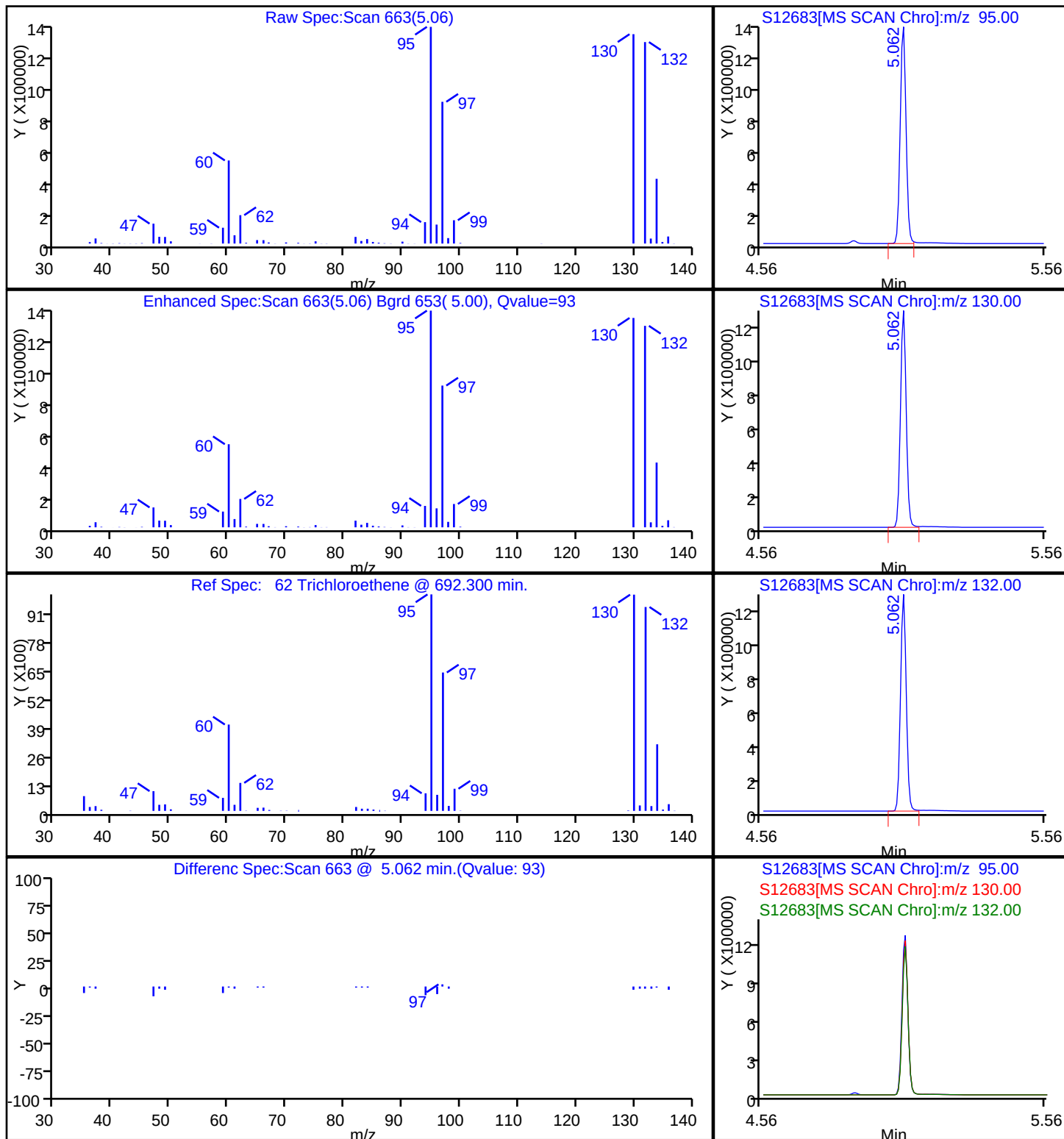
Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



62 Trichloroethene



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

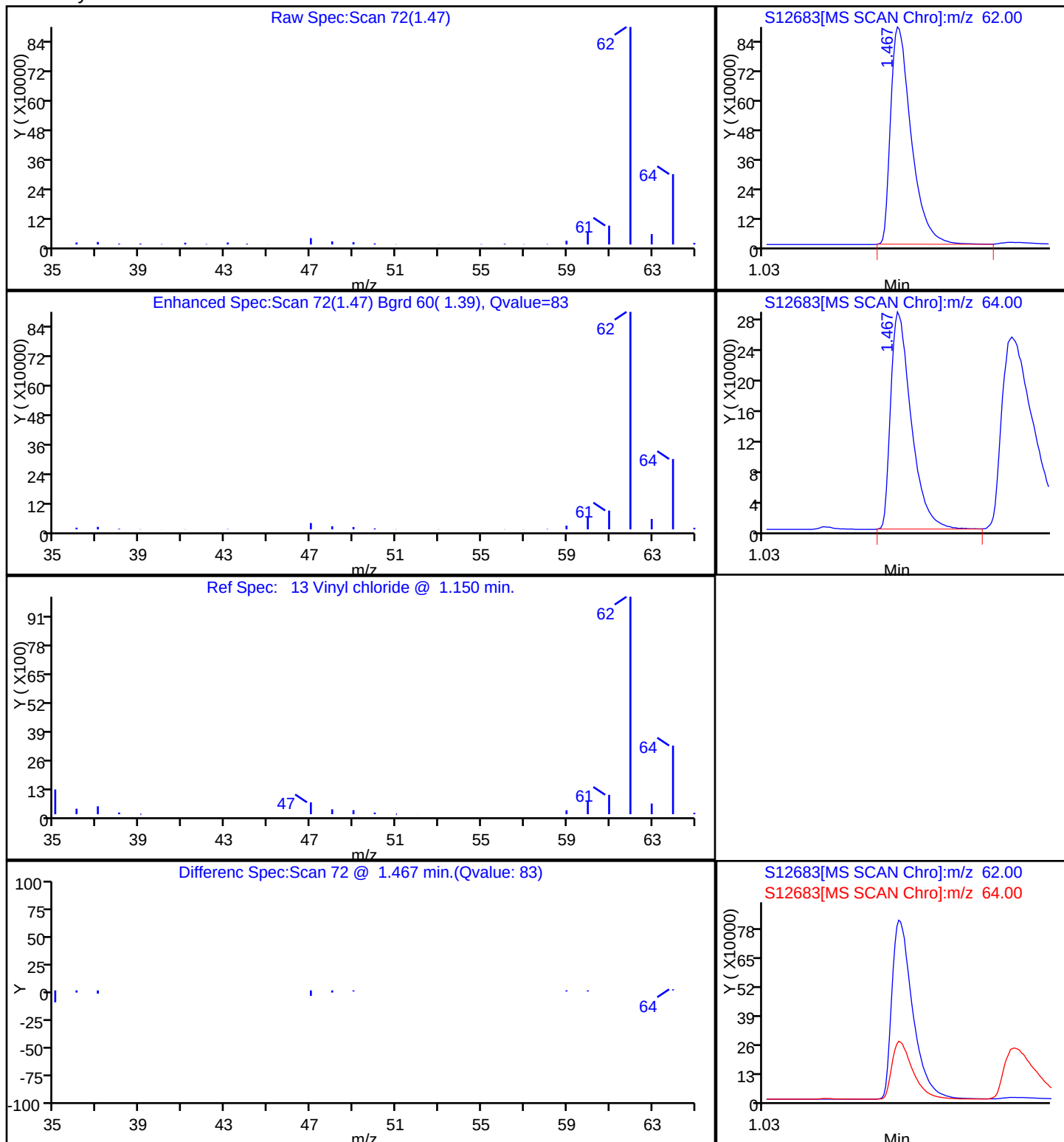
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

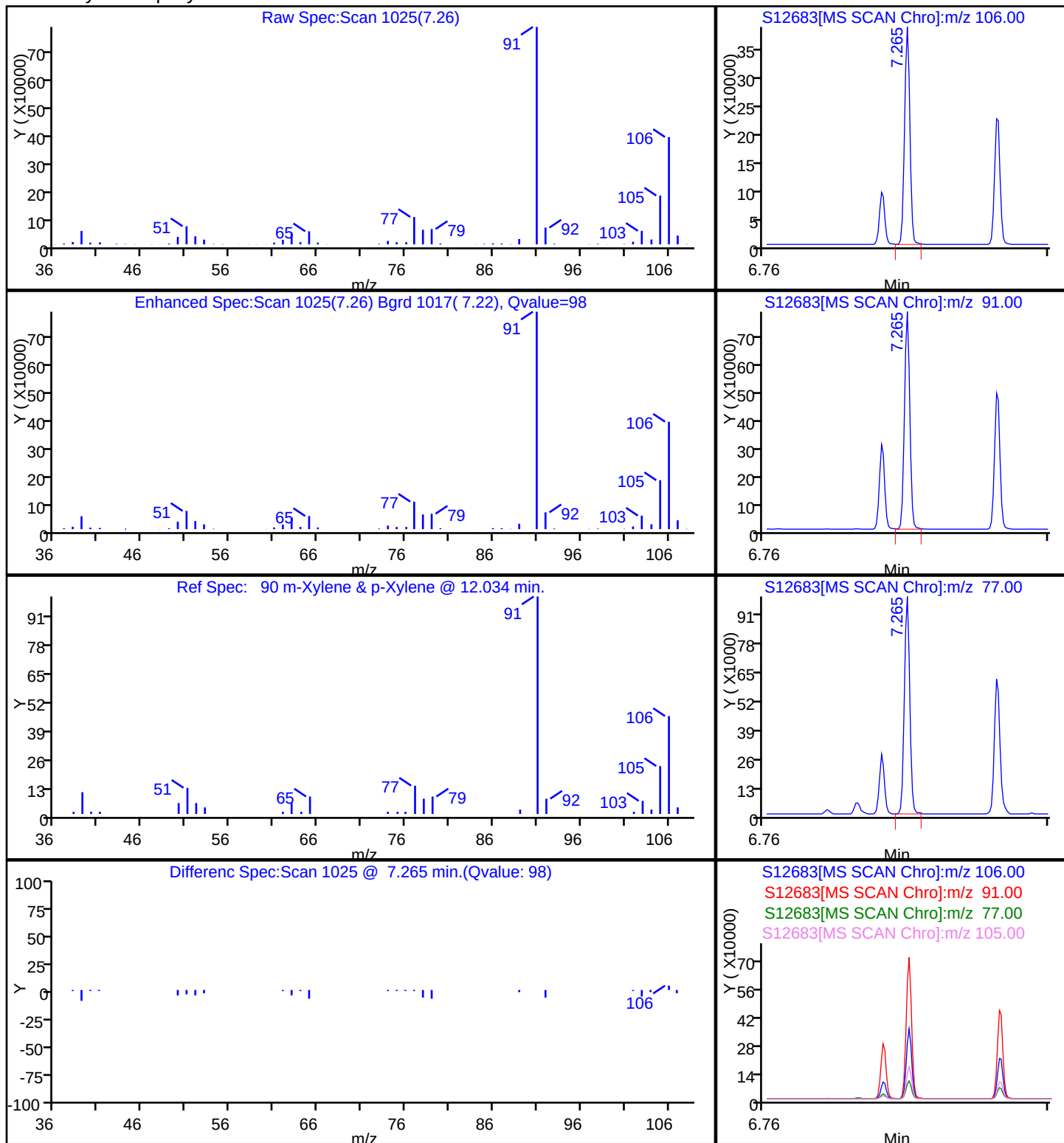
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 06-Apr-2012 08:49:51

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12683.D

Injection Date: 05-Apr-2012 17:14:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58271

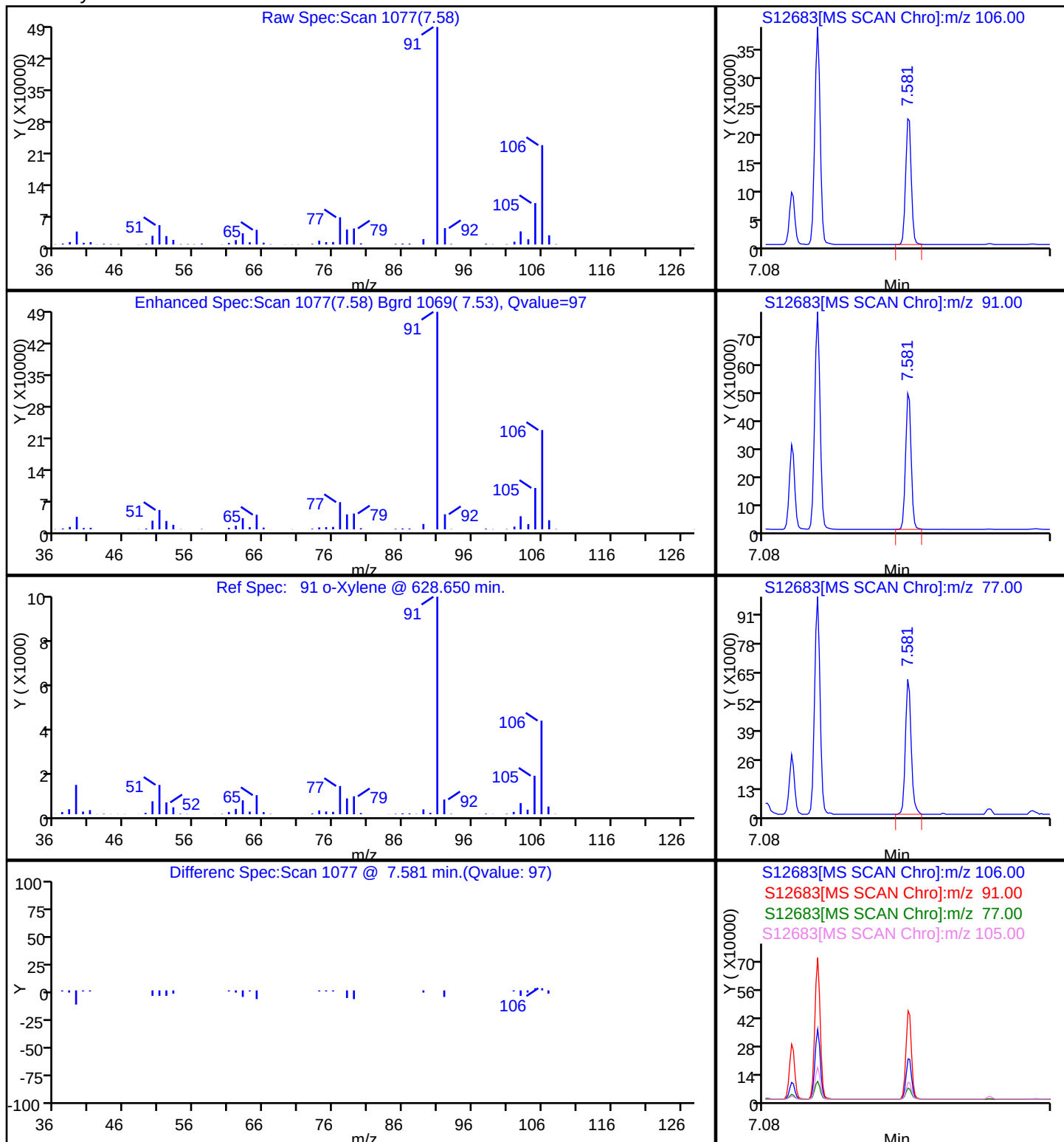
Lims Sample ID: 18

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-15S DL Lab Sample ID: 480-18001-16 DL

Matrix: Ground Water Lab File ID: S12718.D

Analysis Method: 8260B Date Collected: 04/03/2012 09:05

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 14:31

Soil Aliquot Vol: _____ Dilution Factor: 20

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
75-34-3	1,1-Dichloroethane	1100		20	7.6
75-35-4	1,1-Dichloroethene	23		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	ND		20	16
107-06-2	1,2-Dichloroethane	ND		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	590		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	2600		200	60
71-43-2	Benzene	ND		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	ND		20	15
75-00-3	Chloroethane	360		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	1400		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
124-48-1	Dibromochloromethane	ND		20	6.4
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	ND		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-15S DL Lab Sample ID: 480-18001-16 DL
 Matrix: Ground Water Lab File ID: S12718.D
 Analysis Method: 8260B Date Collected: 04/03/2012 09:05
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 14:31
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	ND		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	ND		20	7.2
108-88-3	Toluene	200		20	10
156-60-5	trans-1,2-Dichloroethene	ND		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	240		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	540		20	18
1330-20-7	Xylenes, Total	47		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
2037-26-5	Toluene-d8 (Surr)	124		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D
 Lims ID: 480-18001-B-16 Client ID: MW-15S
 Inject. Date: 06-Apr-2012 14:31:30 Dil. Factor: 20.0000
 Sample Type: Client
 Sample ID: 480-18001-B-16
 Misc. Info.: 480-0010775-011 =480-0010775-011
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 58433 Lims Sample ID: 11
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 17:15:05 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 17:29:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	809171	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	418723	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	371014	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	147472	29.9	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	82	968021	30.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	260672	28.0	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.461	1.455	0.006	82	231941	27.0	
14 Bromomethane	94		1.735					
15 Chloroethane	64	1.832	1.850	-0.018	89	102299	18.0	
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96	2.501	2.471	0.030	48	9077	1.14	
23 Acetone	43	2.586	2.592	-0.006	99	421280	132.0	
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	803396	57.4	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	636823	69.3	
43 2-Butanone (MEK)	43	3.998	3.992	0.006	98	143077	29.6	
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	91	106096	12.1	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.914	0.006	83	14520	1.52	
74 Toluene	92	6.018	6.017	0.001	79	232213	10.0	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43	6.553	6.547	0.006	47	4969	0.7028	
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91	7.173	7.173	0.0	69	20096	0.4561	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	97	25331	1.51	
91 o-Xylene	106	7.581	7.581	0.0	86	14216	0.8713	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		2.38	

Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

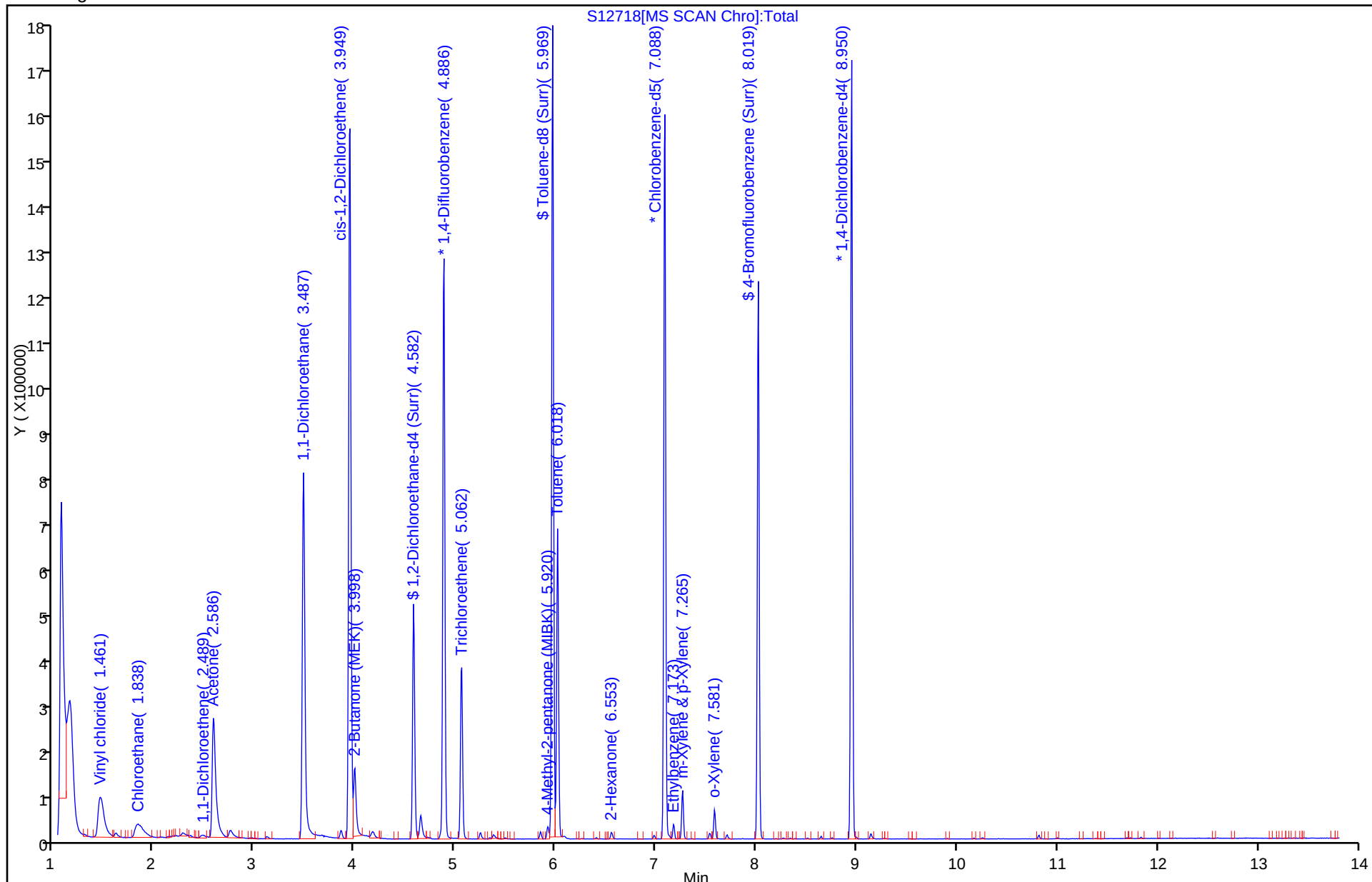
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

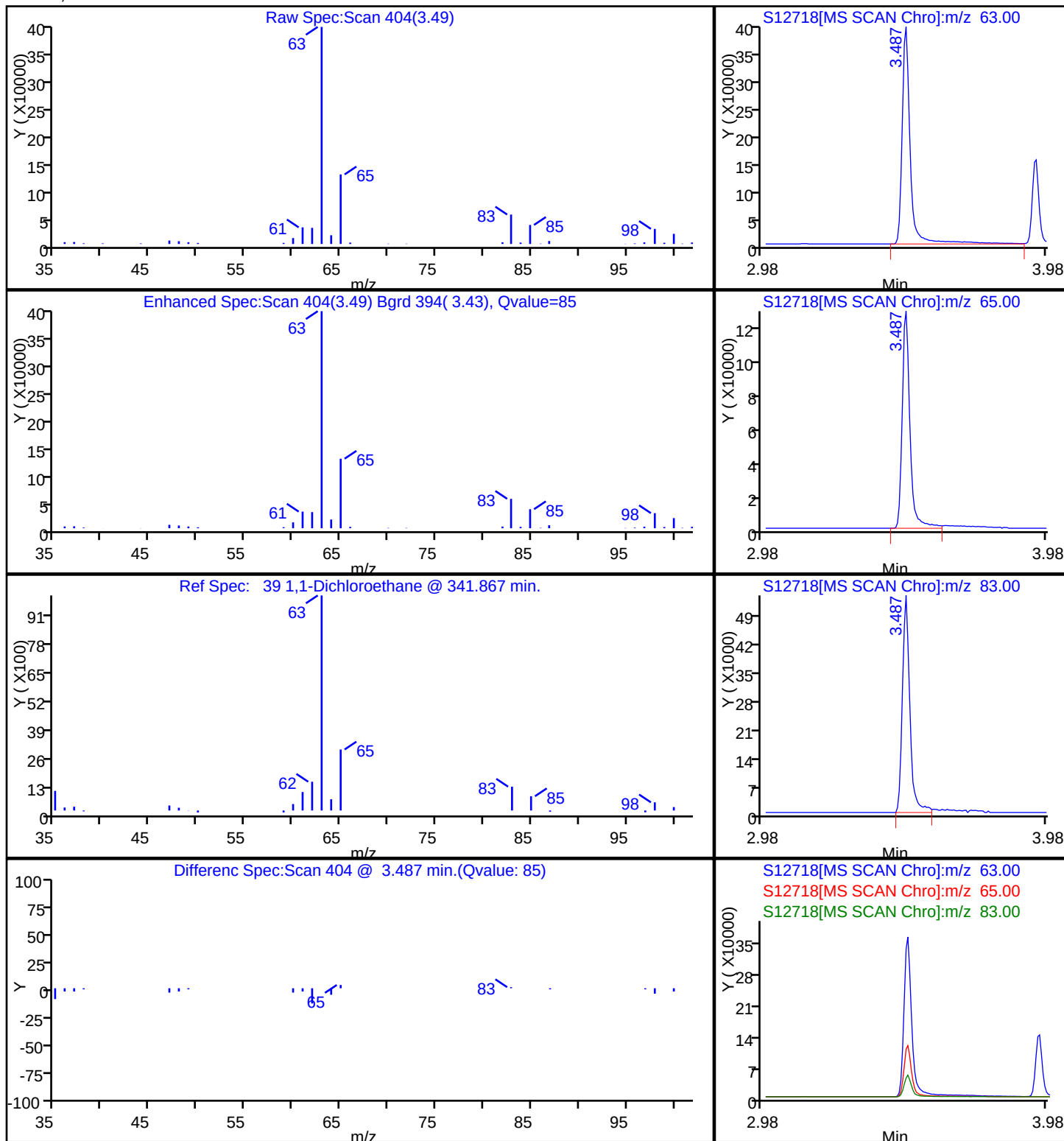
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

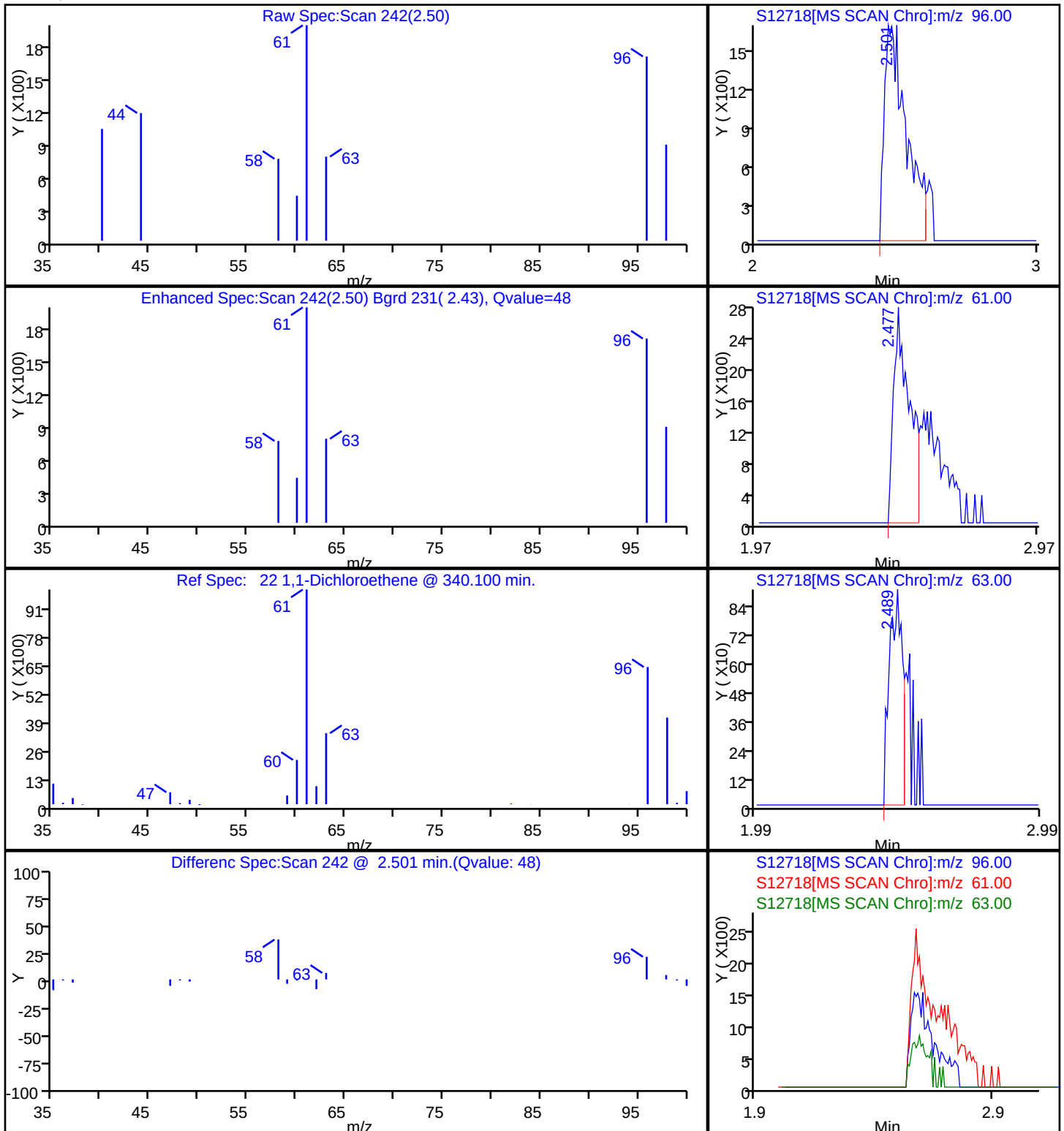
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

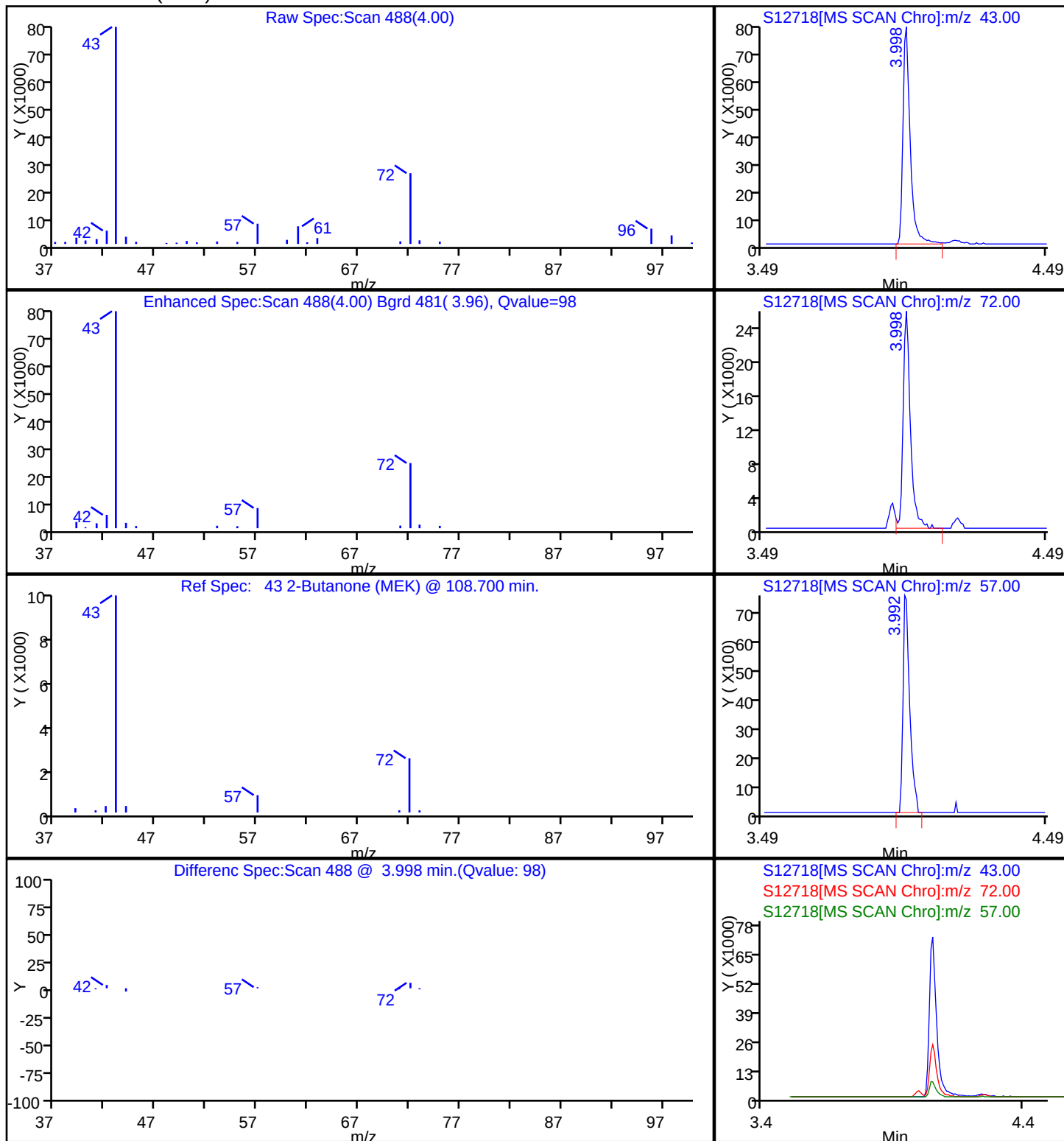
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

43 2-Butanone (MEK)



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

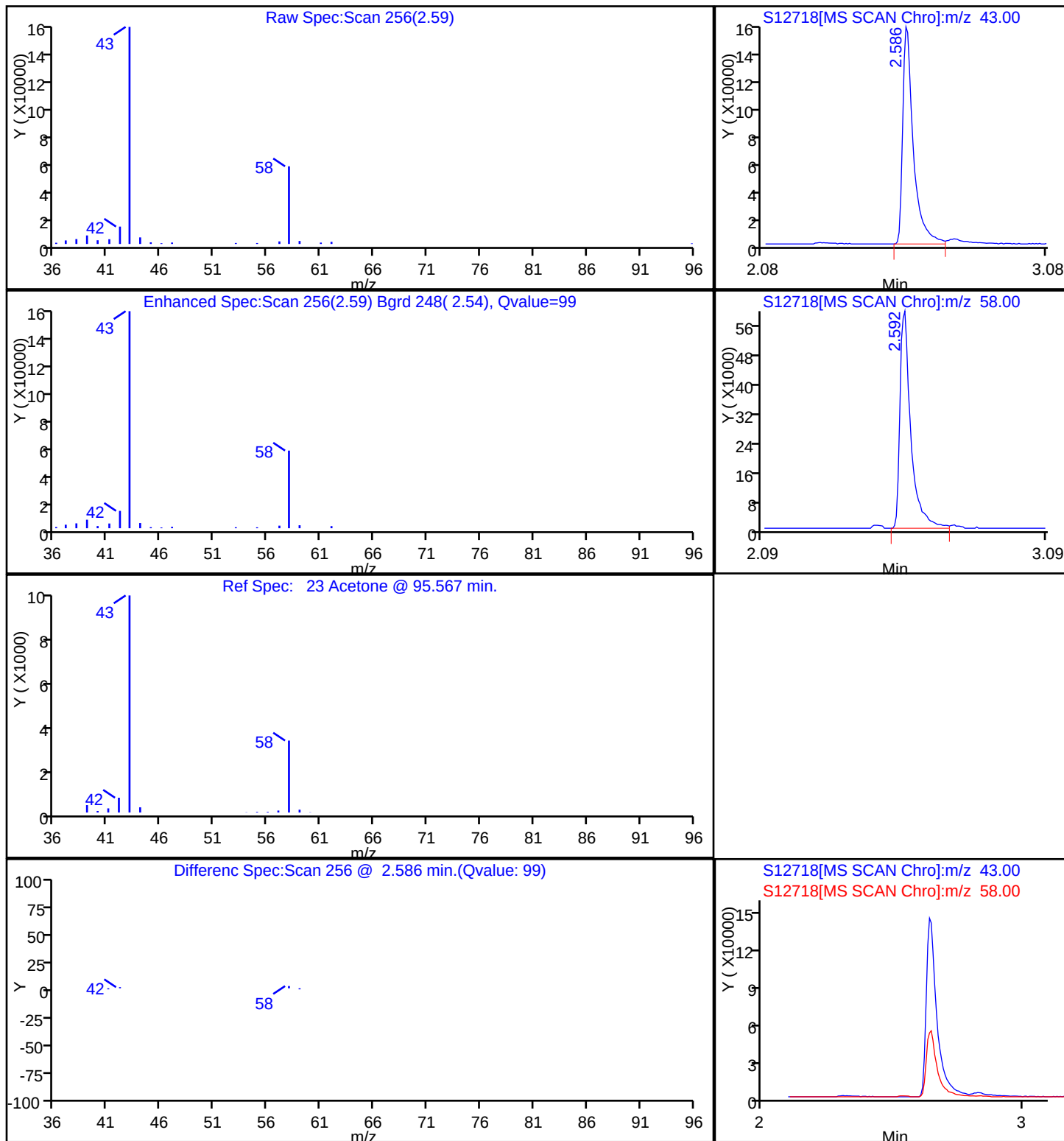
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

23 Acetone



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

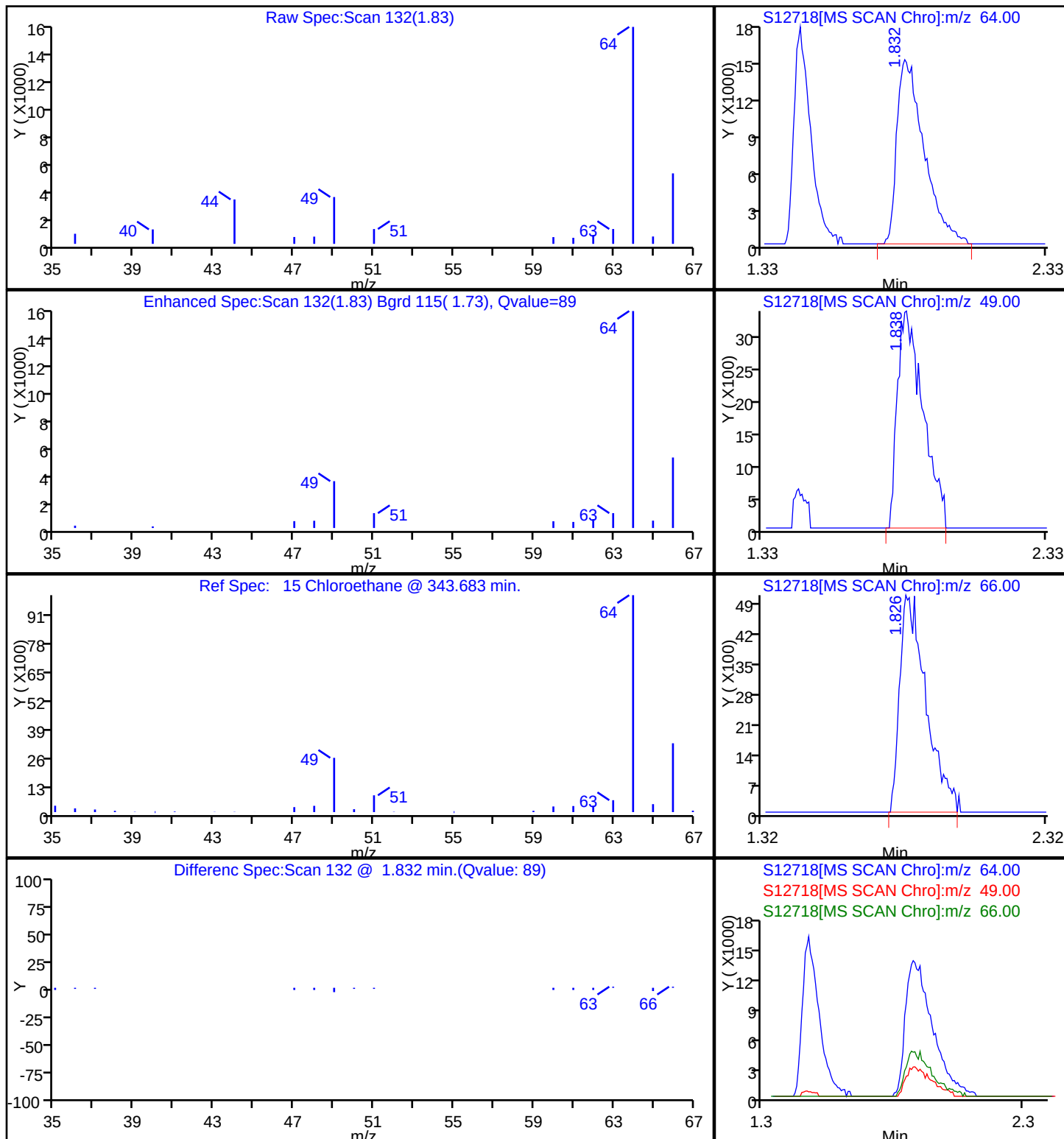
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

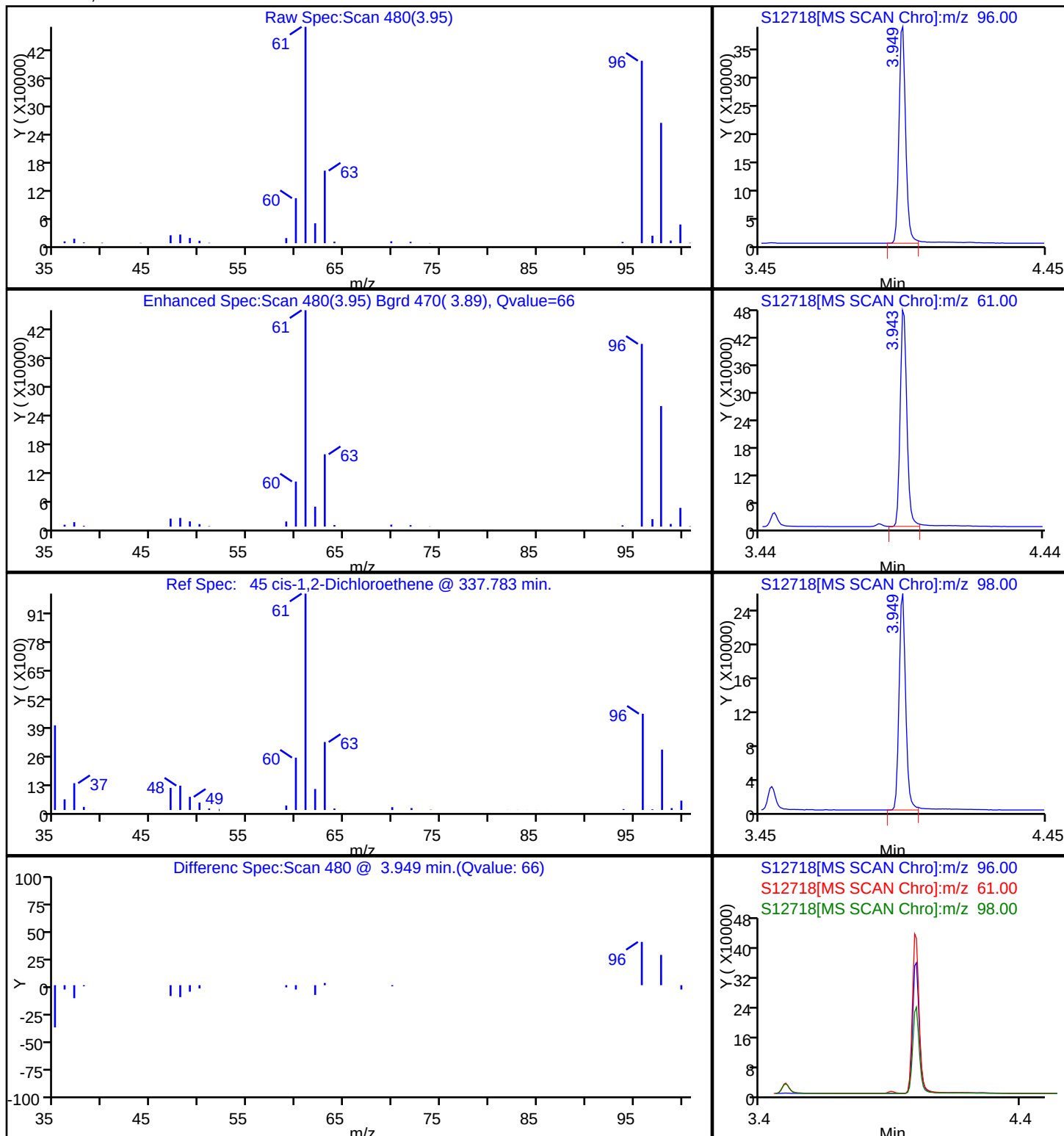
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

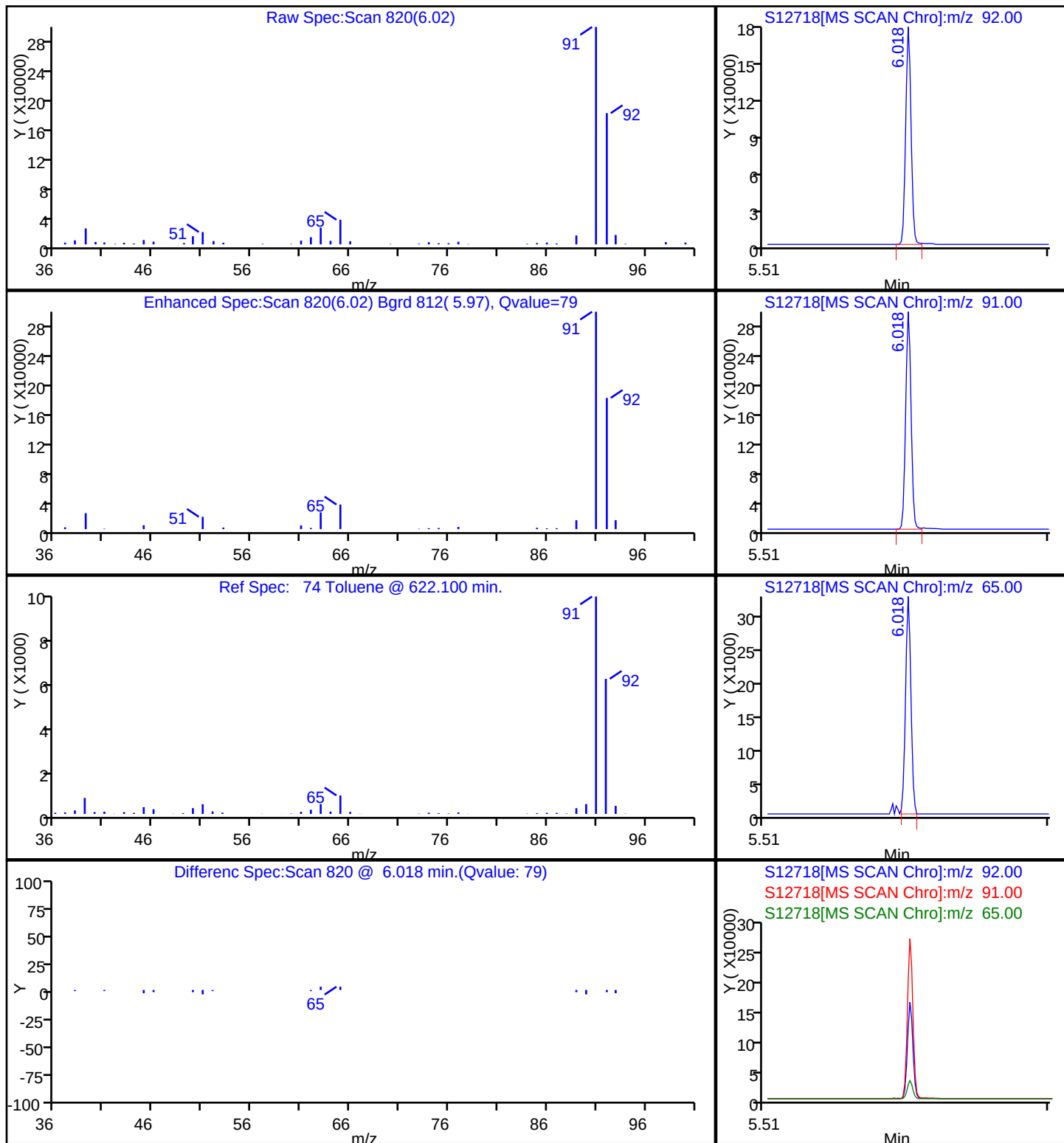
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Data File:

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Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

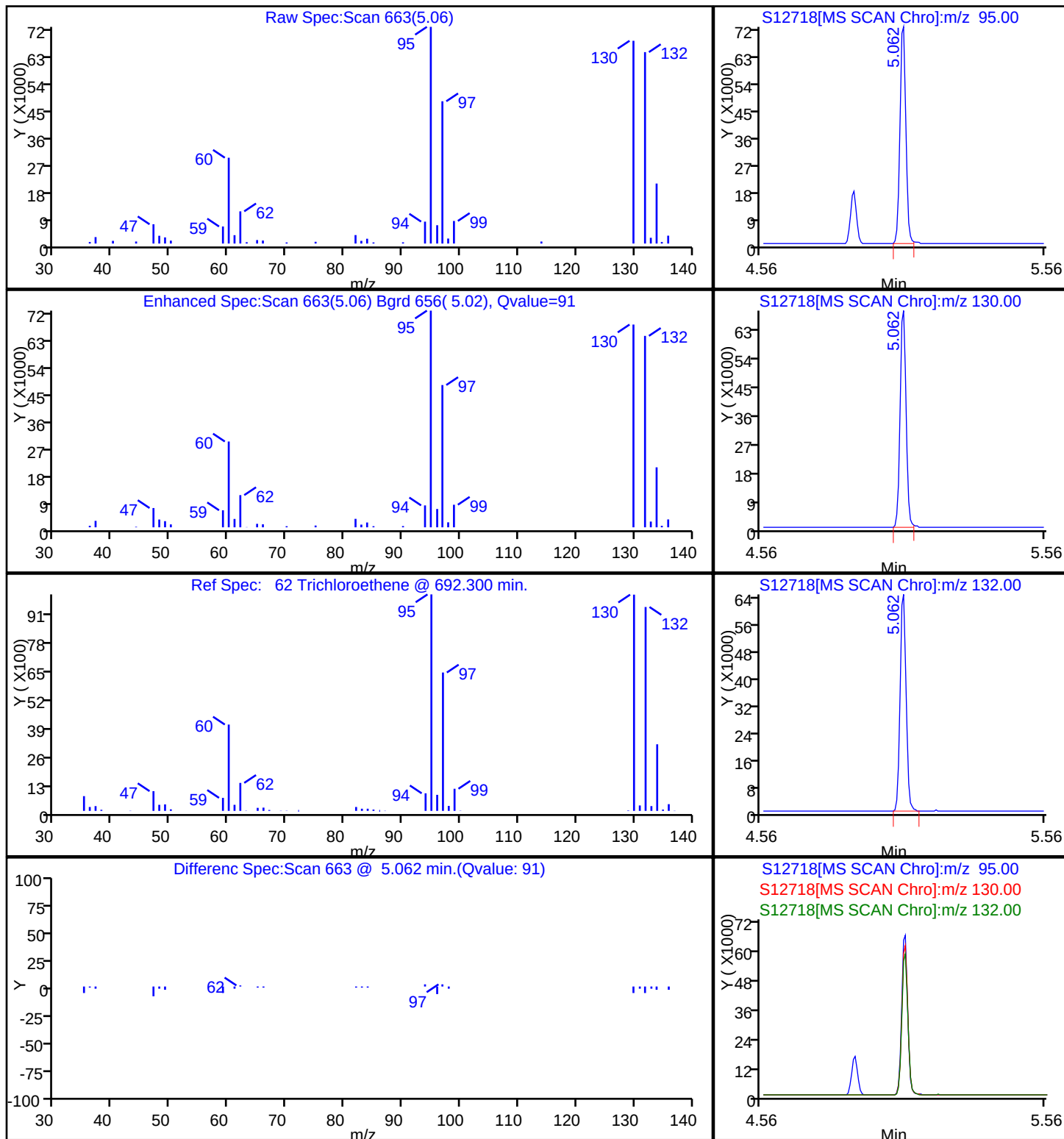
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

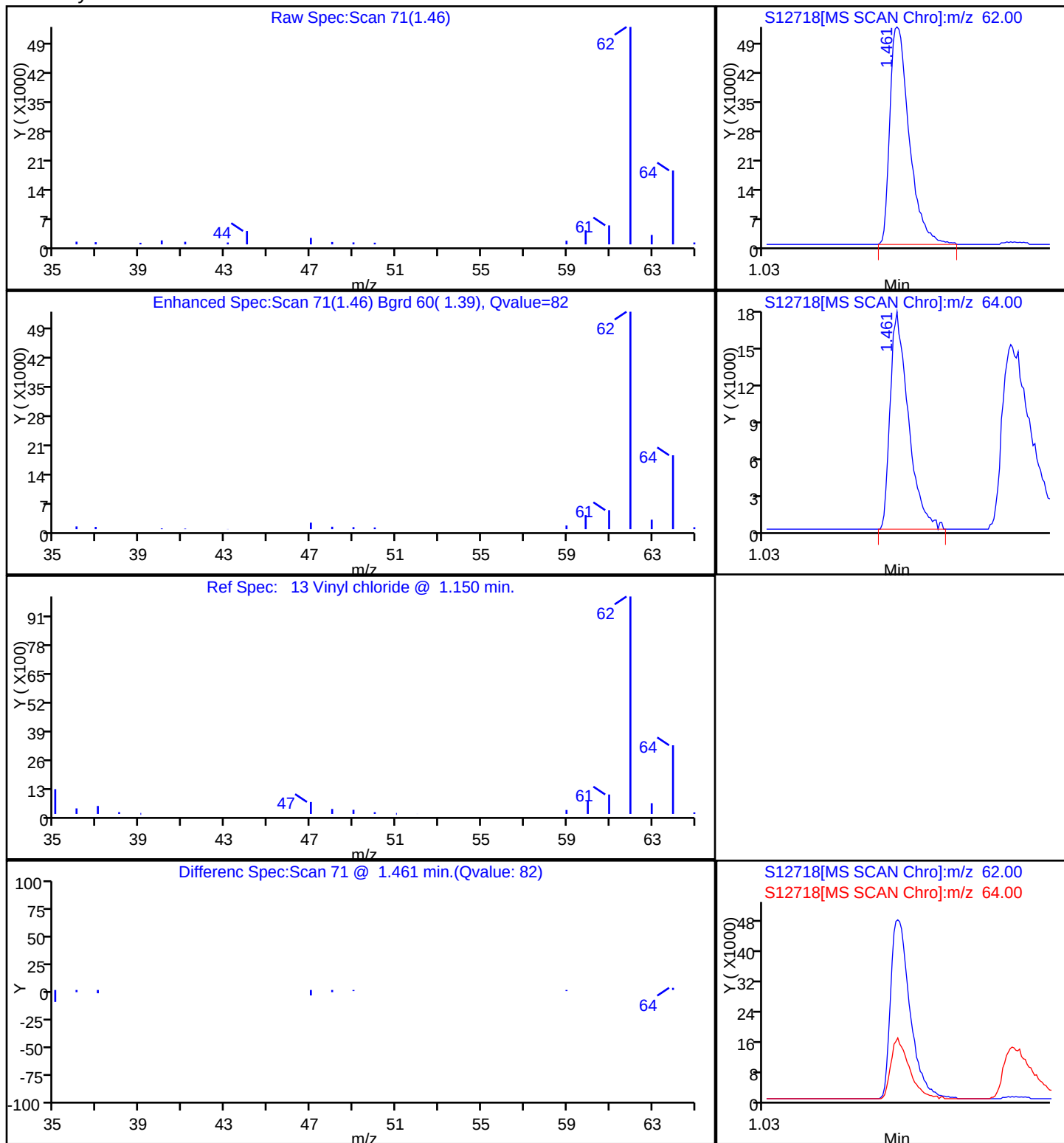
Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 17:29:34
Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D
Injection Date: 06-Apr-2012 14:31:30
Client ID: MW-15S
Lims Batch ID: 58433
Operator ID: DHC
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 11
Column Dia: 0.25 mm



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

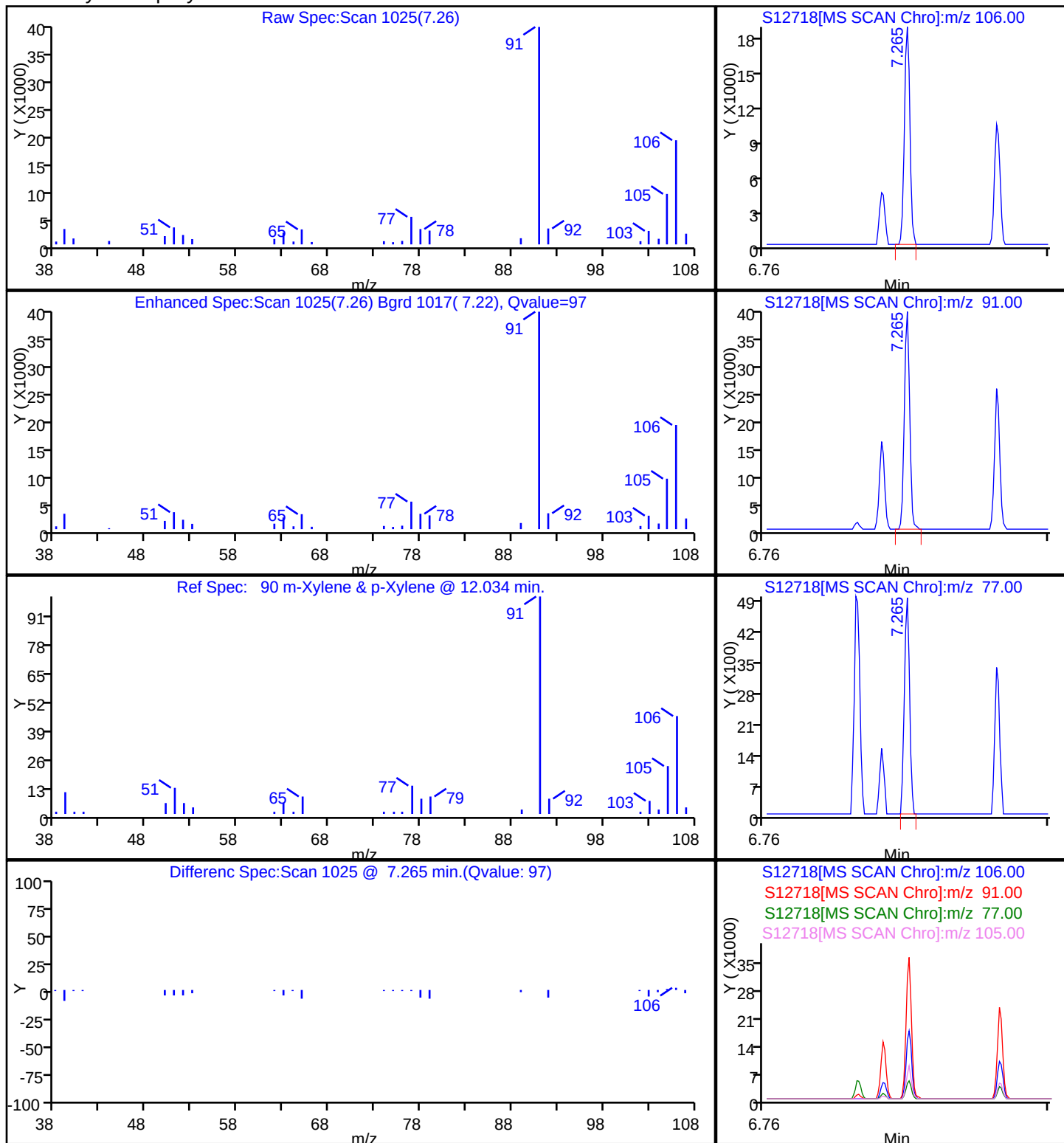
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

90 m-Xylene & p-Xylene



Report Date: 06-Apr-2012 17:29:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12718.D

Injection Date: 06-Apr-2012 14:31:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15S

Instrument ID: HP5973S

Lims Batch ID: 58433

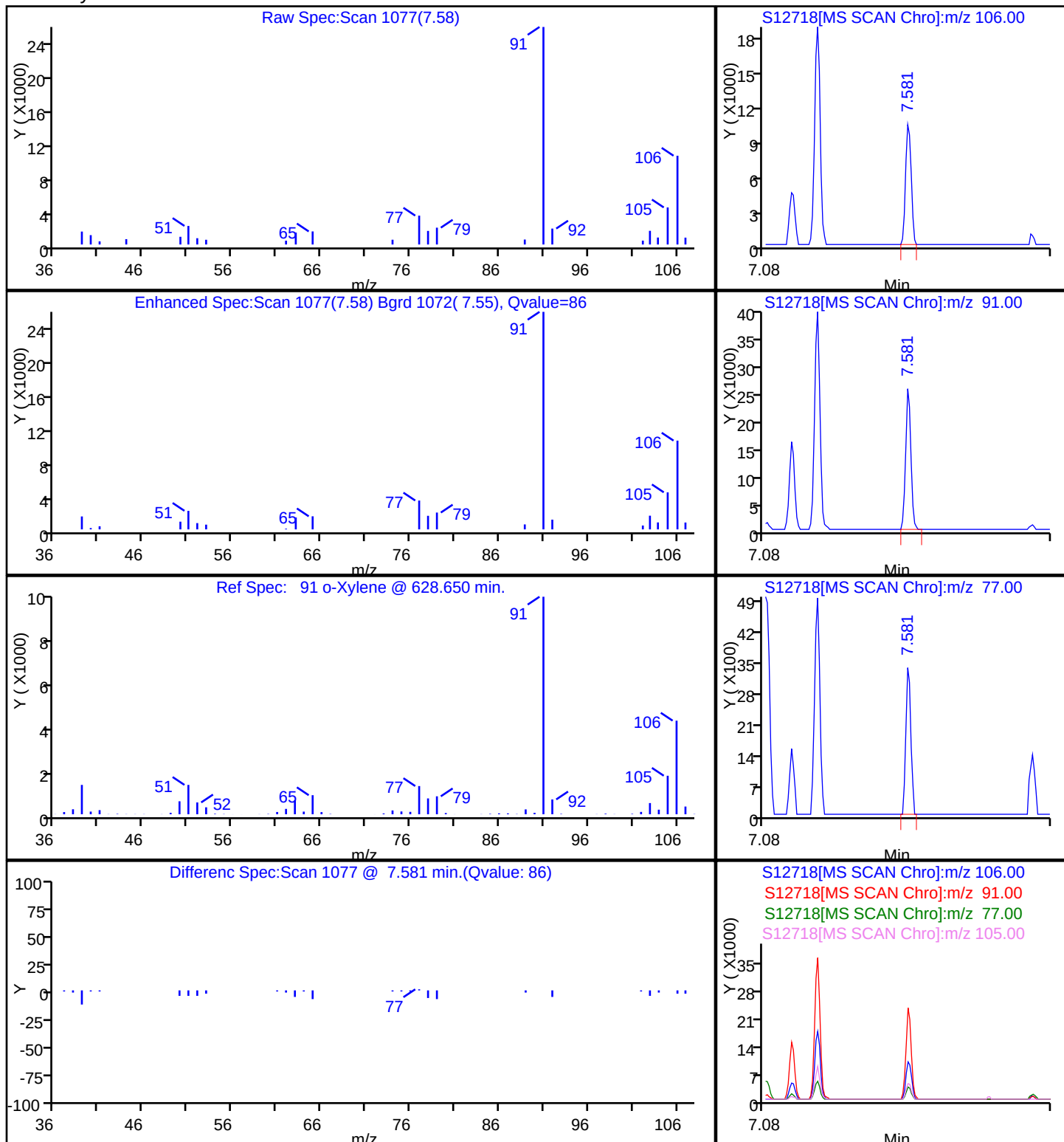
Lims Sample ID: 11

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

91 o-Xylene



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-15D Lab Sample ID: 480-18001-17

Matrix: Ground Water Lab File ID: S12719.D

Analysis Method: 8260B Date Collected: 04/02/2012 16:25

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 14:53

Soil Aliquot Vol: _____ Dilution Factor: 10

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		10	8.2
79-34-5	1,1,2,2-Tetrachloroethane	ND		10	2.1
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1
79-00-5	1,1,2-Trichloroethane	ND		10	2.3
75-34-3	1,1-Dichloroethane	ND		10	3.8
75-35-4	1,1-Dichloroethene	ND		10	2.9
120-82-1	1,2,4-Trichlorobenzene	ND		10	4.1
96-12-8	1,2-Dibromo-3-Chloropropane	ND		10	3.9
106-93-4	1,2-Dibromoethane	ND		10	7.3
95-50-1	1,2-Dichlorobenzene	ND		10	7.9
107-06-2	1,2-Dichloroethane	ND		10	2.1
78-87-5	1,2-Dichloropropane	ND		10	7.2
541-73-1	1,3-Dichlorobenzene	ND		10	7.8
106-46-7	1,4-Dichlorobenzene	ND		10	8.4
78-93-3	2-Butanone (MEK)	ND		100	13
591-78-6	2-Hexanone	ND		50	12
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		50	21
67-64-1	Acetone	ND		100	30
71-43-2	Benzene	ND		10	4.1
75-27-4	Bromodichloromethane	ND		10	3.9
75-25-2	Bromoform	ND		10	2.6
74-83-9	Bromomethane	ND		10	6.9
75-15-0	Carbon disulfide	ND		10	1.9
56-23-5	Carbon tetrachloride	ND		10	2.7
108-90-7	Chlorobenzene	ND		10	7.5
75-00-3	Chloroethane	900		10	3.2
67-66-3	Chloroform	ND		10	3.4
74-87-3	Chloromethane	ND		10	3.5
156-59-2	cis-1,2-Dichloroethene	ND		10	8.1
10061-01-5	cis-1,3-Dichloropropene	ND		10	3.6
110-82-7	Cyclohexane	ND		10	1.8
124-48-1	Dibromochloromethane	ND		10	3.2
75-71-8	Dichlorodifluoromethane	ND		10	6.8
100-41-4	Ethylbenzene	ND		10	7.4
98-82-8	Isopropylbenzene	ND		10	7.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-15D Lab Sample ID: 480-18001-17
 Matrix: Ground Water Lab File ID: S12719.D
 Analysis Method: 8260B Date Collected: 04/02/2012 16:25
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 14:53
 Soil Aliquot Vol: _____ Dilution Factor: 10
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		10	5.0
1634-04-4	Methyl tert-butyl ether	ND		10	1.6
108-87-2	Methylcyclohexane	ND		10	1.6
75-09-2	Methylene Chloride	ND		10	4.4
100-42-5	Styrene	ND		10	7.3
127-18-4	Tetrachloroethene	ND		10	3.6
108-88-3	Toluene	ND		10	5.1
156-60-5	trans-1,2-Dichloroethene	ND		10	9.0
10061-02-6	trans-1,3-Dichloropropene	ND		10	3.7
79-01-6	Trichloroethene	ND		10	4.6
75-69-4	Trichlorofluoromethane	ND		10	8.8
75-01-4	Vinyl chloride	ND		10	9.0
1330-20-7	Xylenes, Total	ND		20	6.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12719.D
 Lims ID: 480-18001-B-17 Client ID: MW-15D
 Inject. Date: 06-Apr-2012 14:53:30 Dil. Factor: 10.0000
 Sample Type: Client
 Sample ID: 480-18001-B-17
 Misc. Info.: 480-0010775-012 =480-0010775-012
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 58433 Lims Sample ID: 12
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 17:30:16 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 17:30:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	806179	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	421493	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	367334	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	147846	30.1	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	956903	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	257329	27.5	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.735					
15 Chloroethane	64	1.832	1.850	-0.018	94	505487	89.5	
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101		2.440					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 17:30:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12719.D

Injection Date: 06-Apr-2012 14:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973S

Lims Batch ID: 58433

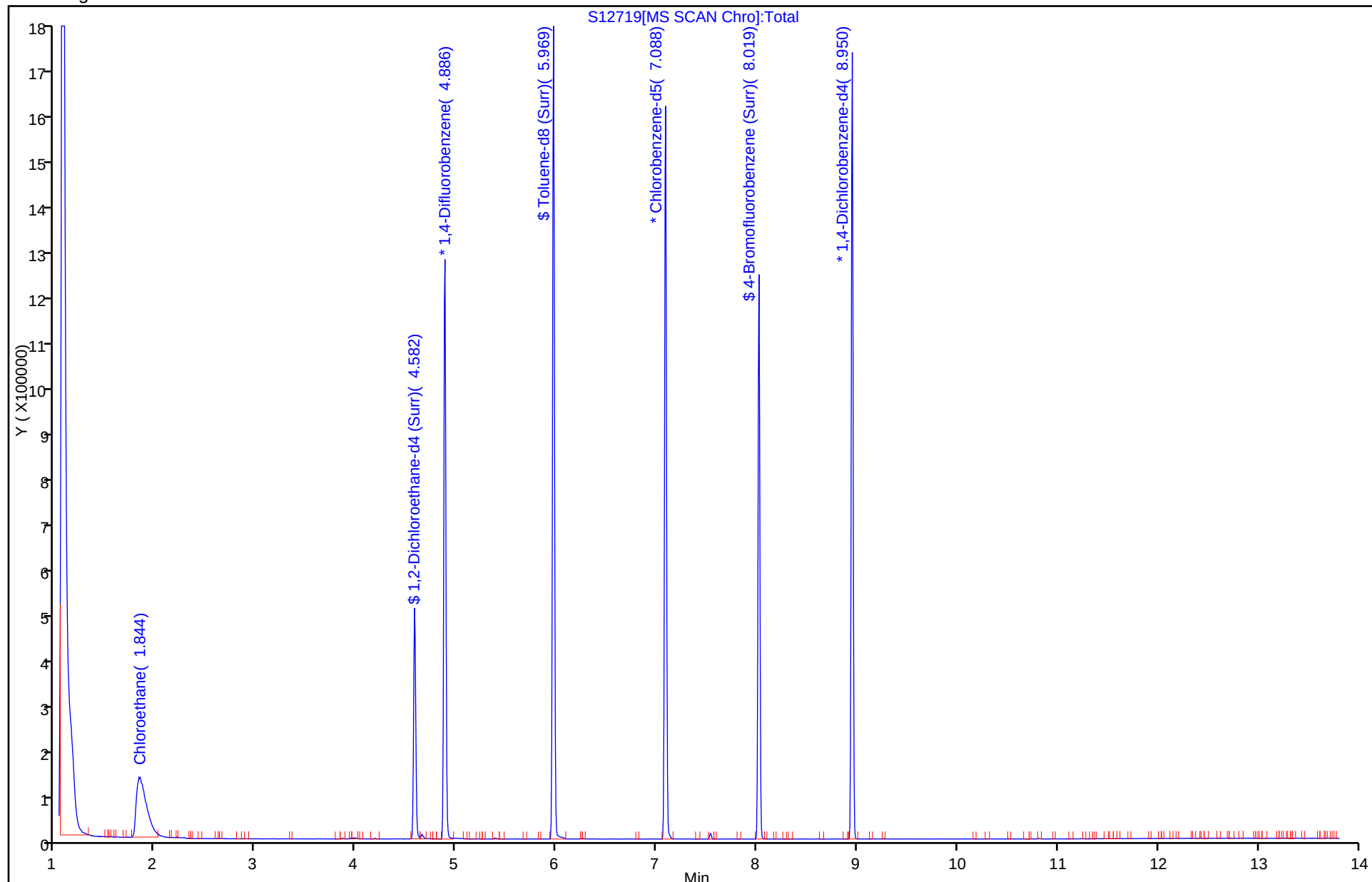
Lims Sample ID: 12

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 17:30:34

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 06-Apr-2012 14:53:30

Limit Group: MV - 8260B ICAL

Client ID: MW-15D

Instrument ID: HP5973S

Lims Batch ID: 58433

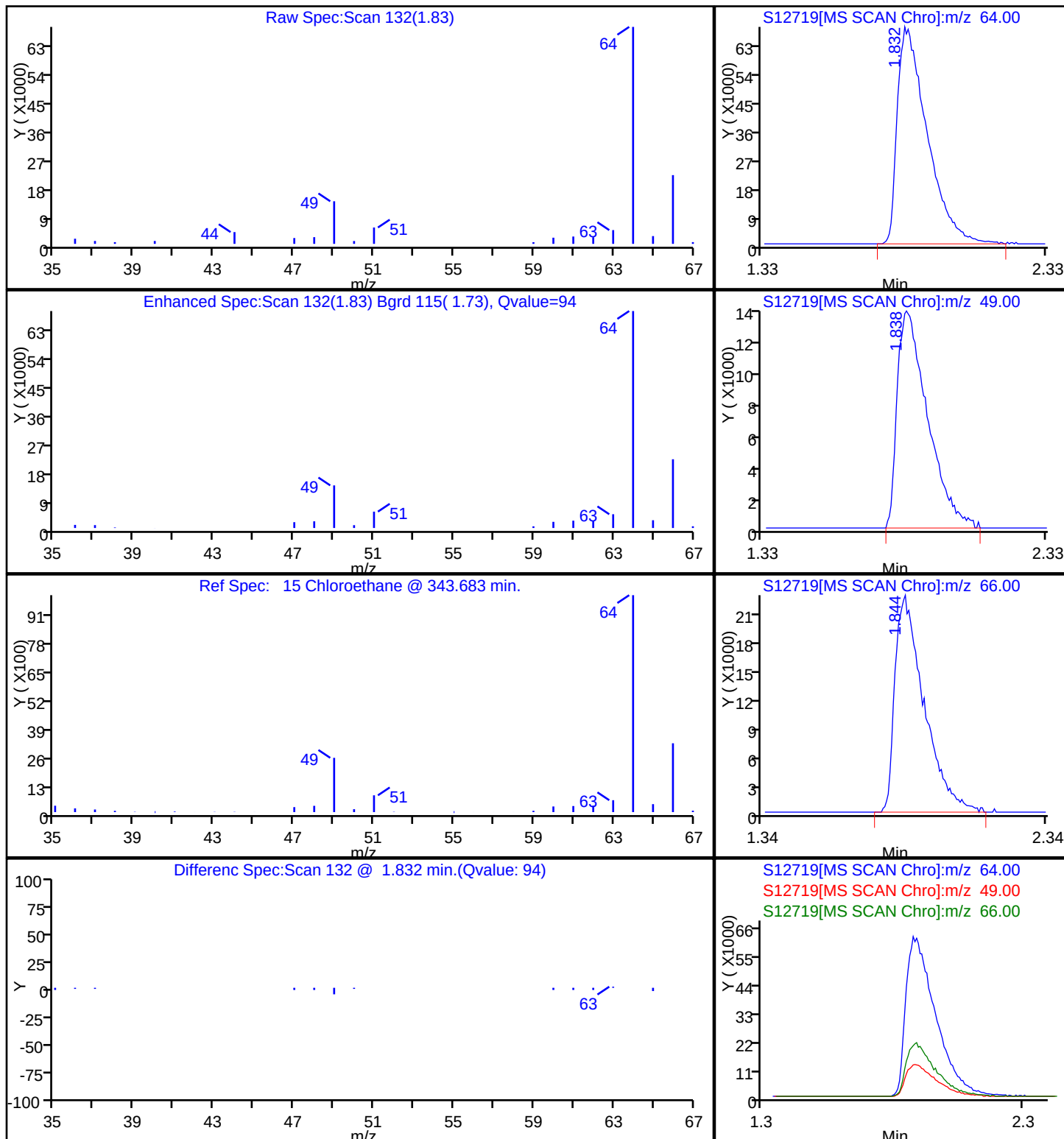
Lims Sample ID: 12

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-16S Lab Sample ID: 480-18001-18

Matrix: Ground Water Lab File ID: S12685.D

Analysis Method: 8260B Date Collected: 04/03/2012 13:10

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 17:57

Soil Aliquot Vol: _____ Dilution Factor: 400

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	4900		400	330
79-34-5	1,1,2,2-Tetrachloroethane	ND		400	84
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		400	120
79-00-5	1,1,2-Trichloroethane	ND		400	92
75-34-3	1,1-Dichloroethane	1700		400	150
75-35-4	1,1-Dichloroethene	840		400	120
120-82-1	1,2,4-Trichlorobenzene	ND		400	160
96-12-8	1,2-Dibromo-3-Chloropropane	ND		400	160
106-93-4	1,2-Dibromoethane	ND		400	290
95-50-1	1,2-Dichlorobenzene	ND		400	320
107-06-2	1,2-Dichloroethane	ND		400	84
78-87-5	1,2-Dichloropropane	ND		400	290
541-73-1	1,3-Dichlorobenzene	ND		400	310
106-46-7	1,4-Dichlorobenzene	ND		400	340
78-93-3	2-Butanone (MEK)	ND		4000	530
591-78-6	2-Hexanone	ND		2000	500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		2000	840
67-64-1	Acetone	ND		4000	1200
71-43-2	Benzene	ND		400	160
75-27-4	Bromodichloromethane	ND		400	160
75-25-2	Bromoform	ND		400	100
74-83-9	Bromomethane	ND		400	280
75-15-0	Carbon disulfide	ND		400	76
56-23-5	Carbon tetrachloride	ND		400	110
108-90-7	Chlorobenzene	ND		400	300
75-00-3	Chloroethane	960		400	130
67-66-3	Chloroform	ND		400	140
74-87-3	Chloromethane	ND		400	140
156-59-2	cis-1,2-Dichloroethene	94000	E	400	320
10061-01-5	cis-1,3-Dichloropropene	ND		400	140
110-82-7	Cyclohexane	ND		400	72
124-48-1	Dibromochloromethane	ND		400	130
75-71-8	Dichlorodifluoromethane	ND		400	270
100-41-4	Ethylbenzene	ND		400	300
98-82-8	Isopropylbenzene	ND		400	320

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-16S Lab Sample ID: 480-18001-18
 Matrix: Ground Water Lab File ID: S12685.D
 Analysis Method: 8260B Date Collected: 04/03/2012 13:10
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 17:57
 Soil Aliquot Vol: _____ Dilution Factor: 400
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		400	200
1634-04-4	Methyl tert-butyl ether	ND		400	64
108-87-2	Methylcyclohexane	ND		400	64
75-09-2	Methylene Chloride	ND		400	180
100-42-5	Styrene	ND		400	290
127-18-4	Tetrachloroethene	ND		400	140
108-88-3	Toluene	460		400	200
156-60-5	trans-1,2-Dichloroethene	ND		400	360
10061-02-6	trans-1,3-Dichloropropene	ND		400	150
79-01-6	Trichloroethene	250000	E	400	180
75-69-4	Trichlorofluoromethane	ND		400	350
75-01-4	Vinyl chloride	8400		400	360
1330-20-7	Xylenes, Total	ND		800	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12685.D
 Lims ID: 480-18001-A-18 Client ID: MW-16S
 Inject. Date: 05-Apr-2012 17:57:30 Dil. Factor: 4000.0000
 Sample Type: Client
 Sample ID: 480-18001-A-18
 Misc. Info.: 480-0010748-020 =480-0010748-020
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 20
 Lims Batch ID: 58271 Lims Sample ID: 20
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:51:38

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	842949	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	439658	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	379550	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	152165	29.6	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1004530	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	267739	27.4	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.461	1.467	-0.006	81	186788	20.9	
14 Bromomethane	94		1.728					
15 Chloroethane	64	1.832	1.868	-0.036	40	14132	2.39	
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96	2.477	2.477	0.0	67	17309	2.09	
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.128	3.116	0.012	61	6480	0.7671	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	80	60240	4.13	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	2247685	234.7	E
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97	4.296	4.290	0.006	90	151217	12.2	
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	93	5737697	626.3	E
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92	6.017	6.017	0.0	67	28354	1.16	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:51:38

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12685.D

Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

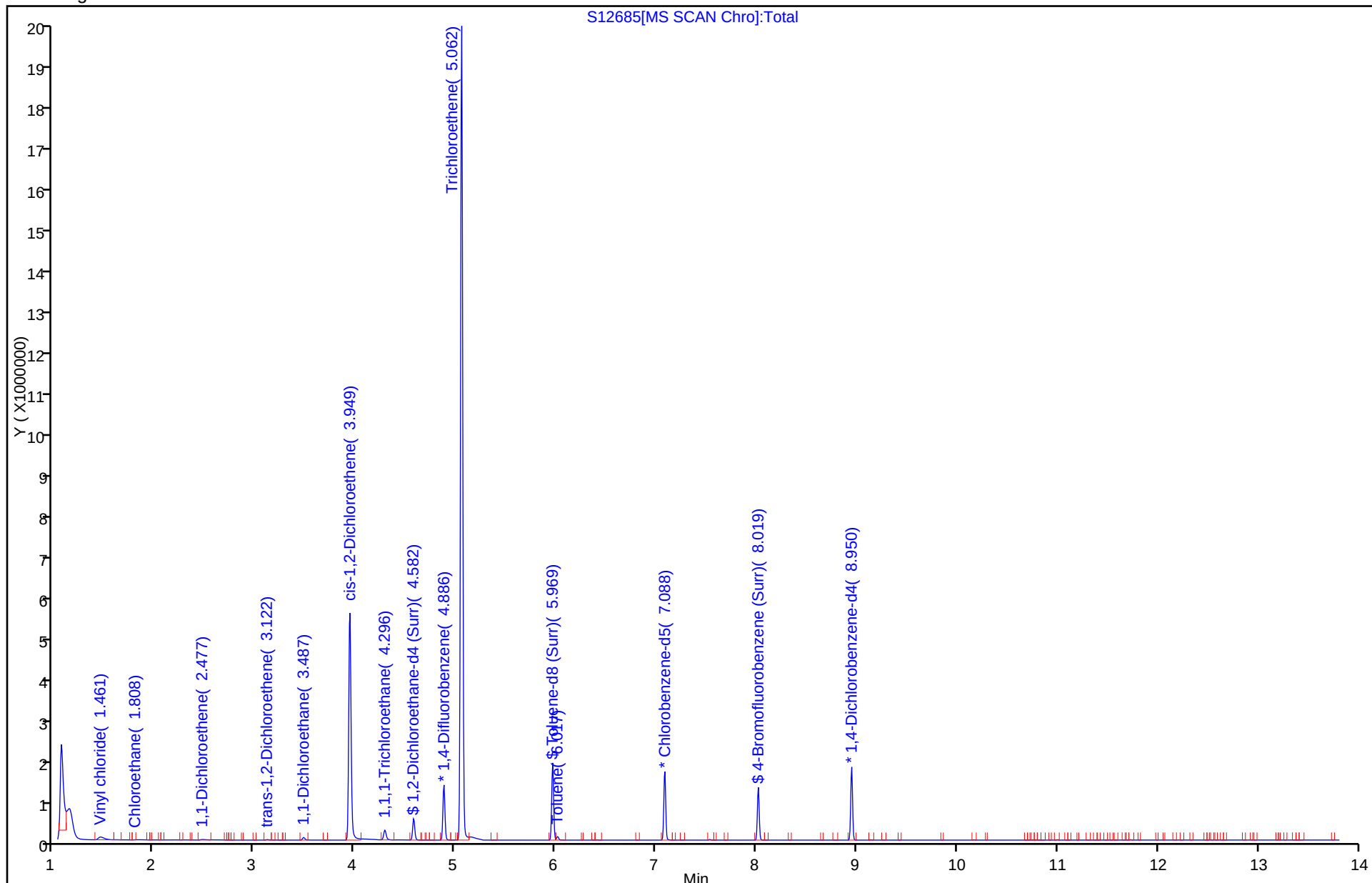
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Data File:

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Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

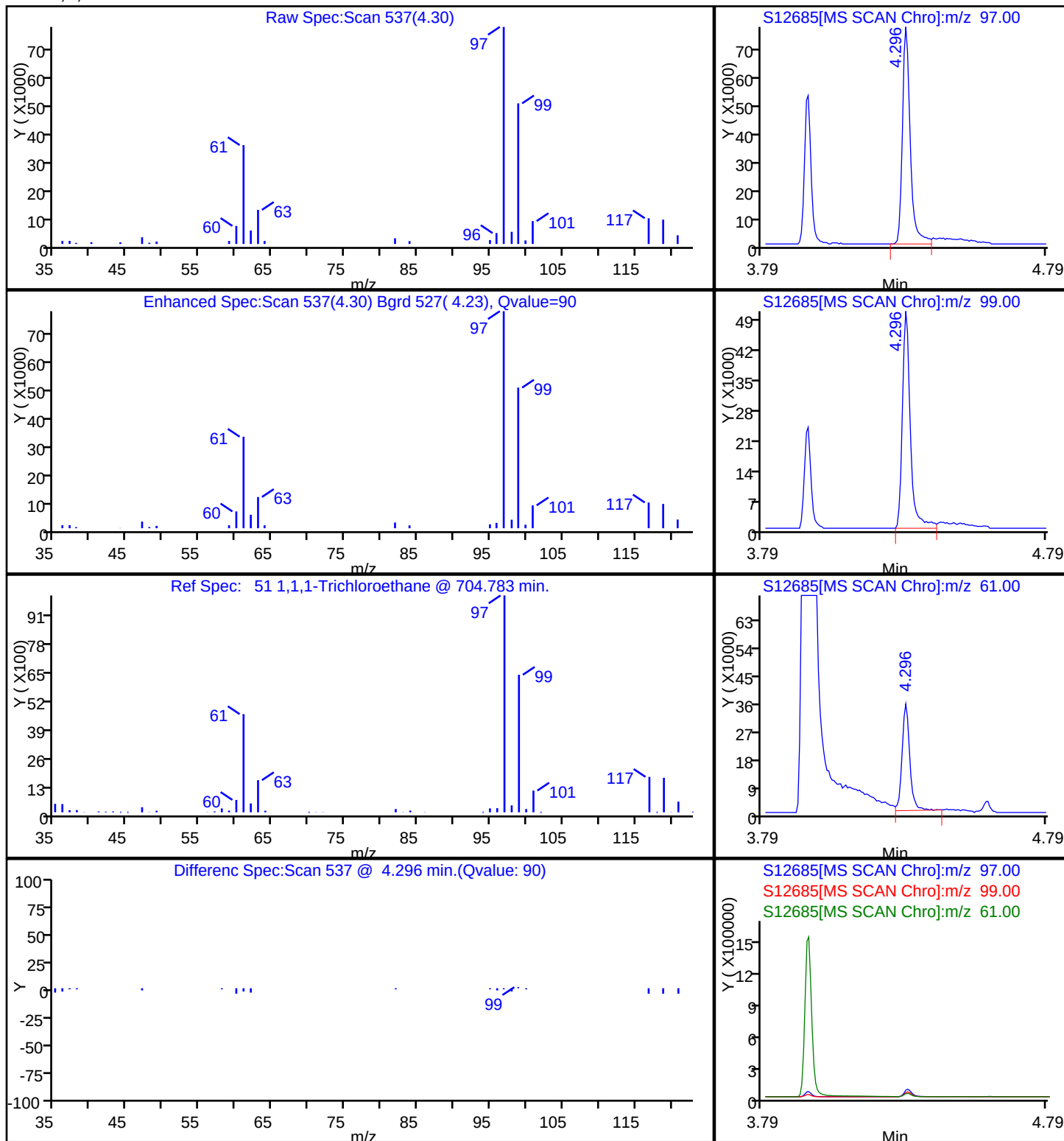
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



Report Date: 06-Apr-2012 08:51:38

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

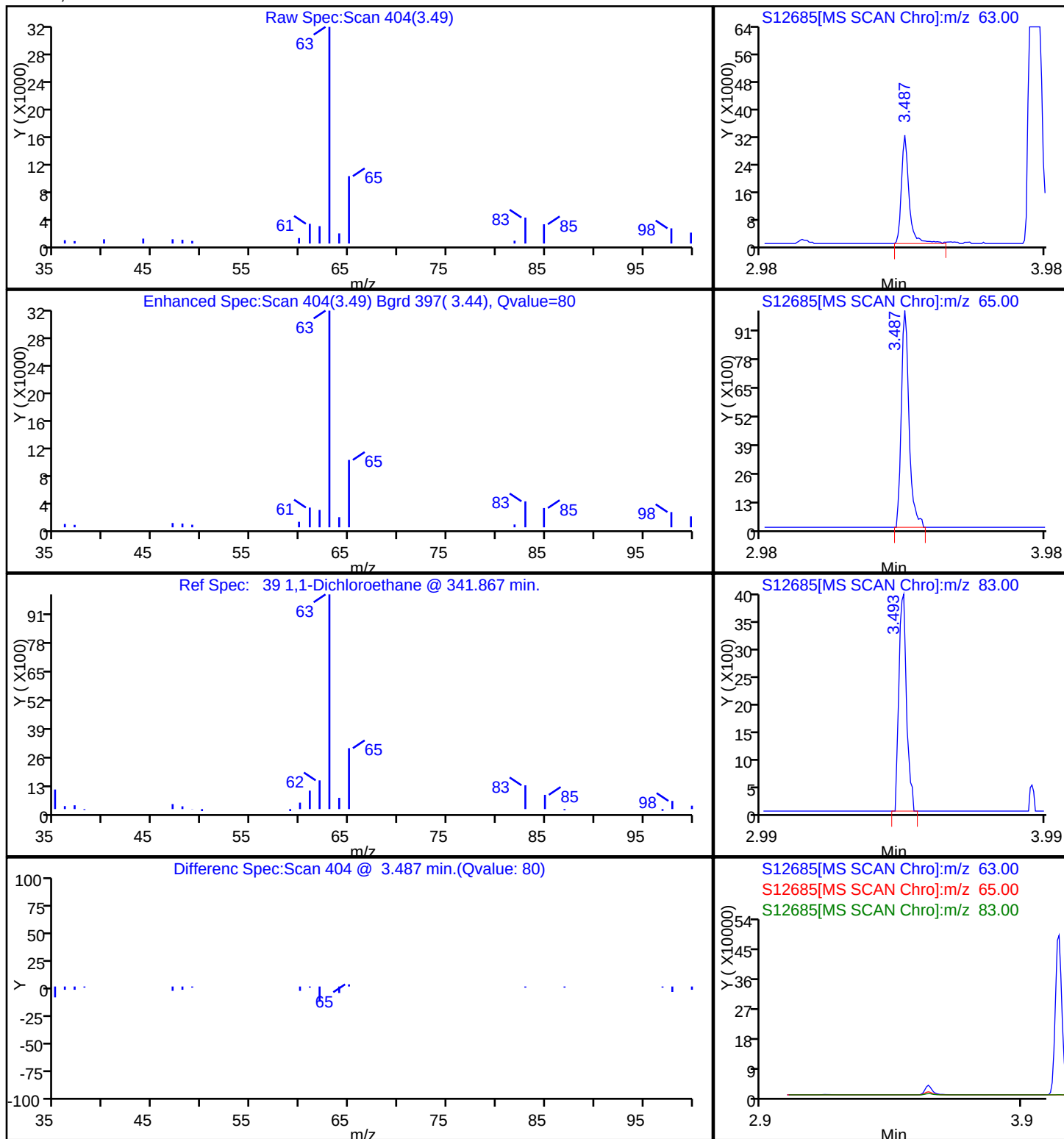
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 08:51:38

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12685.D

Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

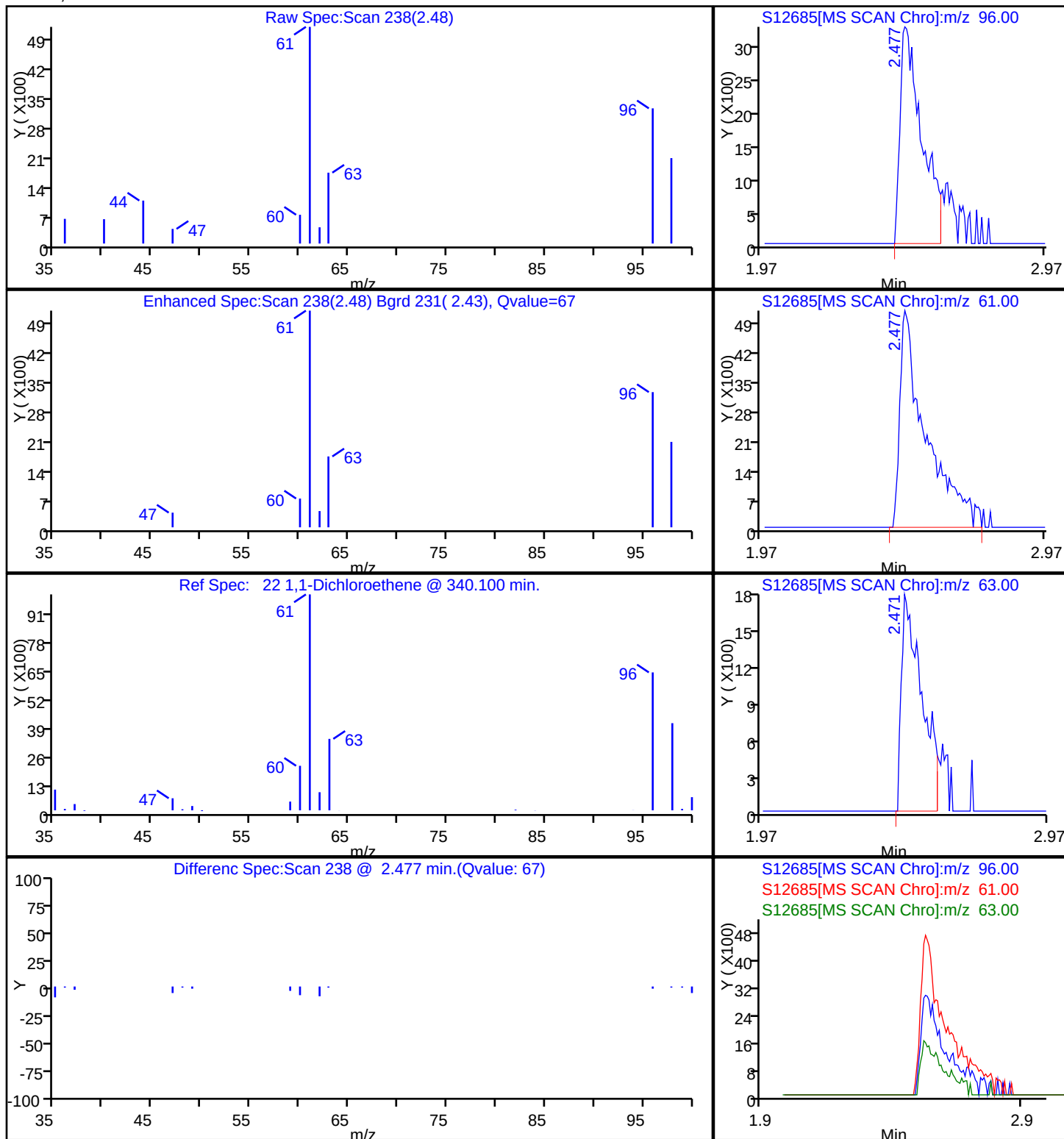
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

22 1,1-Dichloroethene



Data File:

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Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

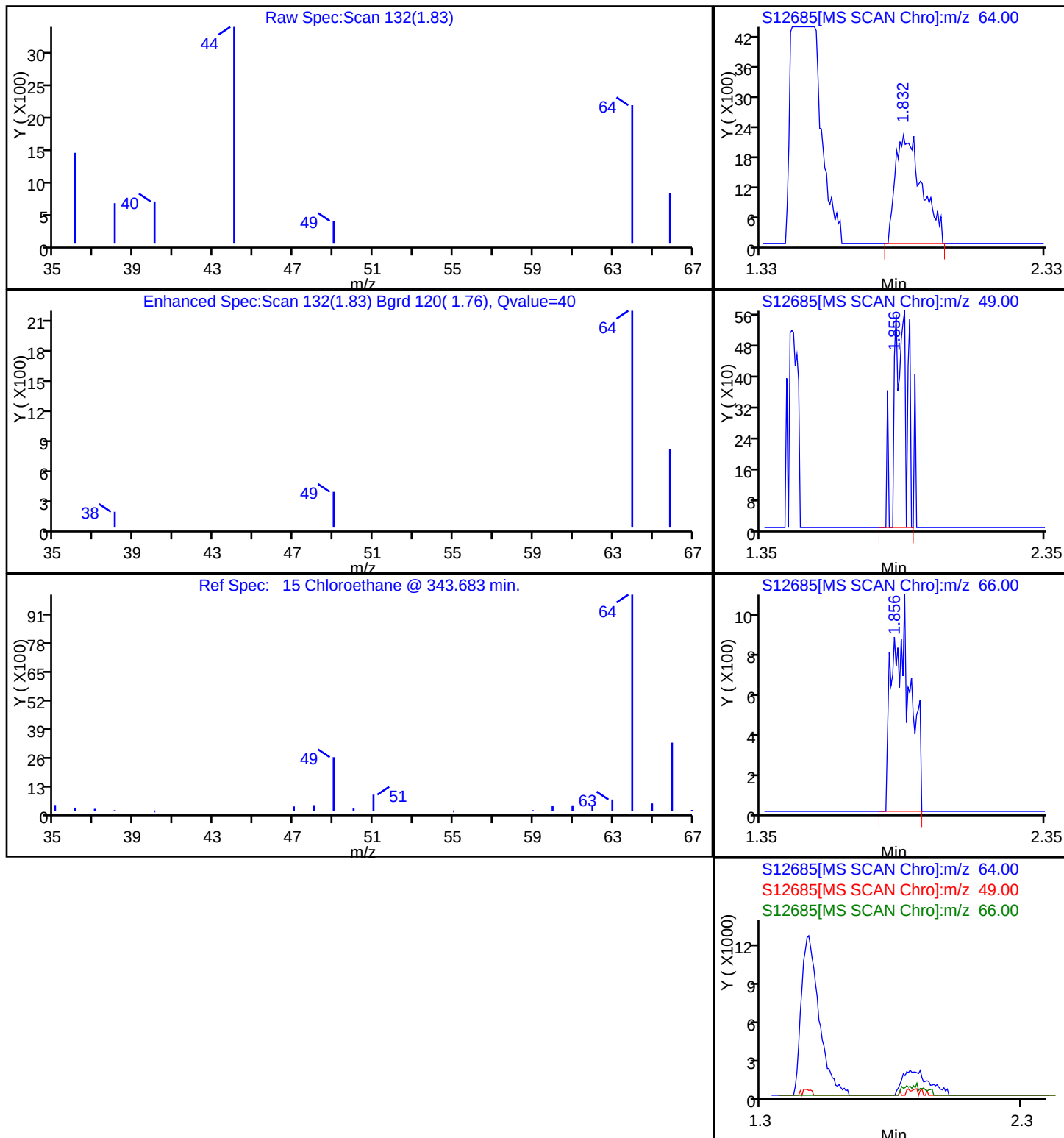
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 08:51:39

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

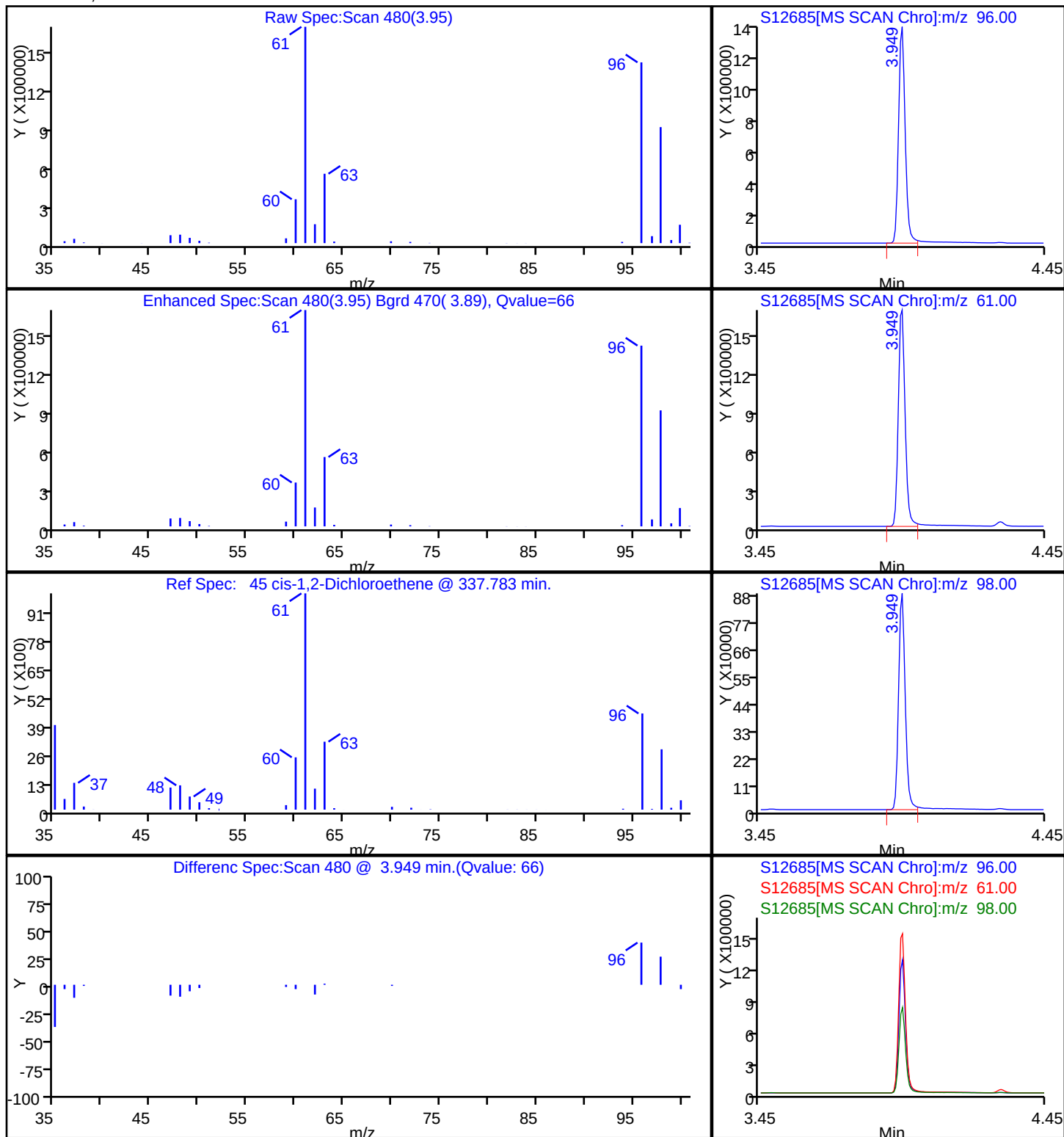
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 08:51:39

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

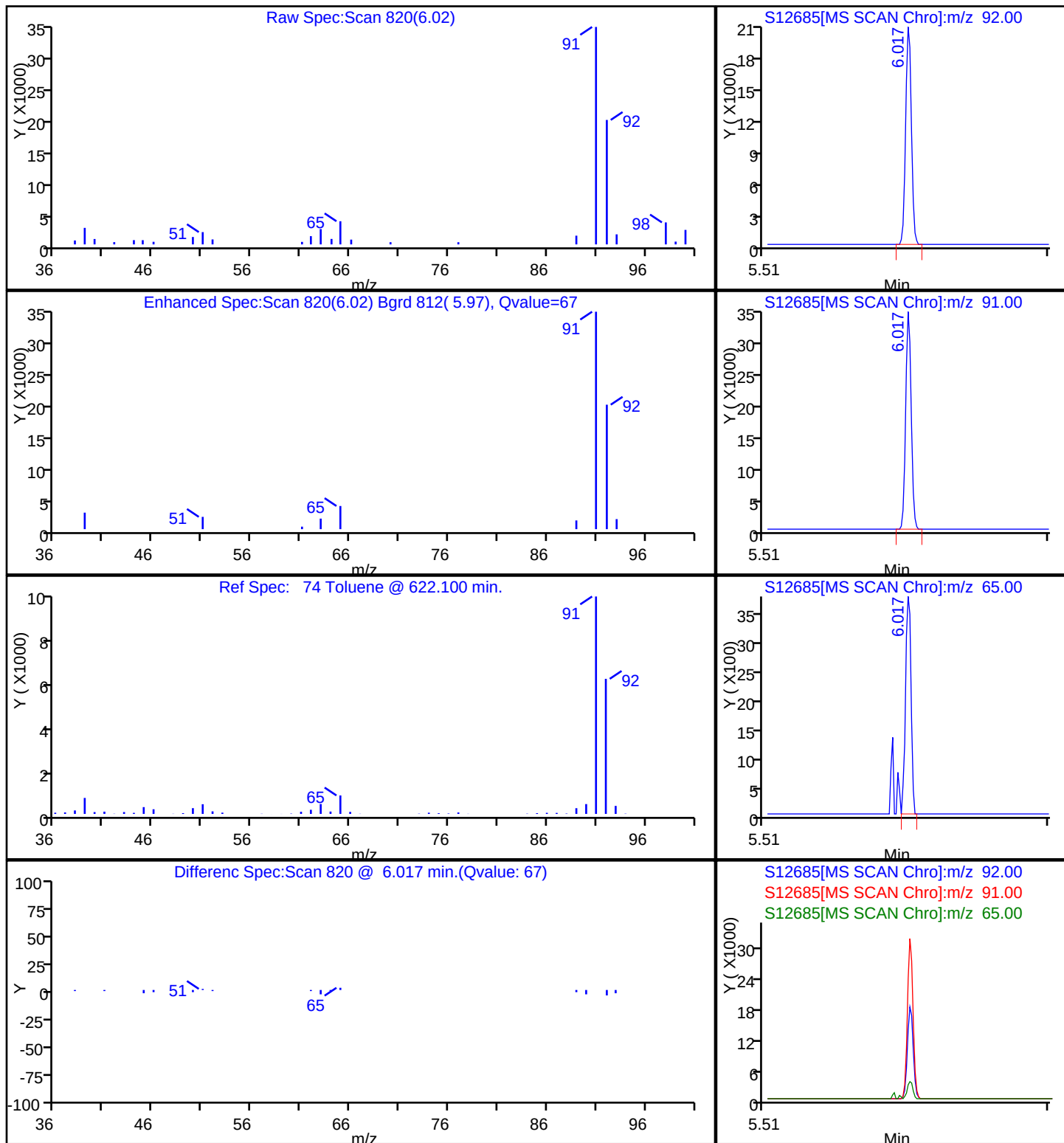
Lims Sample ID: 20

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

74 Toluene



Report Date: 06-Apr-2012 08:51:39

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12685.D

Injection Date: 05-Apr-2012 17:57:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58271

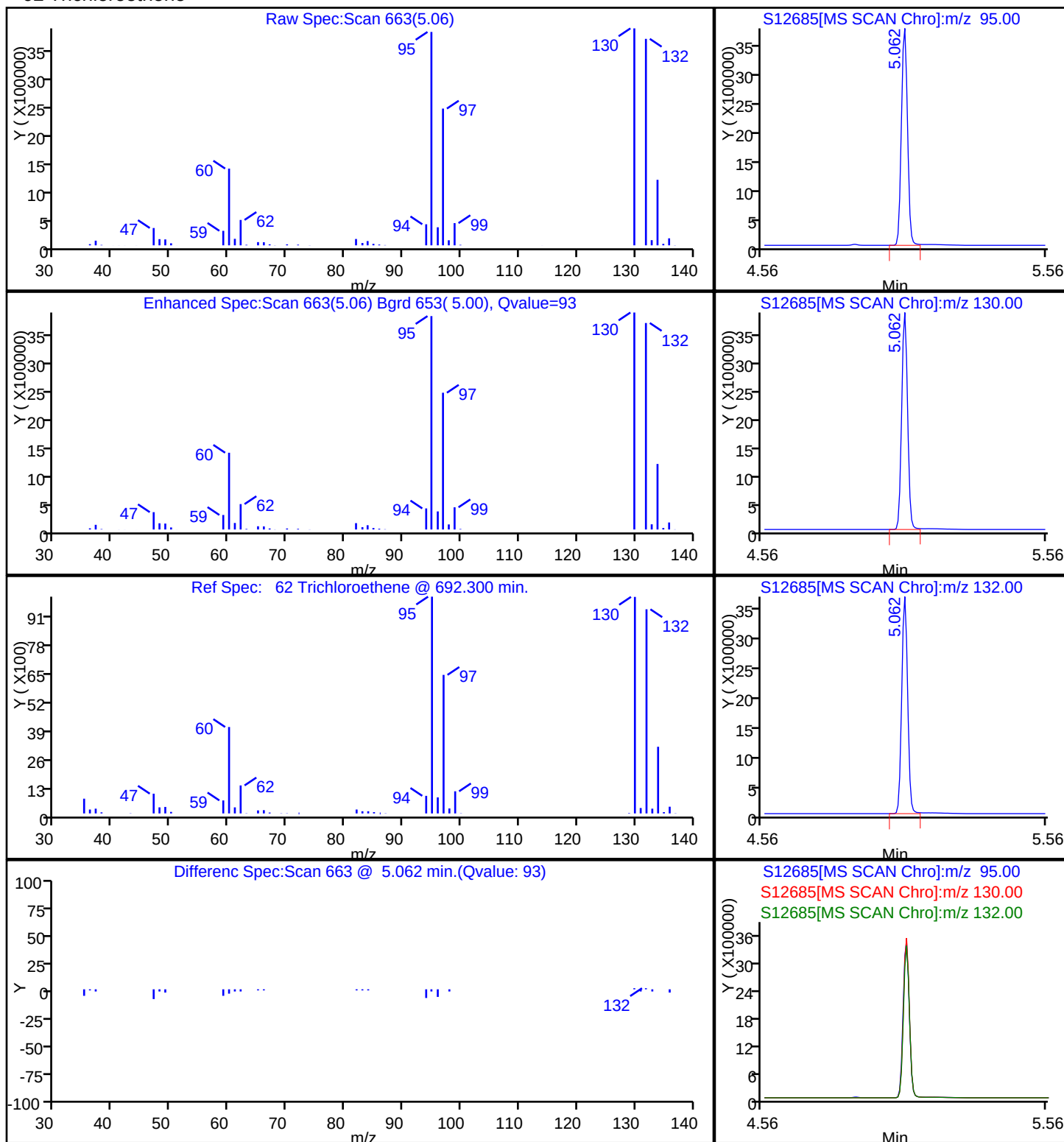
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Operator ID: DHC

Column Type: ZB-624

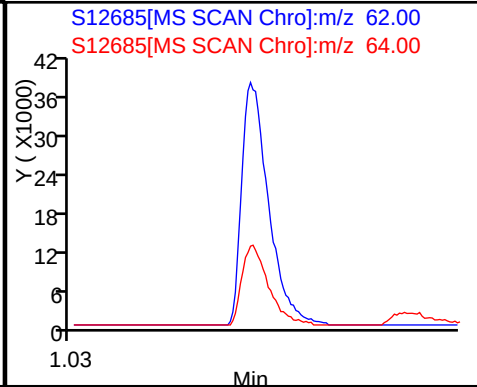
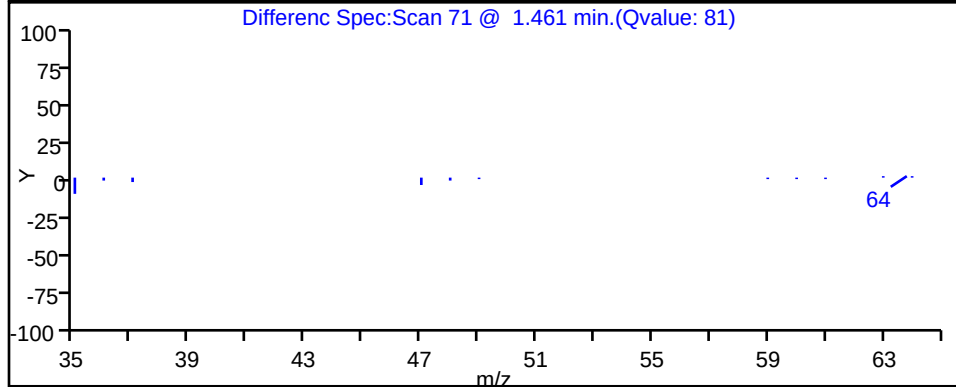
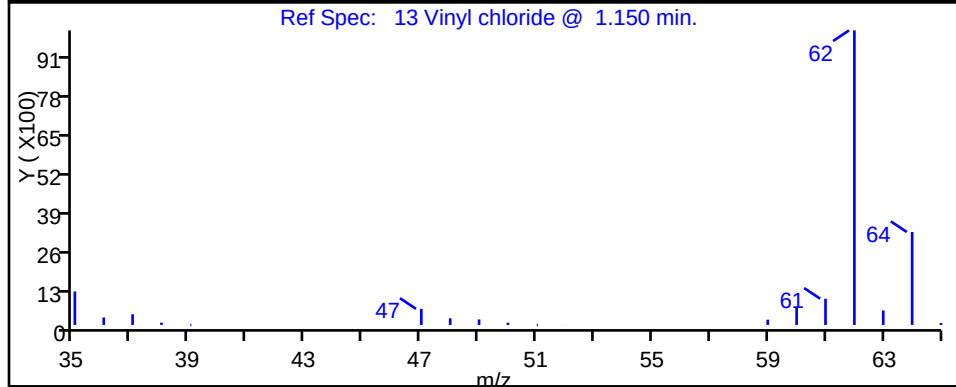
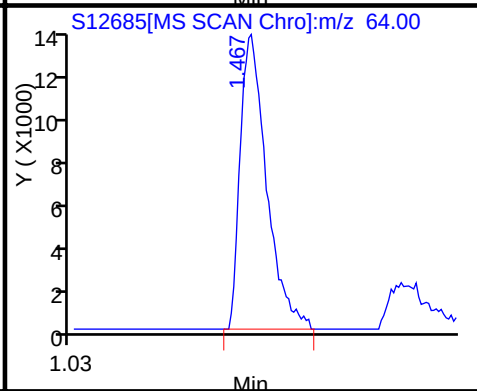
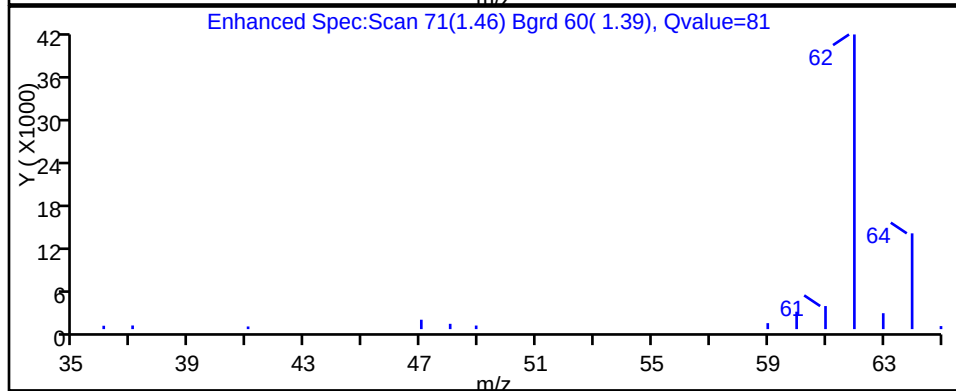
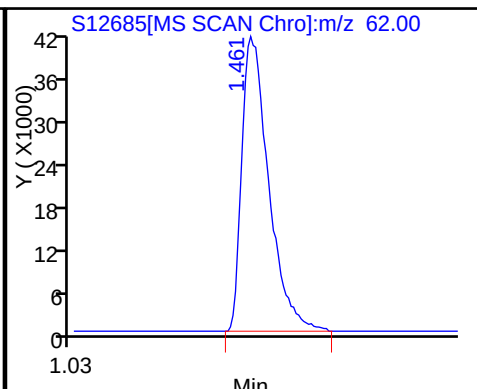
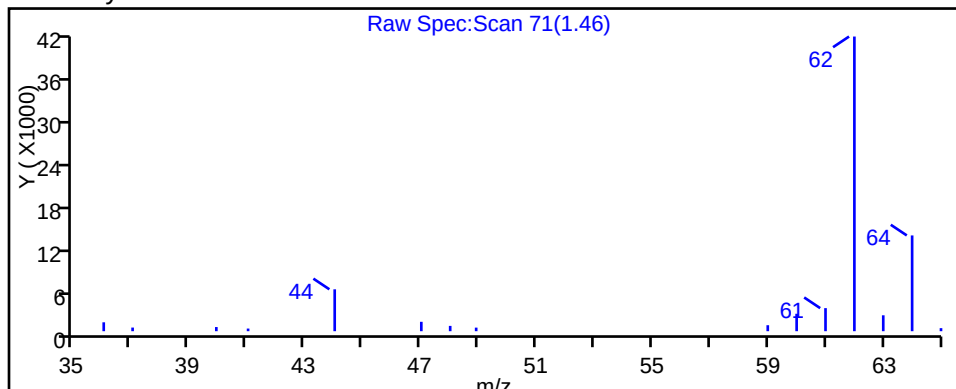
Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 08:51:38
Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12685.D
Injection Date: 05-Apr-2012 17:57:30
Client ID: MW-16S
Lims Batch ID: 58271
Operator ID: DHC
Column Type: ZB-624
13 Vinyl chloride

Chrom Revision: 2.0 20-Feb-2012 13:27:02
Limit Group: MV - 8260B ICAL
Instrument ID: HP5973S
Lims Sample ID: 20
Column Dia: 0.25 mm



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-16S DL Lab Sample ID: 480-18001-18 DL

Matrix: Ground Water Lab File ID: S12770.D

Analysis Method: 8260B Date Collected: 04/03/2012 13:10

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 14:23

Soil Aliquot Vol: _____ Dilution Factor: 4000

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3800	J	4000	3300
79-34-5	1,1,2,2-Tetrachloroethane	ND		4000	840
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4000	1200
79-00-5	1,1,2-Trichloroethane	ND		4000	920
75-34-3	1,1-Dichloroethane	ND		4000	1500
75-35-4	1,1-Dichloroethene	ND		4000	1200
120-82-1	1,2,4-Trichlorobenzene	ND		4000	1600
96-12-8	1,2-Dibromo-3-Chloropropane	ND		4000	1600
106-93-4	1,2-Dibromoethane	ND		4000	2900
95-50-1	1,2-Dichlorobenzene	ND		4000	3200
107-06-2	1,2-Dichloroethane	ND		4000	840
78-87-5	1,2-Dichloropropane	ND		4000	2900
541-73-1	1,3-Dichlorobenzene	ND		4000	3100
106-46-7	1,4-Dichlorobenzene	ND		4000	3400
78-93-3	2-Butanone (MEK)	ND		40000	5300
591-78-6	2-Hexanone	ND		20000	5000
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		20000	8400
67-64-1	Acetone	ND		40000	12000
71-43-2	Benzene	ND		4000	1600
75-27-4	Bromodichloromethane	ND		4000	1600
75-25-2	Bromoform	ND		4000	1000
74-83-9	Bromomethane	ND		4000	2800
75-15-0	Carbon disulfide	ND		4000	760
56-23-5	Carbon tetrachloride	ND		4000	1100
108-90-7	Chlorobenzene	ND		4000	3000
75-00-3	Chloroethane	ND		4000	1300
67-66-3	Chloroform	ND		4000	1400
74-87-3	Chloromethane	ND		4000	1400
156-59-2	cis-1,2-Dichloroethene	84000		4000	3200
10061-01-5	cis-1,3-Dichloropropene	ND		4000	1400
110-82-7	Cyclohexane	ND		4000	720
124-48-1	Dibromochloromethane	ND		4000	1300
75-71-8	Dichlorodifluoromethane	ND		4000	2700
100-41-4	Ethylbenzene	ND		4000	3000
98-82-8	Isopropylbenzene	ND		4000	3200

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-16S DL Lab Sample ID: 480-18001-18 DL
 Matrix: Ground Water Lab File ID: S12770.D
 Analysis Method: 8260B Date Collected: 04/03/2012 13:10
 Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 14:23
 Soil Aliquot Vol: _____ Dilution Factor: 4000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		4000	2000
1634-04-4	Methyl tert-butyl ether	ND		4000	640
108-87-2	Methylcyclohexane	ND		4000	640
75-09-2	Methylene Chloride	ND		4000	1800
100-42-5	Styrene	ND		4000	2900
127-18-4	Tetrachloroethene	ND		4000	1400
108-88-3	Toluene	ND		4000	2000
156-60-5	trans-1,2-Dichloroethene	ND		4000	3600
10061-02-6	trans-1,3-Dichloropropene	ND		4000	1500
79-01-6	Trichloroethene	250000		4000	1800
75-69-4	Trichlorofluoromethane	ND		4000	3500
75-01-4	Vinyl chloride	7100		4000	3600
1330-20-7	Xylenes, Total	ND		8000	2600

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12770.D
 Lims ID: 480-18001-B-18 Client ID: MW-16S
 Inject. Date: 07-Apr-2012 14:23:30 Dil. Factor: 4000.0000
 Sample Type: Client
 Sample ID: 480-18001-B-18
 Misc. Info.: 480-0010803-007 =480-0010803-007
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 7
 Lims Batch ID: 58591 Lims Sample ID: 7
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S-8260.m
 Last Update: 09-Apr-2012 16:13:27 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 10-Apr-2012 00:14:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	793938	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	419919	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	361020	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	146358	30.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	953377	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	250584	26.8	
10 Dichlorodifluoromethane	85		1.224					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.479	1.461	0.018	21	15012	1.78	
14 Bromomethane	94		1.741					
15 Chloroethane	64		1.881					
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.452					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
39 1,1-Dichloroethane	63		3.487					
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	66	190387	21.1	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.204					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	66	10948	0.9410	
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95	5.062	5.056	0.006	92	538863	62.4	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 10-Apr-2012 00:14:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12770.D

Injection Date: 07-Apr-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58591

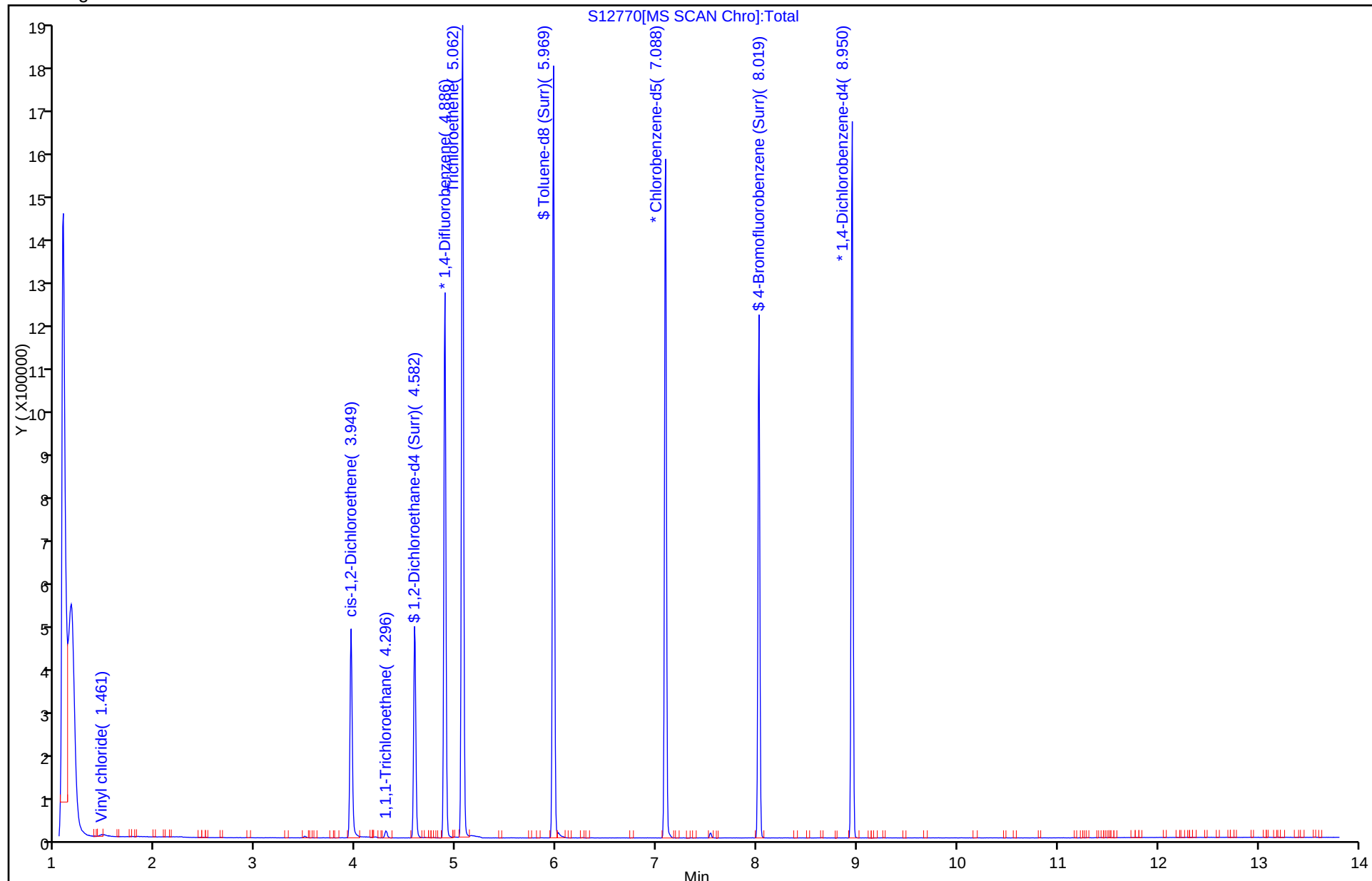
Lims Sample ID: 7

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 10-Apr-2012 00:14:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12770.D

Injection Date: 07-Apr-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58591

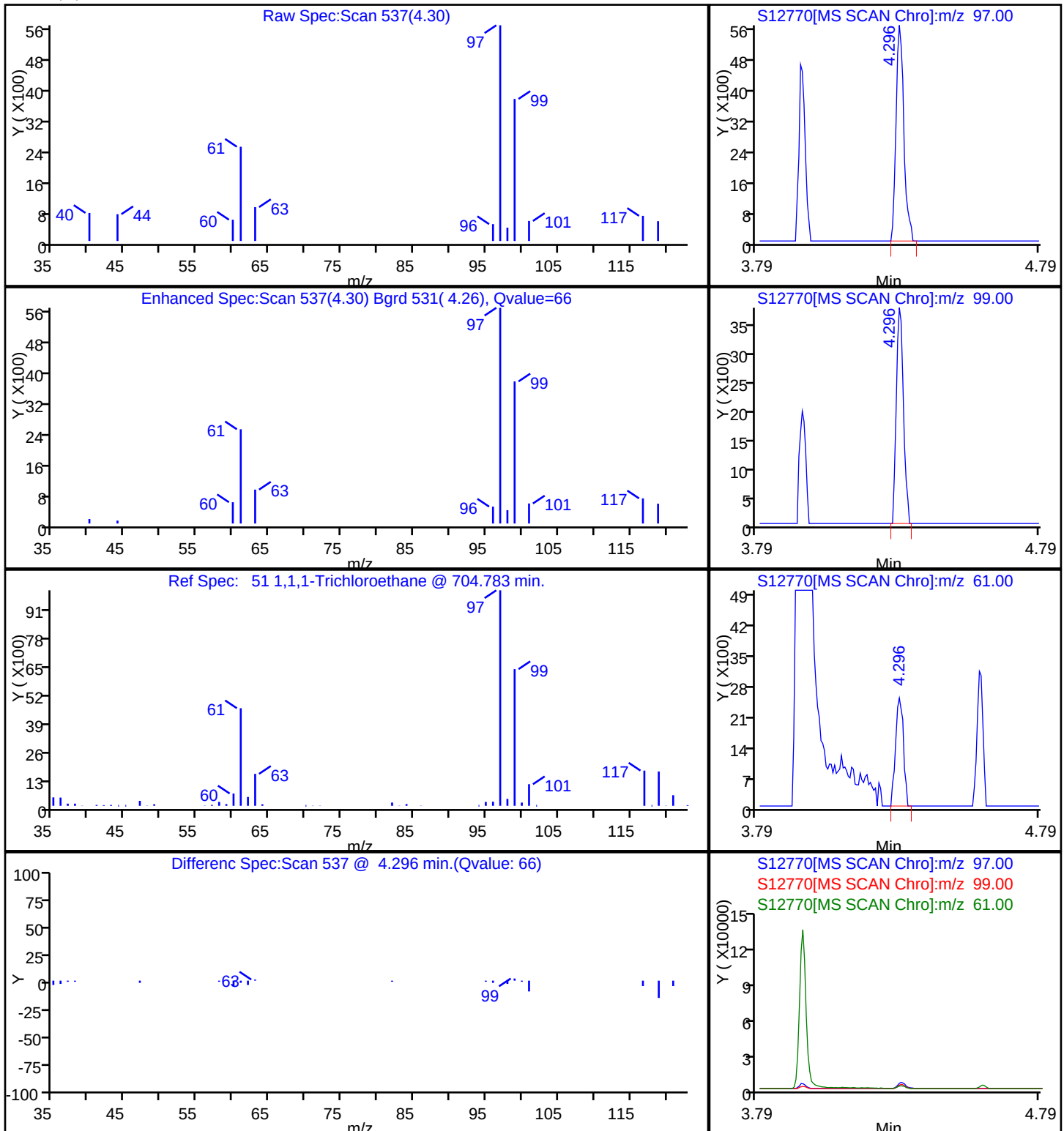
Lims Sample ID: 7

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

51 1,1,1-Trichloroethane



Report Date: 10-Apr-2012 00:14:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12770.D

Injection Date: 07-Apr-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58591

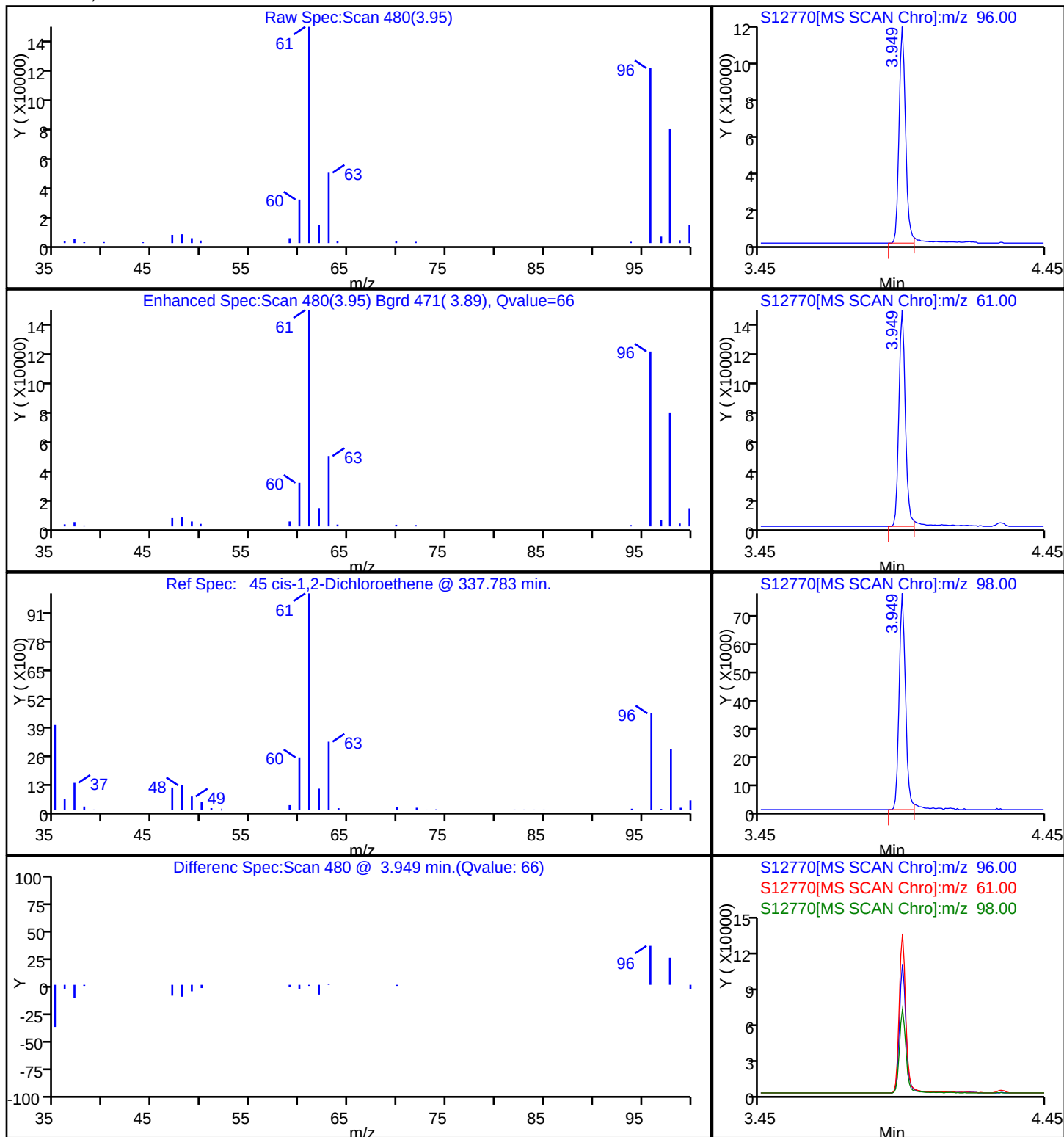
Lims Sample ID: 7

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 10-Apr-2012 00:14:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12770.D

Injection Date: 07-Apr-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58591

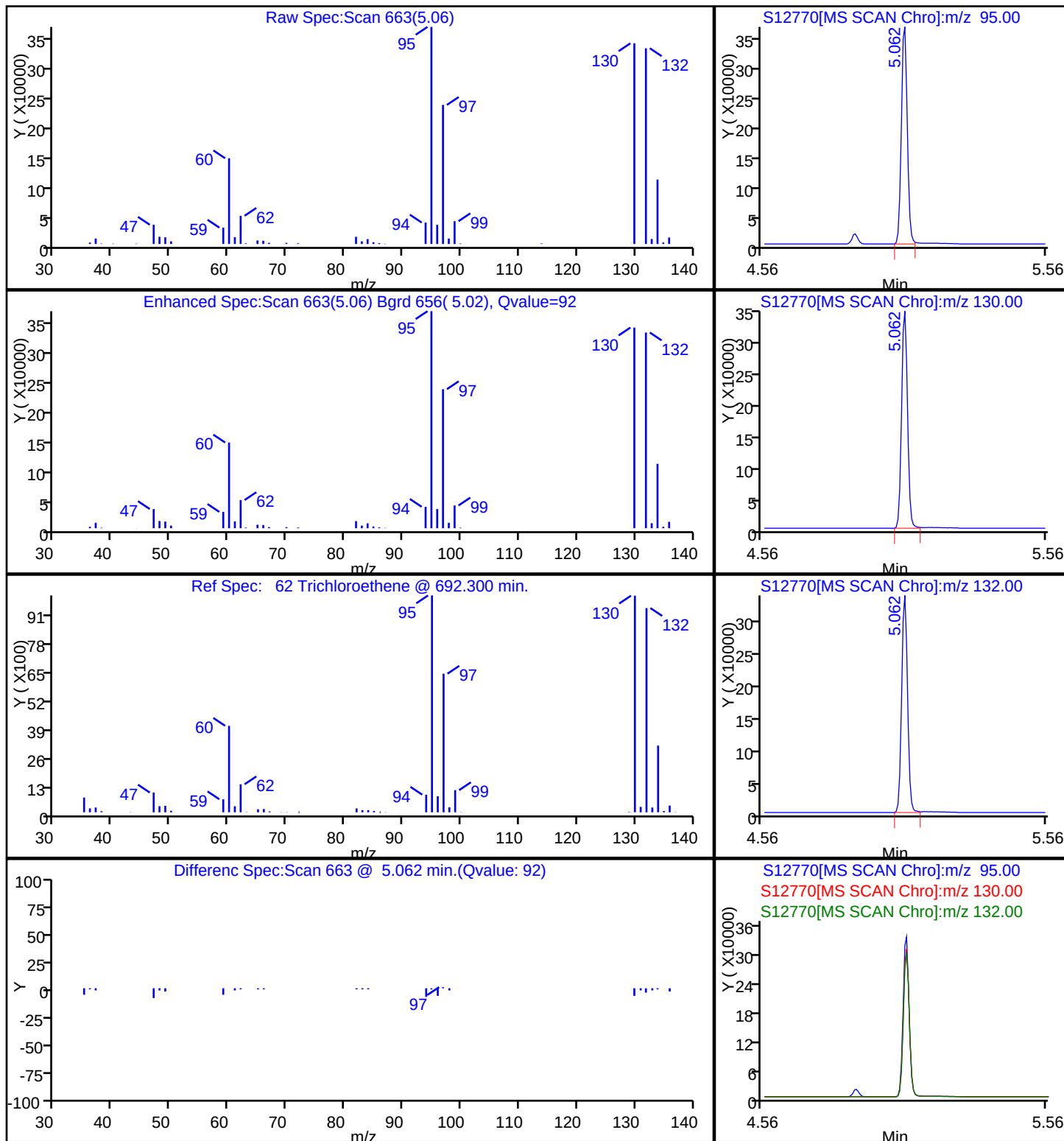
Lims Sample ID: 7

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 10-Apr-2012 00:14:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12770.D

Injection Date: 07-Apr-2012 14:23:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16S

Instrument ID: HP5973S

Lims Batch ID: 58591

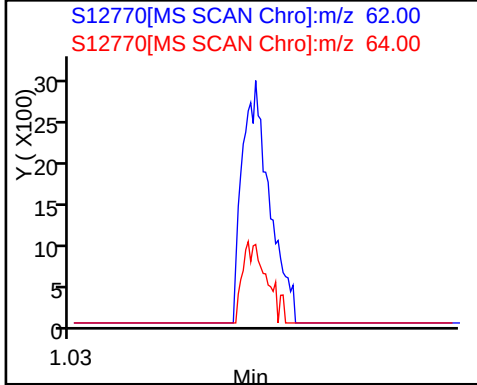
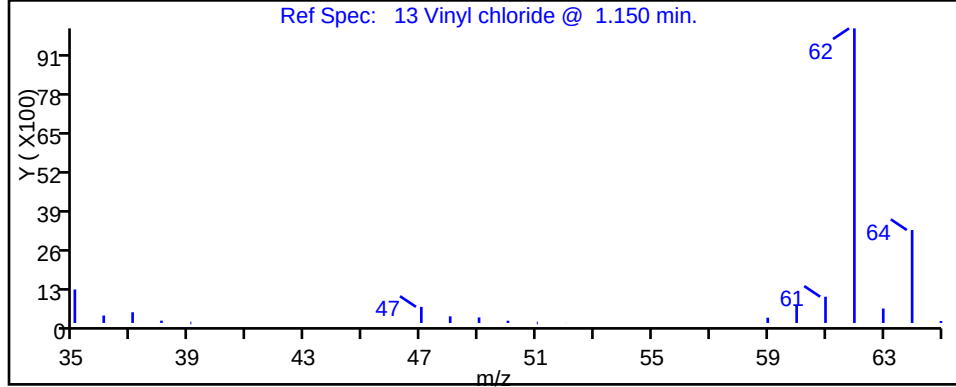
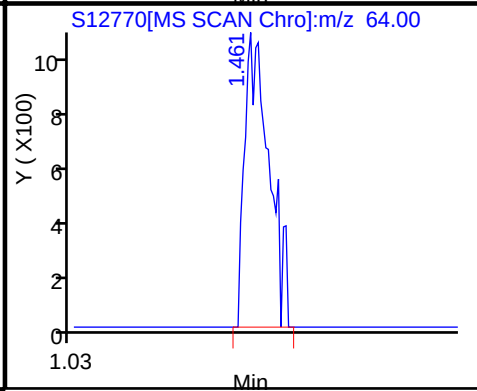
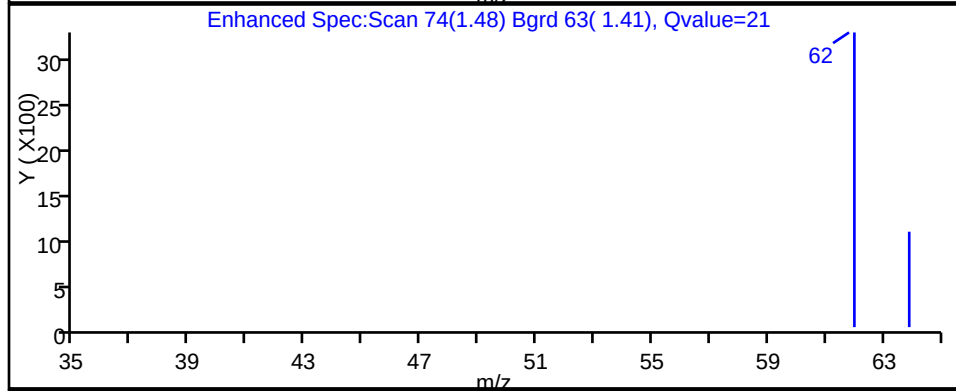
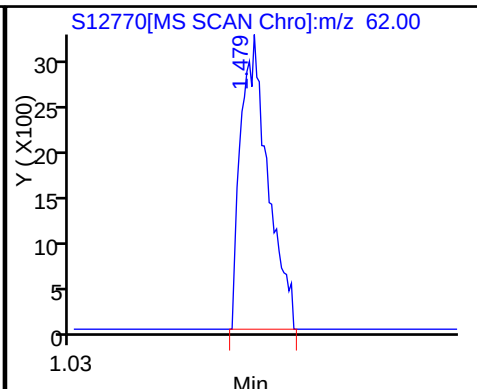
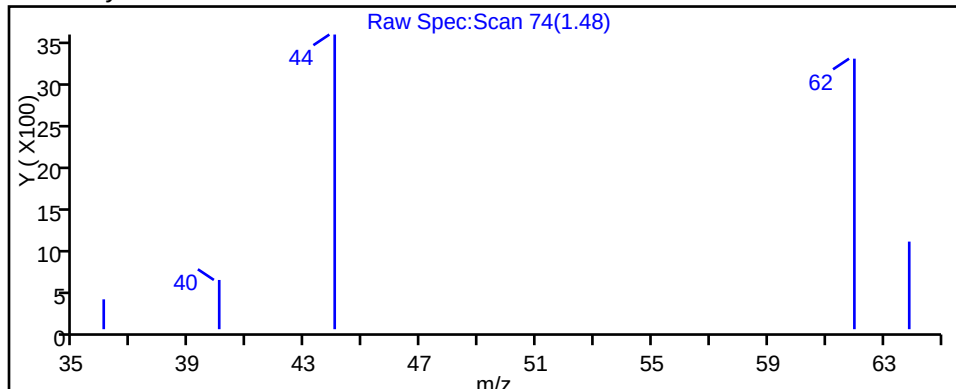
Lims Sample ID: 7

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-16D Lab Sample ID: 480-18001-19

Matrix: Ground Water Lab File ID: S12686.D

Analysis Method: 8260B Date Collected: 04/03/2012 13:55

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 18:19

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	0.58	J	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	0.65	J	1.0	0.23
75-34-3	1,1-Dichloroethane	35		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	0.99	J	1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	110	E	1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	66		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-16D Lab Sample ID: 480-18001-19
 Matrix: Ground Water Lab File ID: S12686.D
 Analysis Method: 8260B Date Collected: 04/03/2012 13:55
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 18:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	0.63	J	1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	3.4		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	42		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	46		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D
 Lims ID: 480-18001-A-19 Client ID: MW-16D
 Inject. Date: 05-Apr-2012 18:19:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-19
 Misc. Info.: 480-0010748-021 =480-0010748-021
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 21
 Lims Batch ID: 58271 Lims Sample ID: 21
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:52:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	832719	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	436083	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	376055	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	151398	29.8	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	984038	30.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	265661	27.4	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.461	1.467	-0.006	83	404903	45.9	
14 Bromomethane	94		1.728					
15 Chloroethane	64	1.838	1.868	-0.030	94	617484	105.9	E
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.477					
23 Acetone	43	2.605	2.592	0.012	62	3203	0.9753	
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84	2.970	2.970	0.0	45	6562	0.6287	
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.122	3.116	0.006	90	28376	3.40	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	509116	35.3	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	626091	66.2	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97	4.296	4.290	0.006	56	6253	0.5124	
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62	4.642	4.636	0.006	34	12398	0.99	
62 Trichloroethene	95	5.062	5.056	0.006	93	384071	42.4	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83	6.370	6.376	-0.006	40	4648	0.6472	
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	33	6524	0.5754	
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

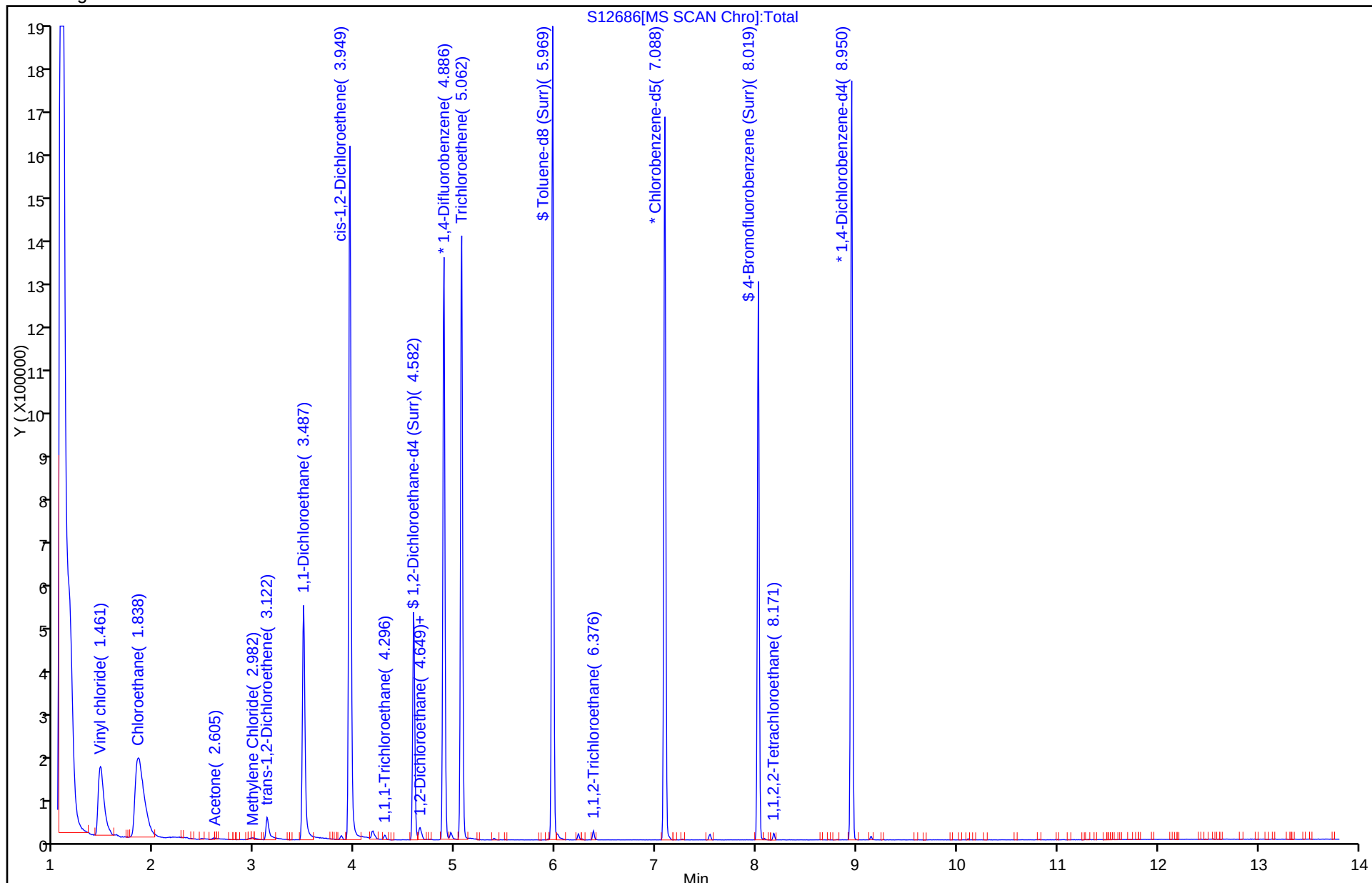
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

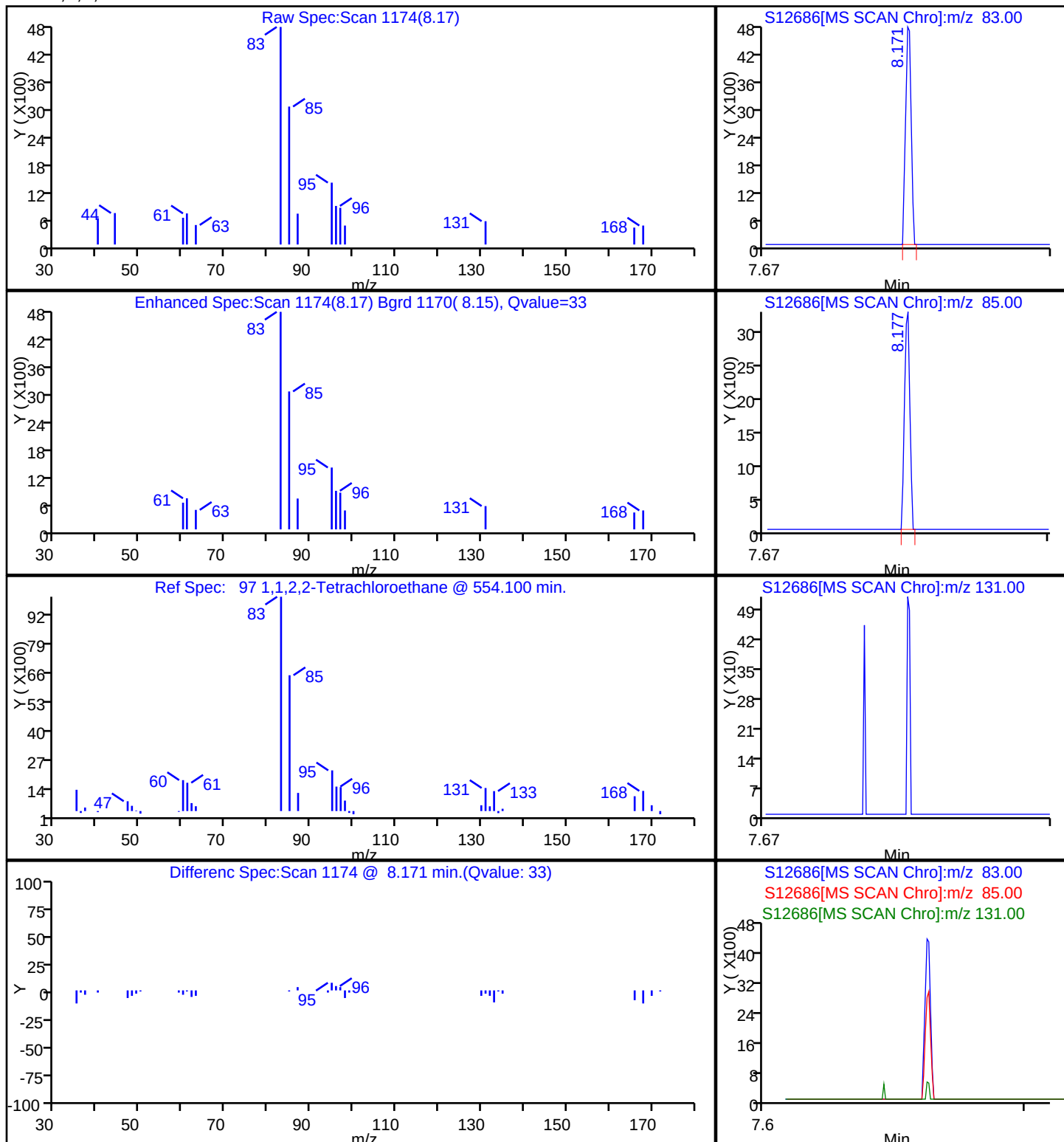
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

97 1,1,2,2-Tetrachloroethane



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

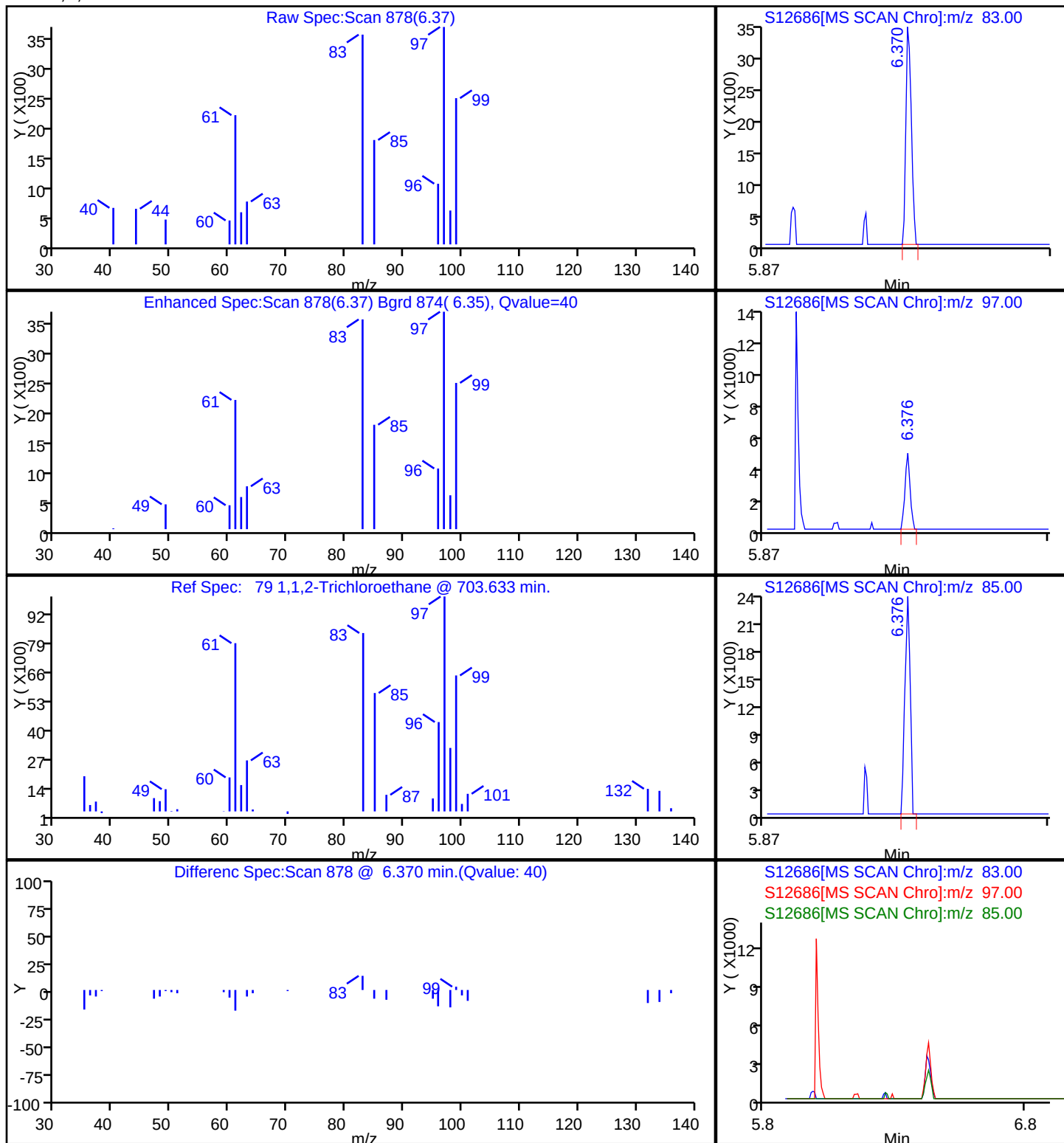
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

79 1,1,2-Trichloroethane



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

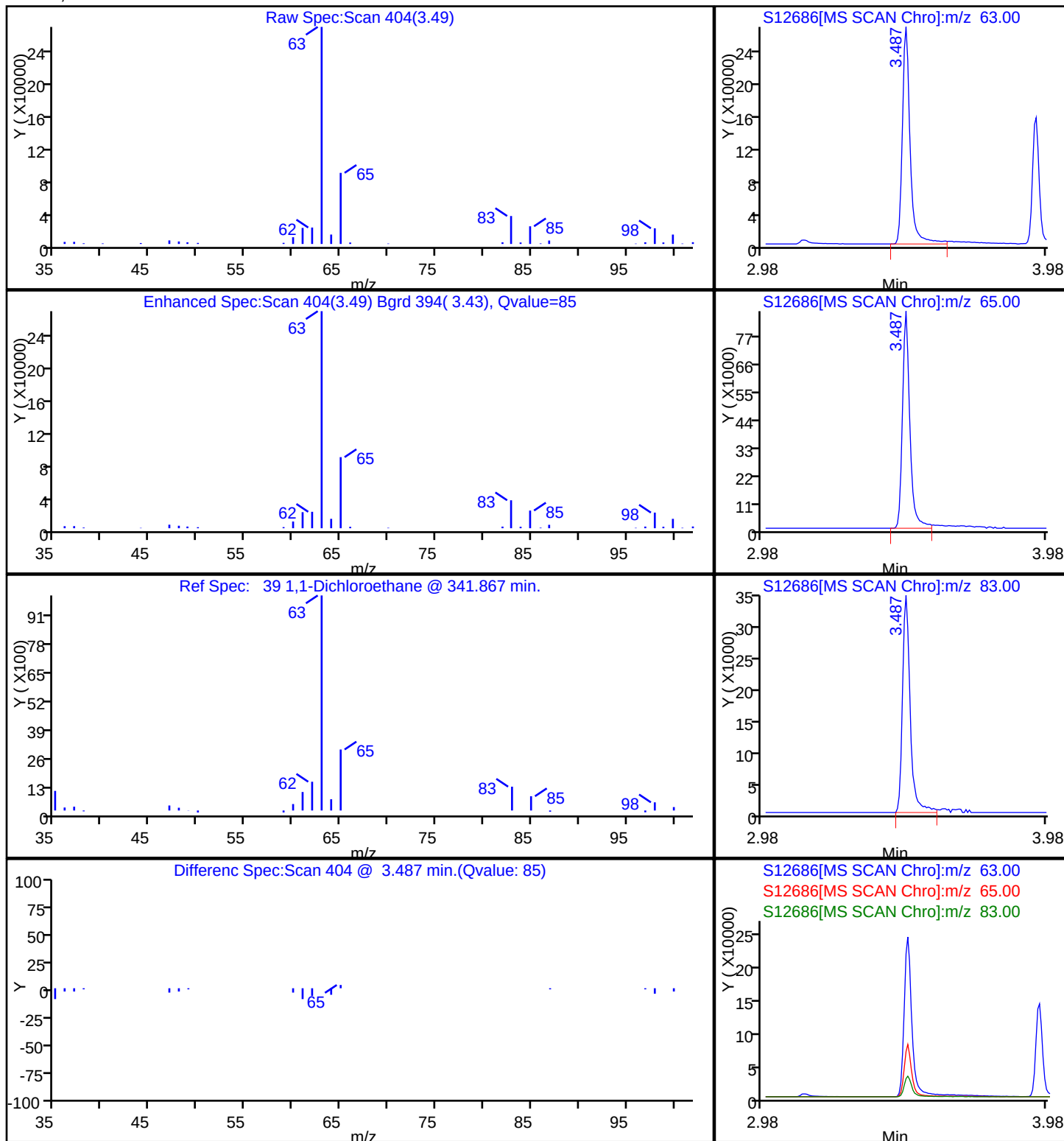
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

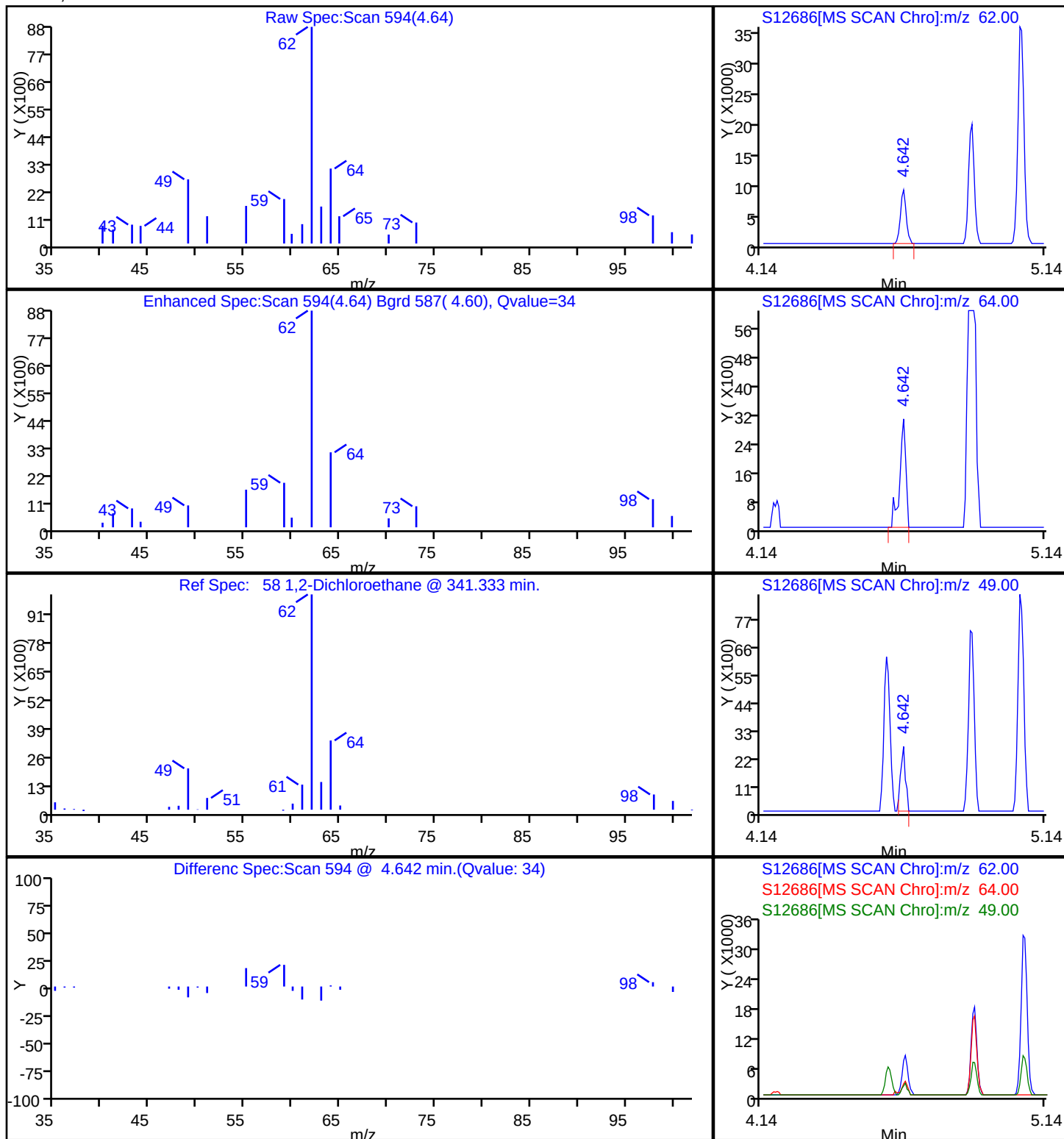
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

58 1,2-Dichloroethane



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

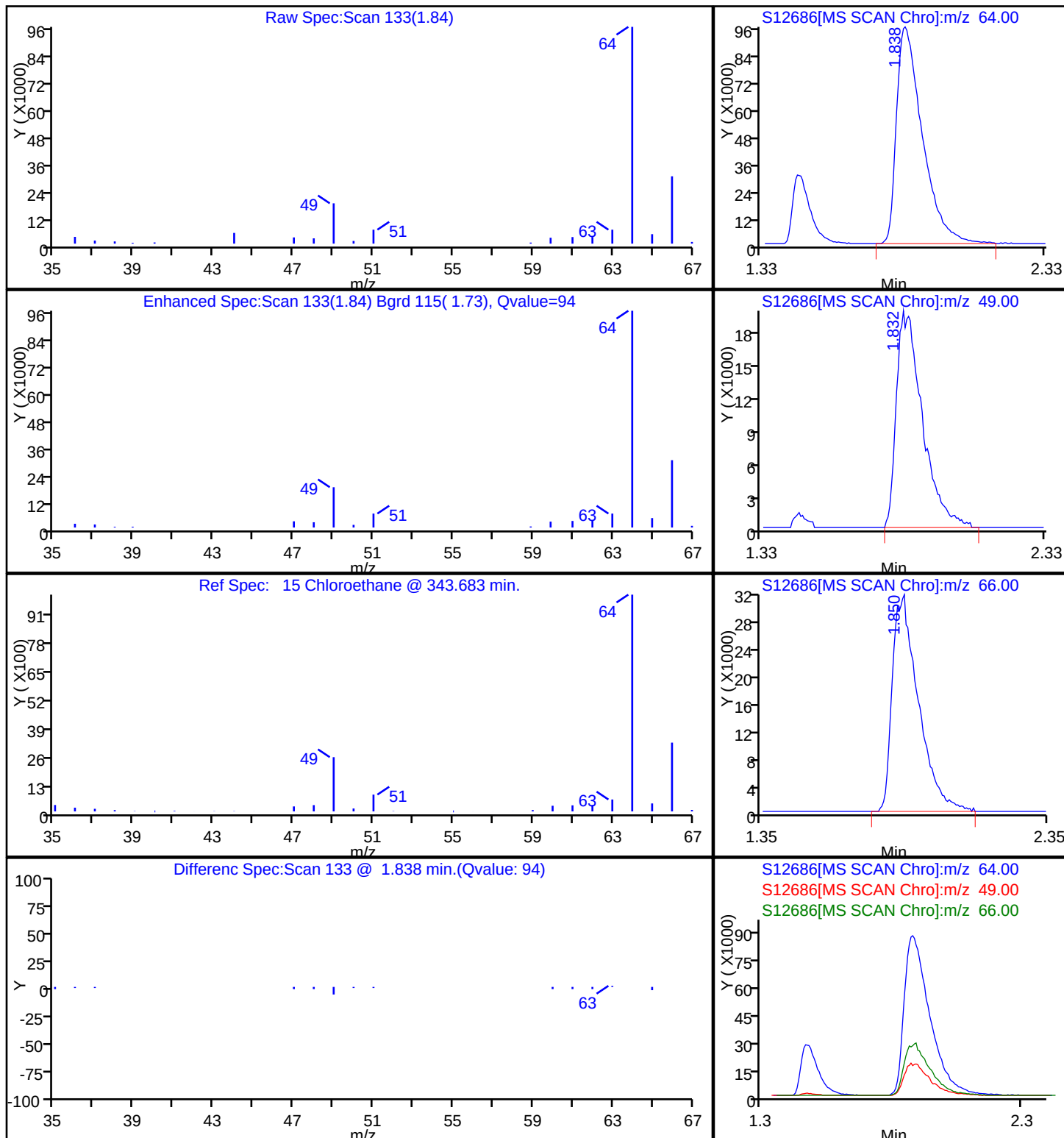
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

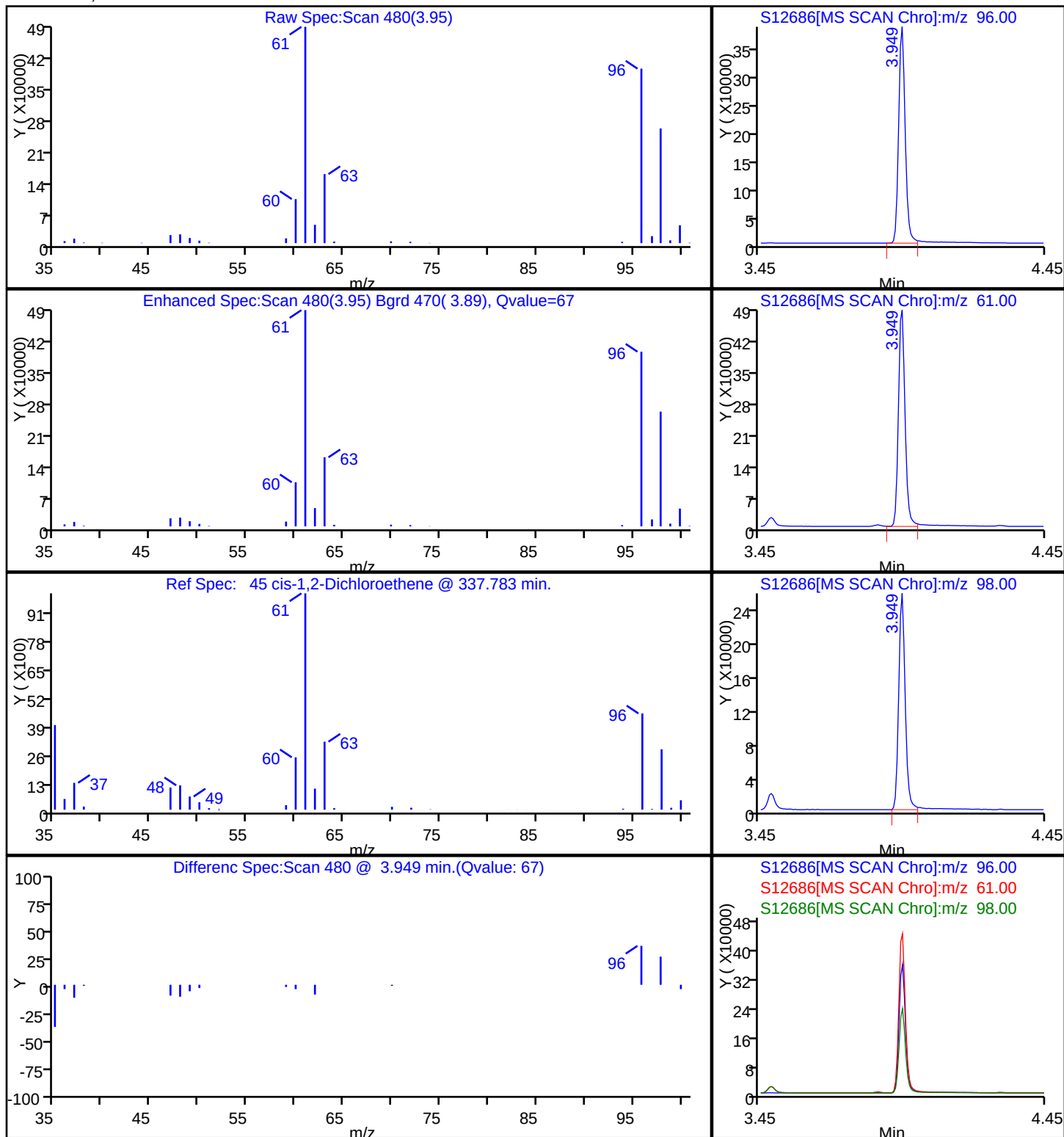
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

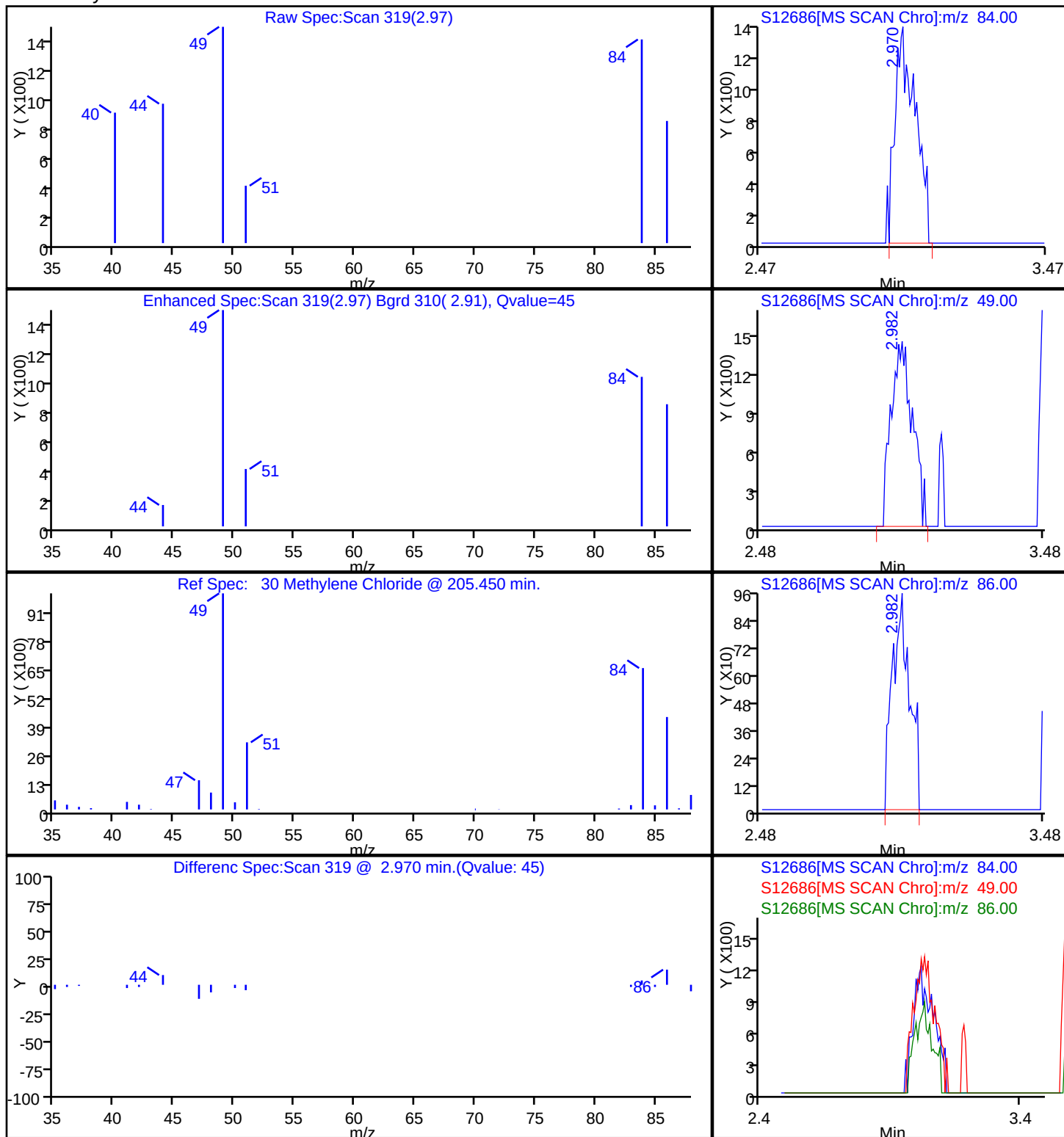
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

30 Methylene Chloride



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

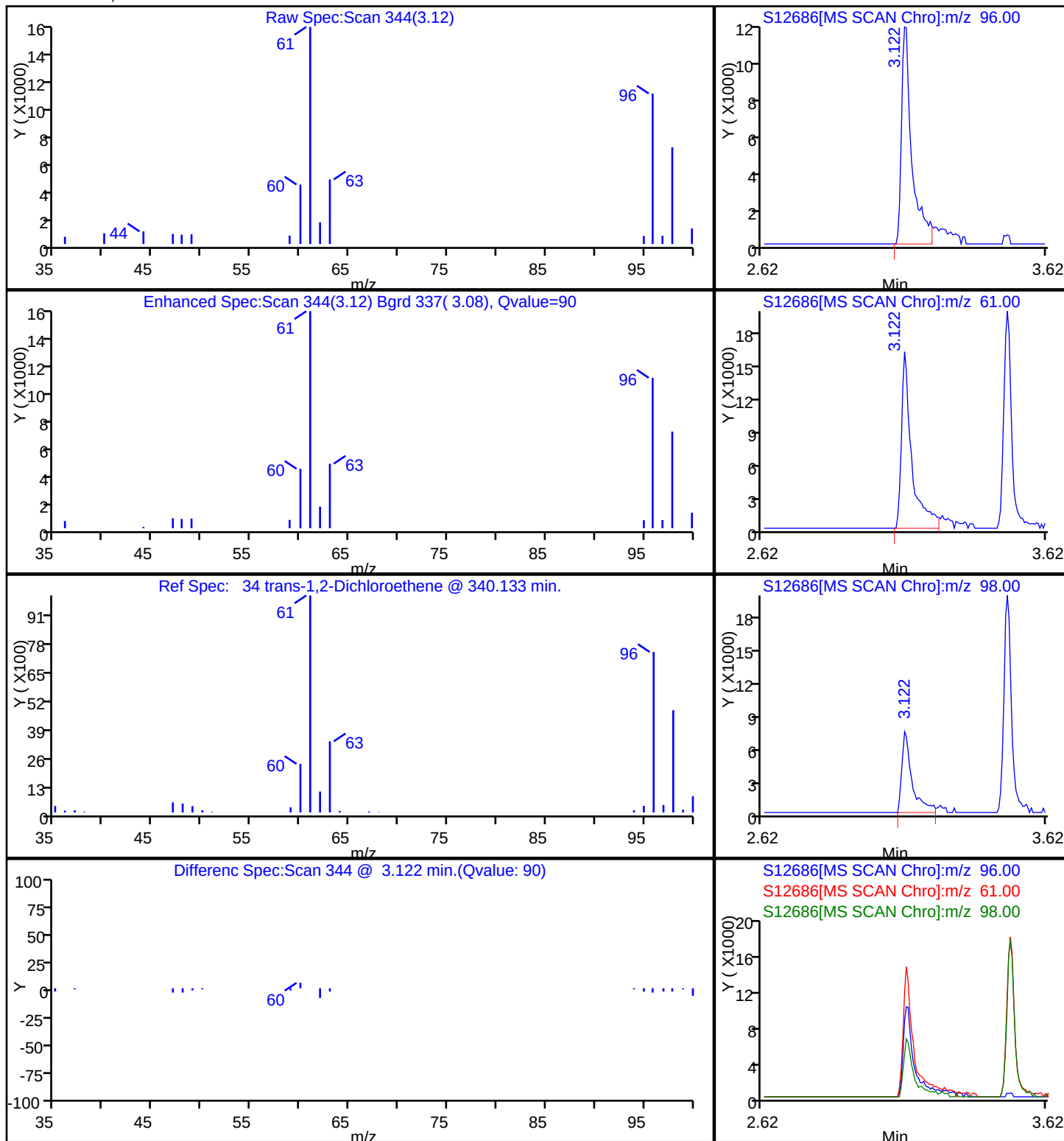
Lims Sample ID: 21

Operator ID: DHC

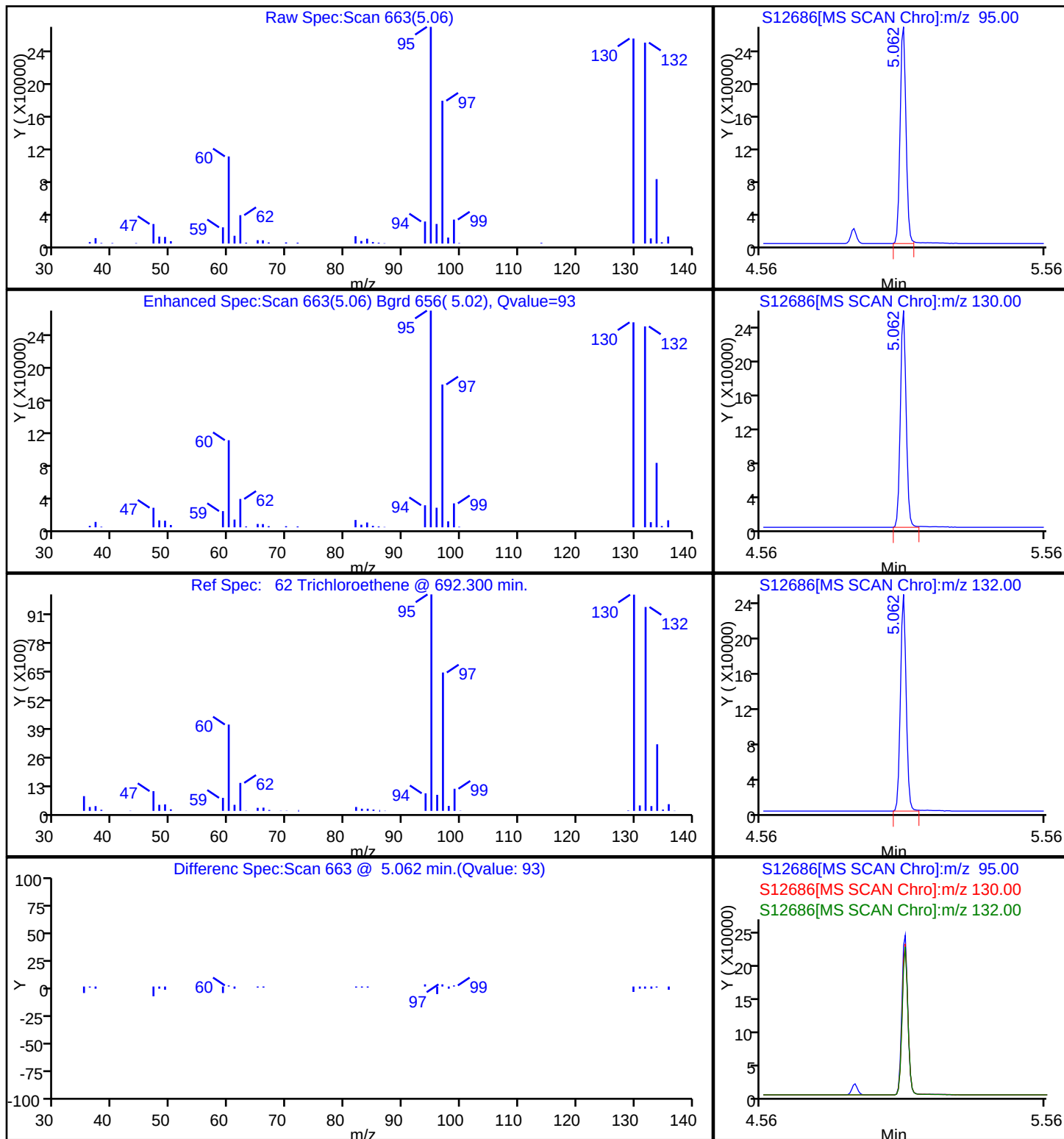
Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



62 Trichloroethene



Report Date: 06-Apr-2012 08:52:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12686.D

Injection Date: 05-Apr-2012 18:19:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58271

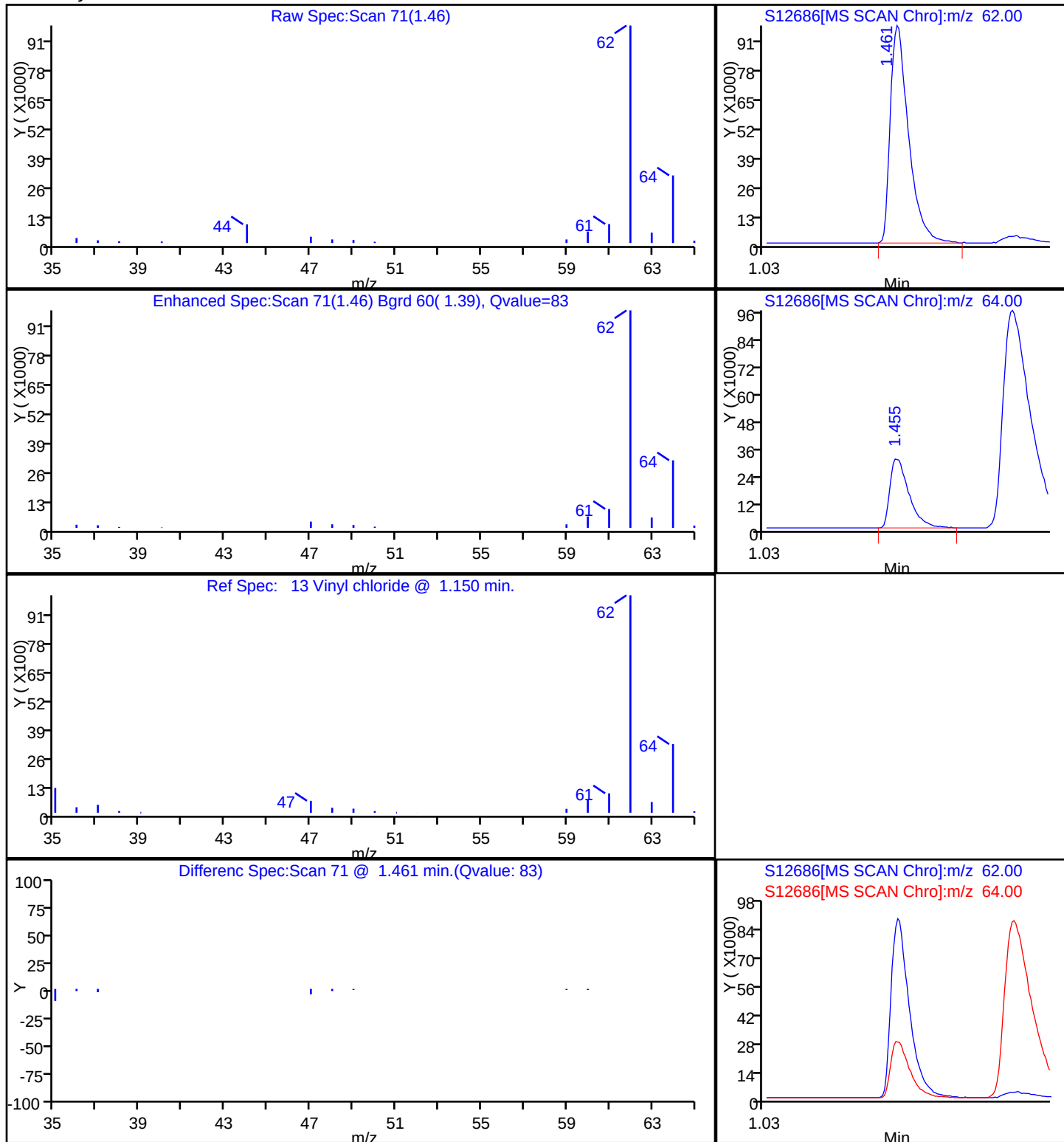
Lims Sample ID: 21

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-16D DL Lab Sample ID: 480-18001-19 DL

Matrix: Ground Water Lab File ID: S12721.D

Analysis Method: 8260B Date Collected: 04/03/2012 13:55

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 15:36

Soil Aliquot Vol: _____ Dilution Factor: 2

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2.0	1.6
79-34-5	1,1,2,2-Tetrachloroethane	ND		2.0	0.42
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62
79-00-5	1,1,2-Trichloroethane	ND		2.0	0.46
75-34-3	1,1-Dichloroethane	34		2.0	0.76
75-35-4	1,1-Dichloroethene	ND		2.0	0.58
120-82-1	1,2,4-Trichlorobenzene	ND		2.0	0.82
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2.0	0.78
106-93-4	1,2-Dibromoethane	ND		2.0	1.5
95-50-1	1,2-Dichlorobenzene	ND		2.0	1.6
107-06-2	1,2-Dichloroethane	1.0	J	2.0	0.42
78-87-5	1,2-Dichloropropane	ND		2.0	1.4
541-73-1	1,3-Dichlorobenzene	ND		2.0	1.6
106-46-7	1,4-Dichlorobenzene	ND		2.0	1.7
78-93-3	2-Butanone (MEK)	ND		20	2.6
591-78-6	2-Hexanone	ND		10	2.5
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10	4.2
67-64-1	Acetone	ND		20	6.0
71-43-2	Benzene	ND		2.0	0.82
75-27-4	Bromodichloromethane	ND		2.0	0.78
75-25-2	Bromoform	ND		2.0	0.52
74-83-9	Bromomethane	ND		2.0	1.4
75-15-0	Carbon disulfide	ND		2.0	0.38
56-23-5	Carbon tetrachloride	ND		2.0	0.54
108-90-7	Chlorobenzene	ND		2.0	1.5
75-00-3	Chloroethane	110		2.0	0.64
67-66-3	Chloroform	ND		2.0	0.68
74-87-3	Chloromethane	ND		2.0	0.70
156-59-2	cis-1,2-Dichloroethene	66		2.0	1.6
10061-01-5	cis-1,3-Dichloropropene	ND		2.0	0.72
110-82-7	Cyclohexane	ND		2.0	0.36
124-48-1	Dibromochloromethane	ND		2.0	0.64
75-71-8	Dichlorodifluoromethane	ND		2.0	1.4
100-41-4	Ethylbenzene	ND		2.0	1.5
98-82-8	Isopropylbenzene	ND		2.0	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-16D DL Lab Sample ID: 480-18001-19 DL
 Matrix: Ground Water Lab File ID: S12721.D
 Analysis Method: 8260B Date Collected: 04/03/2012 13:55
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 15:36
 Soil Aliquot Vol: _____ Dilution Factor: 2
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2.0	1.0
1634-04-4	Methyl tert-butyl ether	ND		2.0	0.32
108-87-2	Methylcyclohexane	ND		2.0	0.32
75-09-2	Methylene Chloride	ND		2.0	0.88
100-42-5	Styrene	ND		2.0	1.5
127-18-4	Tetrachloroethene	ND		2.0	0.72
108-88-3	Toluene	ND		2.0	1.0
156-60-5	trans-1,2-Dichloroethene	3.2		2.0	1.8
10061-02-6	trans-1,3-Dichloropropene	ND		2.0	0.74
79-01-6	Trichloroethene	43		2.0	0.92
75-69-4	Trichlorofluoromethane	ND		2.0	1.8
75-01-4	Vinyl chloride	44		2.0	1.8
1330-20-7	Xylenes, Total	ND		4.0	1.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D
 Lims ID: 480-18001-B-19 Client ID: MW-16D
 Inject. Date: 06-Apr-2012 15:36:30 Dil. Factor: 2.0000
 Sample Type: Client
 Sample ID: 480-18001-B-19
 Misc. Info.: 480-0010775-014 =480-0010775-014
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 15
 Lims Batch ID: 58433 Lims Sample ID: 14
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 17:30:16 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 17:37:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	808753	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	423673	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	365634	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	144125	29.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	945791	29.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	251399	26.7	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.455	0.012	81	187268	21.8	
14 Bromomethane	94		1.735					
15 Chloroethane	64	1.838	1.850	-0.012	93	297672	52.5	
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43	2.598	2.592	0.006	71	2282	0.7155	
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96	3.128	3.122	0.006	76	12820	1.58	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	239777	17.1	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	303080	33.0	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62	4.642	4.636	0.006	1	6306	0.5210	
62 Trichloroethene	95	5.062	5.056	0.006	94	188009	21.4	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D

Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

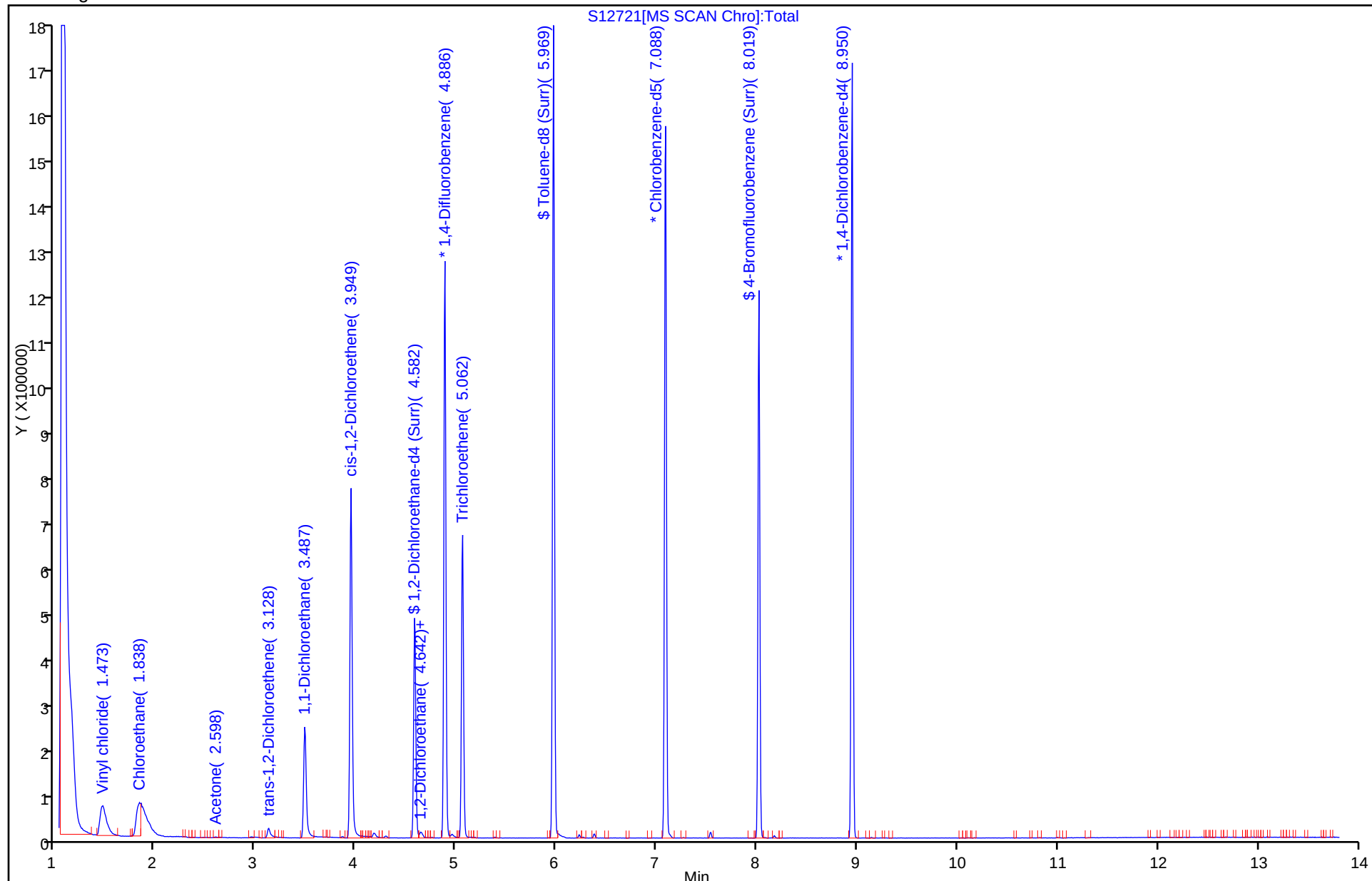
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

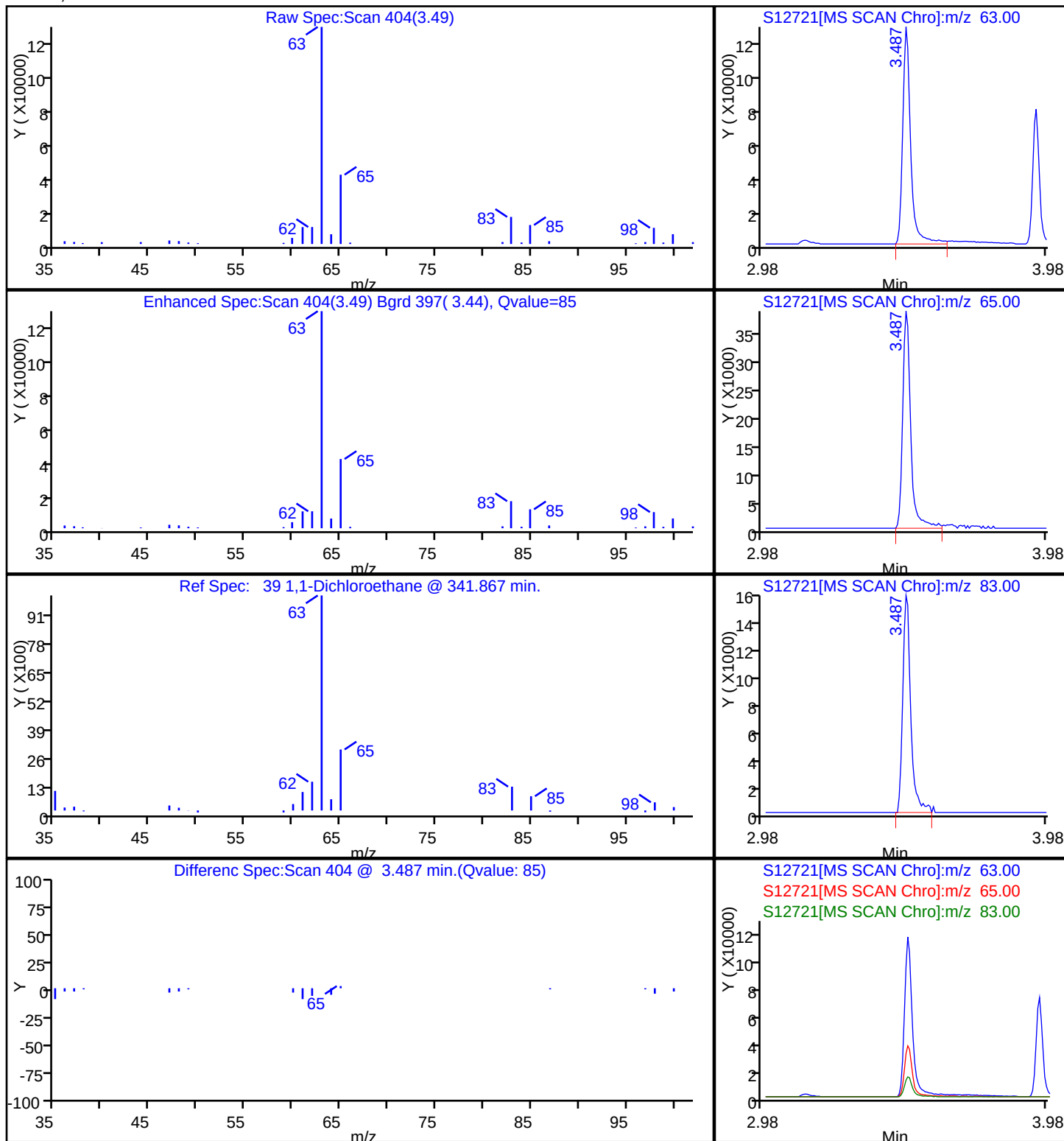
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

39 1,1-Dichloroethane



Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

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Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

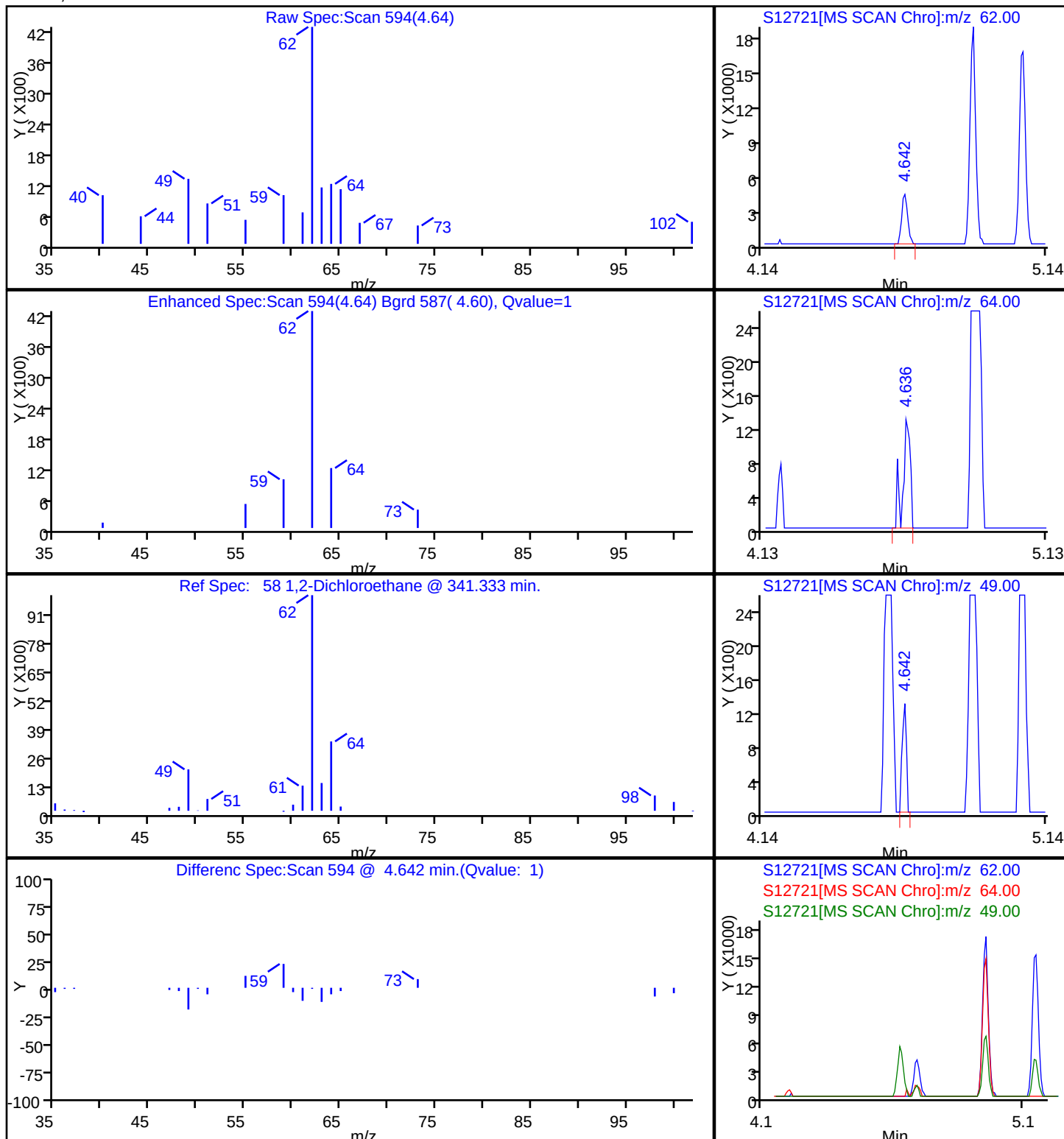
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

58 1,2-Dichloroethane



Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D

Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

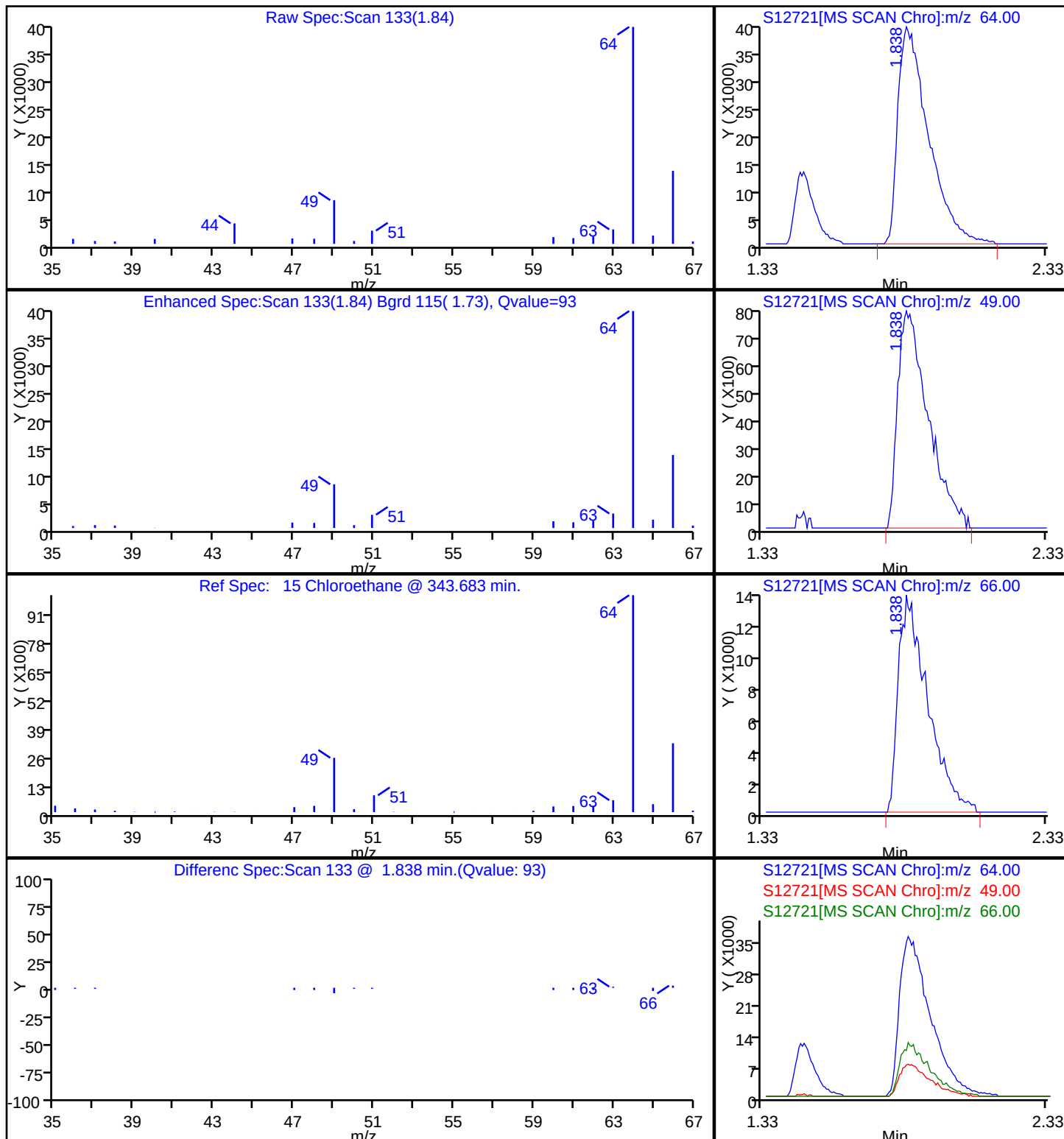
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

15 Chloroethane



Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D

Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

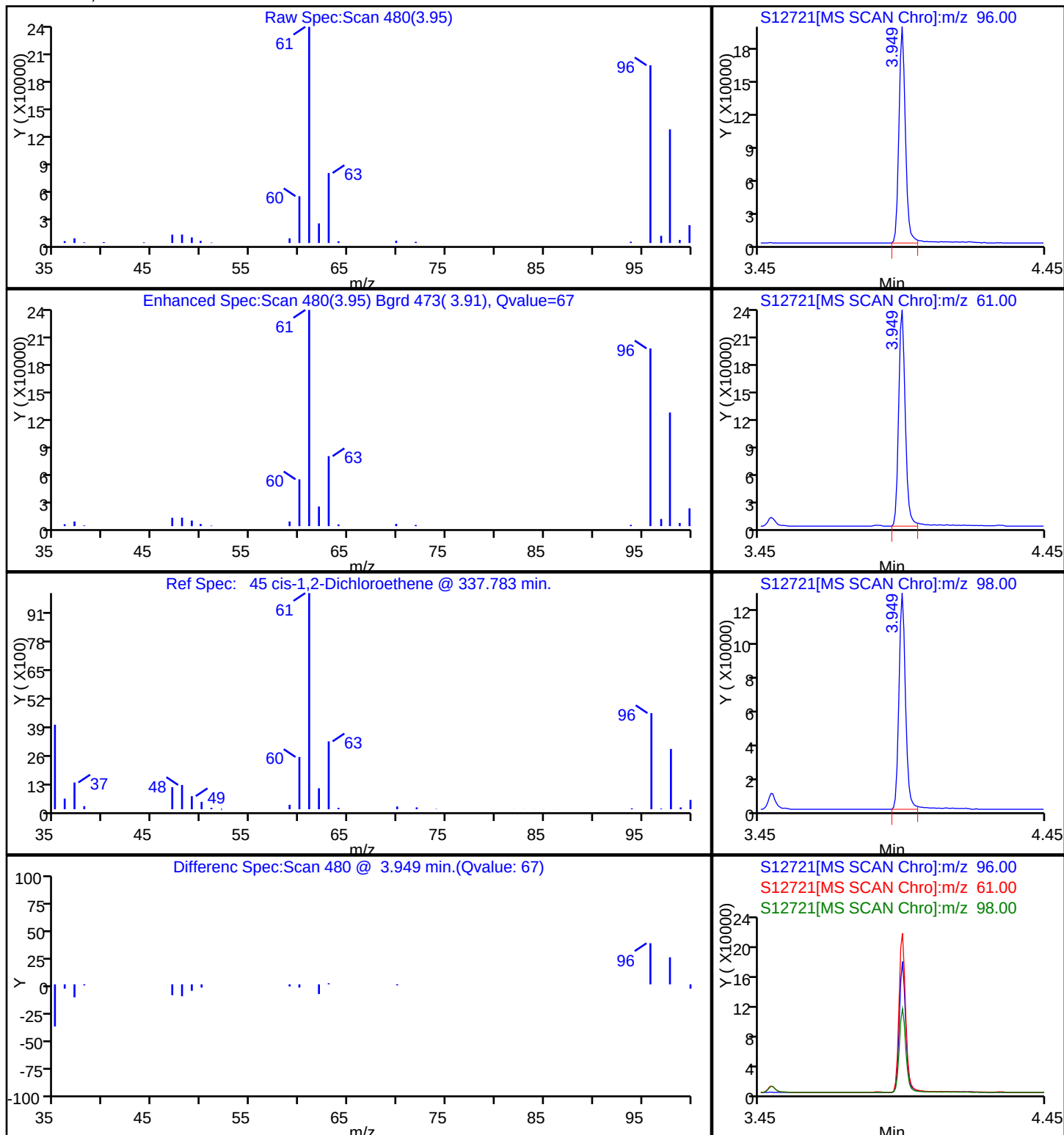
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

45 cis-1,2-Dichloroethene



Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D

Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

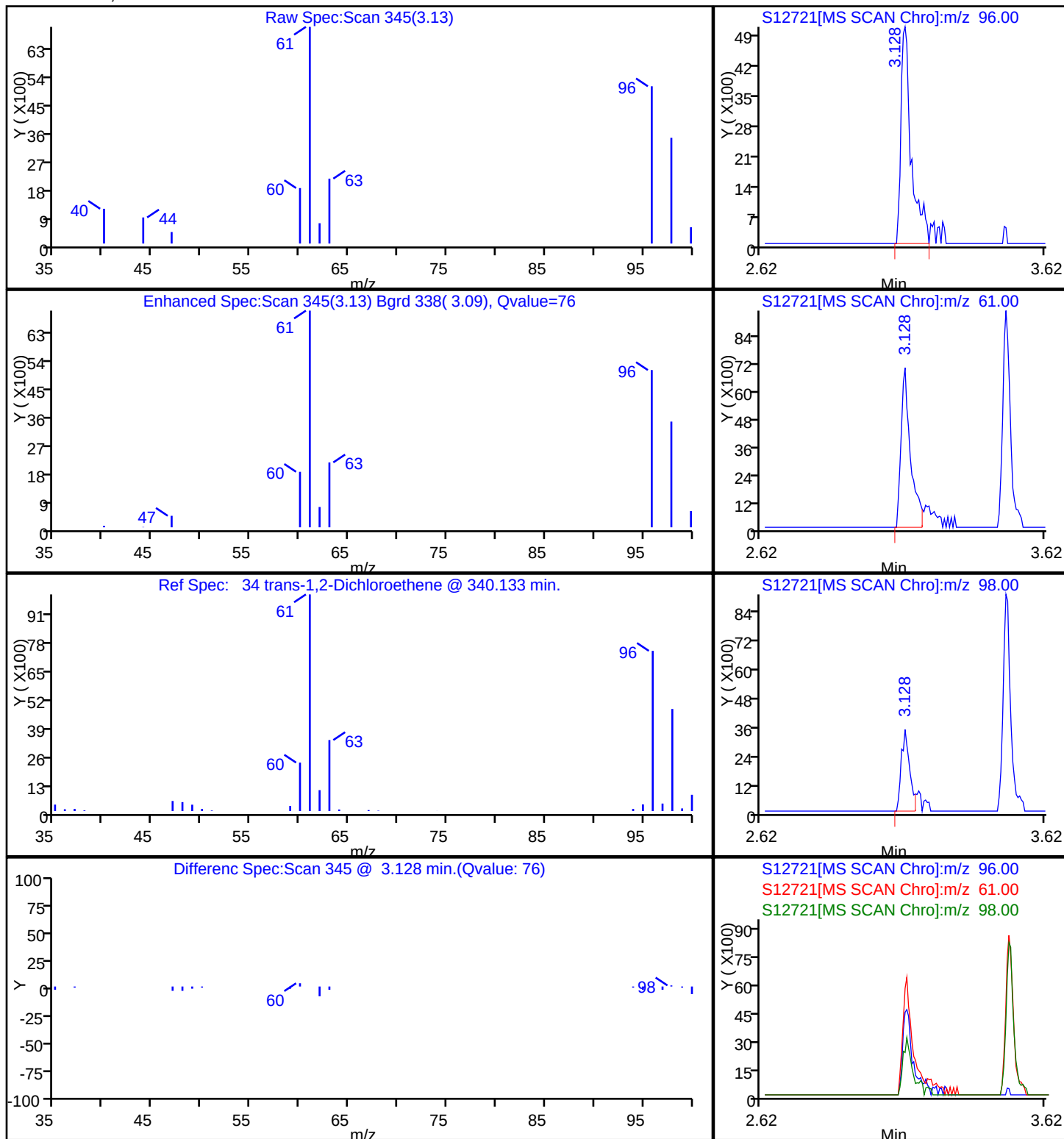
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

34 trans-1,2-Dichloroethene



Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D

Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

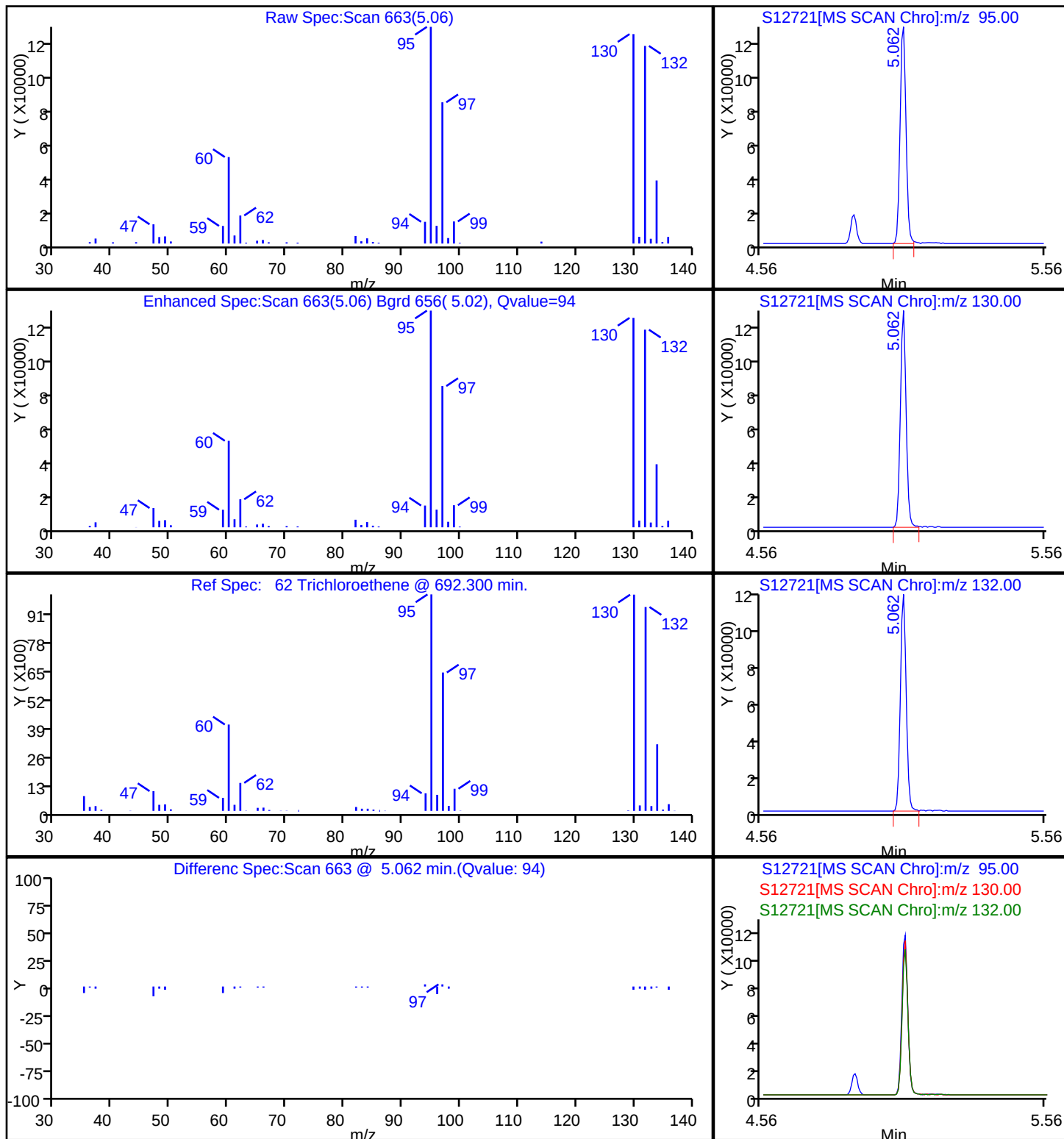
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

62 Trichloroethene



Report Date: 06-Apr-2012 17:37:23

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File:

\\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12721.D

Injection Date: 06-Apr-2012 15:36:30

Limit Group: MV - 8260B ICAL

Client ID: MW-16D

Instrument ID: HP5973S

Lims Batch ID: 58433

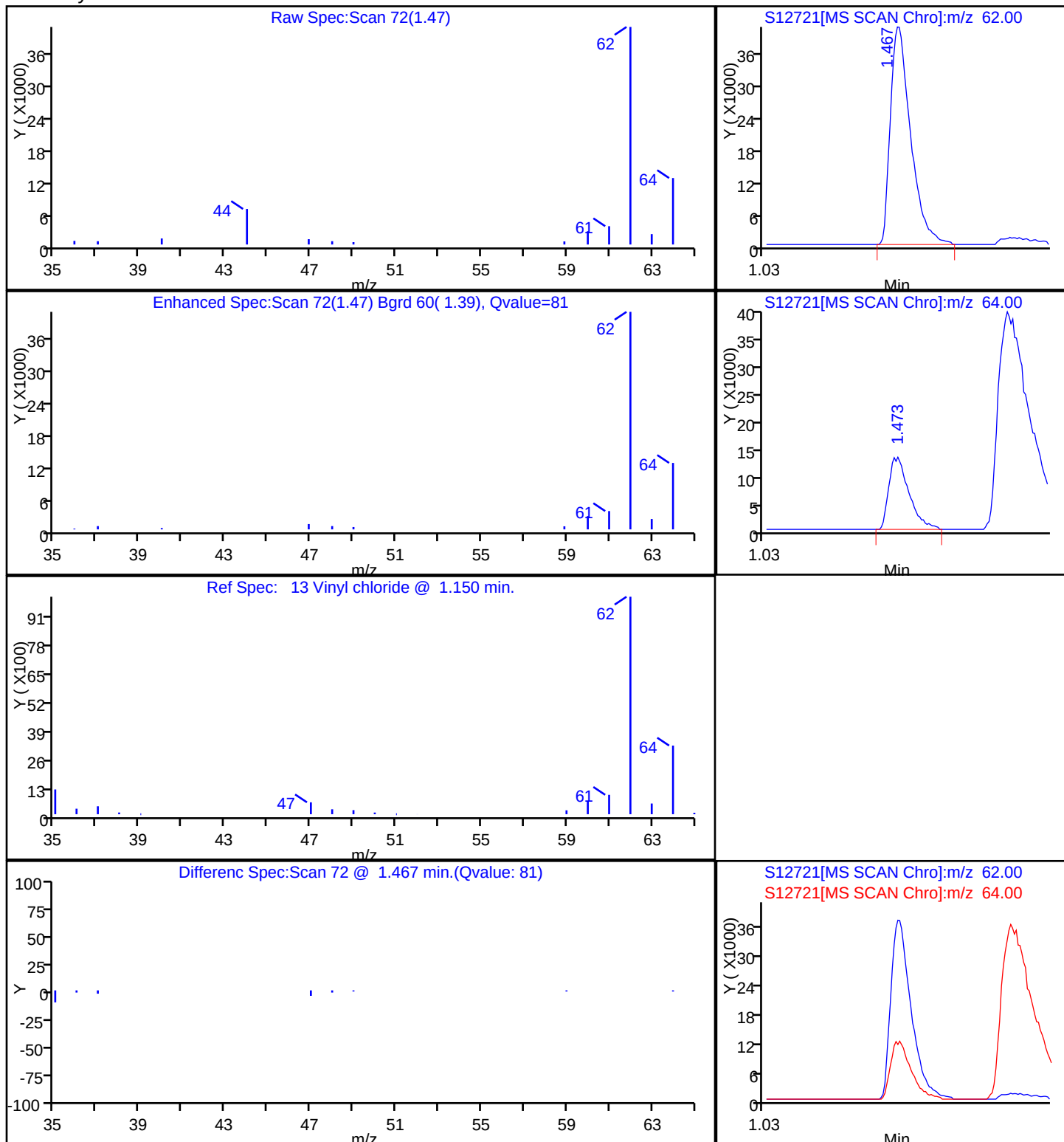
Lims Sample ID: 14

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

13 Vinyl chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-18001-20
 Matrix: Water Lab File ID: S12687.D
 Analysis Method: 8260B Date Collected: 04/02/2012 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 18:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Trip Blank Lab Sample ID: 480-18001-20
 Matrix: Water Lab File ID: S12687.D
 Analysis Method: 8260B Date Collected: 04/02/2012 00:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 18:40
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12687.D
 Lims ID: 480-18001-A-20 Client ID: Trip Blank
 Inject. Date: 05-Apr-2012 18:40:30 Dil. Factor: 1.0000
 Sample Type: Client
 Sample ID: 480-18001-A-20
 Misc. Info.: 480-0010748-022 =480-0010748-022
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 58271 Lims Sample ID: 22
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 08:52:21

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	828104	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	438921	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	375872	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	151562	30.0	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	995225	30.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	266300	27.3	
10 Dichlorodifluoromethane	85		1.217					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.467					
14 Bromomethane	94		1.728					
15 Chloroethane	64		1.868					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.477					
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.116					
39 1,1-Dichloroethane	63		3.481					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78		4.582					
58 1,2-Dichloroethane	62		4.636					
62 Trichloroethene	95		5.056					
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
87 Chlorobenzene	112		7.106					
88 Ethylbenzene	91		7.173					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1		30.000					7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 08:52:21

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12687.D

Injection Date: 05-Apr-2012 18:40:30

Limit Group: MV - 8260B ICAL

Client ID: Trip Blank

Instrument ID: HP5973S

Lims Batch ID: 58271

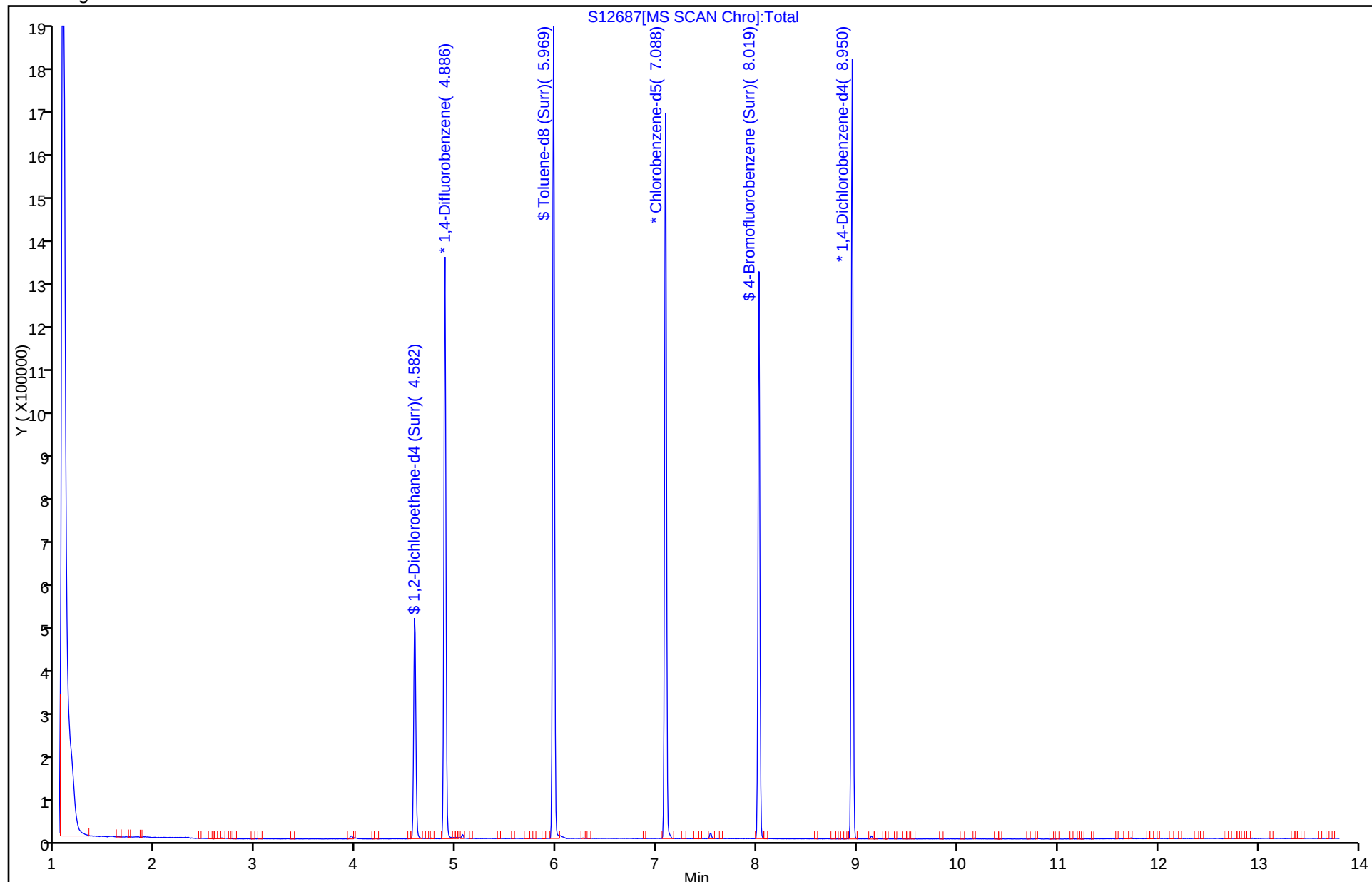
Lims Sample ID: 22

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-56067/3	S12028.D
Level 2	STD 480-56067/4	S12029.D
Level 3	STD 480-56067/5	S12030.D
Level 4	STD 480-56067/6	S12031.D
Level 5	STD 480-56067/7	S12032.D
Level 6	STD 480-56067/8	S12033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2427 0.2631	0.2568	0.2454	0.2552	0.2522	Ave		0.2526				3.0		15.0			
Chloromethane	0.2262 0.3260	0.2361	0.2247	0.2286	0.2147	QuaF		0.1458	0.0018		0.1000				0.9970		0.9900
Vinyl chloride	0.2521 0.2866	0.2505	0.2630	0.2672	0.2707	Ave		0.2650				5.0		30.0			
Bromomethane	0.0965 0.1343	0.0847	0.0812	0.0991	0.0990	QuaF		0.0729	0.0006						0.9990		0.9900
Chloroethane	0.1245 0.1808	0.1099	0.0861	0.1486	0.1632	LinF		0.1751							0.9920		0.9900
Trichlorofluoromethane	0.2596 0.3284	0.3183	0.3045	0.3026	0.2960	Ave		0.3016				7.8		15.0			
Acrolein	0.0260 0.0336	0.0264	0.0241	0.0266	0.0311	Ave		0.0280				13.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1036 0.2414	0.2462	0.2367	0.2480	0.2337	Lin1F		0.2394							0.9980		0.9900
1,1-Dichloroethene	0.2145 0.2758	0.2389	0.2403	0.2531	0.2521	Ave		0.2458				8.2		30.0			
Acetone	0.1059 0.1014	0.0981	0.0934	0.0946	0.0983	Ave		0.0986				4.6		15.0			
Iodomethane	0.2589 0.3096	0.2484	0.2697	0.2668	0.2902	Ave		0.2740				8.1		15.0			
Carbon disulfide	0.5073 0.8216	0.5998	0.5948	0.6907	0.7339	Lin1F		0.7622							0.9900		0.9900
Methyl acetate	0.2955 0.3073	0.2870	0.2746	0.2840	0.2917	Ave		0.2900				3.8		15.0			
Acetonitrile	0.0207 0.0193	0.0192	0.0192	0.0185	0.0191	Ave		0.0193				3.8		15.0			
Methylene Chloride	0.3636 0.3205	0.2936	0.2960	0.3019	0.3046	Ave		0.3134				8.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl tert-butyl ether	0.8246 0.9331	0.8475	0.8306	0.8546	0.9217	Ave		0.8687				5.4		15.0			
trans-1,2-Dichloroethene	0.2217 0.2817	0.2345	0.2316	0.2642	0.2695	Ave		0.2505				9.7		15.0			
Acrylonitrile	0.0944 0.1148	0.1016	0.1000	0.1046	0.1107	Ave		0.1043				7.1		15.0			
1,1-Dichloroethane	0.4115 0.4607	0.4155	0.4206	0.4342	0.4539	Ave		0.4327			0.1000	4.8		15.0			
Vinyl acetate	0.3392 0.5409	0.4307	0.4437	0.4901	0.5224	Lin1F		0.5204							0.9960		0.9900
2,2-Dichloropropane	0.2725 0.3048	0.2738	0.2893	0.2886	0.3067	Ave		0.2893				5.0		15.0			
cis-1,2-Dichloroethene	0.2741 0.3030	0.2713	0.2829	0.2835	0.2892	Ave		0.2840				4.0		15.0			
2-Butanone (MEK)	0.1453 0.1626	0.1442	0.1429	0.1469	0.1543	Ave		0.1494				5.1		15.0			
Bromochloromethane	0.1267 0.1352	0.1184	0.1246	0.1252	0.1286	Ave		0.1265				4.3		15.0			
Tetrahydrofuran	0.0944 0.1020	0.0945	0.0921	0.0951	0.0976	Ave		0.0960				3.6		15.0			
Chloroform	0.4552 0.4873	0.4426	0.4518	0.4536	0.4658	Ave		0.4594				3.4		30.0			
1,1,1-Trichloroethane	0.3172 0.4128	0.3438	0.3694	0.3626	0.3923	Ave		0.3664				9.3		15.0			
Cyclohexane	0.2802 0.4454	0.4093	0.3636	0.4151	0.4254	Ave		0.3898				15.0		15.0			
Carbon tetrachloride	0.2213 0.3289	0.2399	0.2530	0.2928	0.3100	Lin1F		0.3123							0.9940		0.9900
1,1-Dichloropropene	0.3381 0.3795	0.3460	0.3531	0.3593	0.3626	Ave		0.3564				4.0		15.0			
Benzene	1.1052 1.1355	1.0531	1.0754	1.0811	1.0945	Ave		1.0908				2.6		15.0			
1,2-Dichloroethane	0.3867 0.3893	0.3587	0.3702	0.3665	0.3736	Ave		0.3742				3.2		15.0			
Trichloroethene	0.2687 0.2900	0.2601	0.2633	0.2712	0.2770	Ave		0.2717				4.0		15.0			
Methylcyclohexane	0.3057 0.5019	0.4645	0.4315	0.4593	0.4802	Lin1F		0.4849							0.9970		0.9900
1,2-Dichloropropane	0.2353 0.2665	0.2349	0.2418	0.2441	0.2518	Ave		0.2457				4.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromomethane	0.1509 0.1753	0.1490	0.1559	0.1588	0.1666	Ave		0.1594				6.3		15.0			
Bromodichloromethane	0.2423 0.3726	0.2578	0.2812	0.3111	0.3423	Lin1F		0.3482							0.9910		0.9900
2-Chloroethyl vinyl ether	0.1190 0.1858	0.1412	0.1492	0.1605	0.1755	Lin1F		0.1764							0.9940		0.9900
cis-1,3-Dichloropropene	0.2905 0.4634	0.3102	0.3554	0.3910	0.4283	Lin1F		0.4341							0.9910		0.9900
4-Methyl-2-pentanone (MIBK)	0.5182 0.6058	0.5610	0.5627	0.5853	0.5948	Ave		0.5713				5.5		15.0			
Toluene	1.3763 1.4569	1.3348	1.3741	1.3855	1.3969	Ave		1.3874				2.9		30.0			
trans-1,3-Dichloropropene	0.4944 0.8686	0.5466	0.6277	0.7123	0.7894	LinF		0.8438							0.9940		0.9900
Ethyl methacrylate	0.5698 0.9130	0.6597	0.6868	0.7734	0.8471	Lin1F		0.8572							0.9920		0.9900
1,1,2-Trichloroethane	0.3768 0.4473	0.4048	0.4047	0.4112	0.4257	Ave		0.4117				5.7		15.0			
Tetrachloroethene	0.5067 0.5482	0.5028	0.5013	0.5238	0.5203	Ave		0.5172				3.4		15.0			
1,3-Dichloropropane	0.8637 0.9485	0.8484	0.8655	0.8770	0.9035	Ave		0.8844				4.1		15.0			
2-Hexanone	0.3747 0.4605	0.4084	0.4121	0.4326	0.4447	Ave		0.4222				7.2		15.0			
Dibromochloromethane	0.2713 0.5090	0.2877	0.3350	0.3921	0.4522	LinF		0.4910							0.9910		0.9900
1,2-Dibromoethane	0.4544 0.5414	0.4499	0.4700	0.4894	0.5123	Ave		0.4862				7.3		15.0			
Chlorobenzene	1.5050 1.5907	1.4445	1.4683	1.4817	1.5166	Ave		1.5011			0.3000	3.4		15.0			
Ethylbenzene	2.5727 2.7564	2.5434	2.5871	2.6628	2.6627	Ave		2.6309				3.0		30.0			
1,1,1,2-Tetrachloroethane	0.3554 0.4996	0.3713	0.4071	0.4454	0.4726	Ave		0.4253				13.0		15.0			
m,p-Xylene	0.9839 1.0539	0.9550	0.9925	1.0139	1.0149	Ave		1.0024				3.3		15.0			
o-Xylene	0.9195 1.0482	0.9391	0.9567	0.9792	1.0023	Ave		0.9742				4.8		15.0			
Styrene	1.2883 1.7647	1.3659	1.4717	1.5847	1.6482	Ave		1.5206				12.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	0.1276 0.3430	0.1512	0.1731	0.2260	0.2833	QuaF		0.2041	0.0014		0.1000				0.9990		0.9900
Isopropylbenzene	2.6153 3.0018	2.6737	2.7782	2.8570	2.9076	Ave		2.8056				5.2		15.0			
Bromobenzene	0.6425 0.7120	0.6269	0.6468	0.6625	0.6897	Ave		0.6634				4.8		15.0			
1,1,2,2-Tetrachloroethane	0.6832 0.8367	0.6968	0.7434	0.7615	0.8008	Ave		0.7537			0.3000	7.8		15.0			
N-Propylbenzene	3.1691 3.6510	3.2526	3.3205	3.4879	3.5707	Ave		3.4086				5.6		15.0			
1,2,3-Trichloropropane	0.2471 0.2551	0.2418	0.2474	0.2538	0.2562	Ave		0.2502				2.3		15.0			
trans-1,4-Dichloro-2-butene	0.0329 0.1628	0.0436	0.0636	0.0999	0.1432	QuaF		0.1012	0.0001						0.9960		0.9900
2-Chlorotoluene	0.5989 0.6814	0.6275	0.6326	0.6433	0.6556	Ave		0.6399				4.3		15.0			
1,3,5-Trimethylbenzene	2.2255 2.5693	2.2822	2.3351	2.4181	2.4715	Ave		2.3836				5.3		15.0			
4-Chlorotoluene	0.6469 0.7195	0.6529	0.6680	0.6747	0.6907	Ave		0.6755				3.9		15.0			
tert-Butylbenzene	0.4979 0.5375	0.4791	0.4867	0.5111	0.5228	Ave		0.5059				4.4		15.0			
1,2,4-Trimethylbenzene	2.2692 2.6498	2.2688	2.3604	2.4534	2.5261	Ave		2.4213				6.2		15.0			
sec-Butylbenzene	2.7479 3.2239	2.7834	2.9030	3.0264	3.0995	Ave		2.9640				6.3		15.0			
1,3-Dichlorobenzene	1.3264 1.3749	1.2578	1.2729	1.3021	1.3220	Ave		1.3093				3.2		15.0			
4-Isopropyltoluene	2.2225 2.6228	2.3043	2.3531	2.4847	2.5218	Ave		2.4182				6.2		15.0			
1,4-Dichlorobenzene	1.4263 1.4439	1.3160	1.3075	1.3501	1.3714	Ave		1.3692				4.1		15.0			
n-Butylbenzene	2.1359 2.6125	2.1868	2.2916	2.4288	2.4797	Ave		2.3559				7.8		15.0			
1,2-Dichlorobenzene	1.2742 1.3754	1.2220	1.2397	1.2693	1.3107	Ave		1.2819				4.3		15.0			
1,2-Dibromo-3-Chloropropane	0.0903 0.1892	0.1009	0.1157	0.1384	0.1647	QuaF		0.1304	0.0006						0.9990		0.9900
1,2,4-Trichlorobenzene	0.9264 1.0414	0.8836	0.9165	0.9657	0.9856	Ave		0.9532				5.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.1704 0.2061	0.1707	0.1800	0.1926	0.1955	Ave		0.1859				7.8		15.0			
Naphthalene	1.2654 1.4624	1.1407	1.2351	1.3144	1.3704	Ave		1.2981				8.6		15.0			
1,2,3-Trichlorobenzene	0.3983 0.4592	0.3821	0.4071	0.4264	0.4314	Ave		0.4174				6.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.1286 0.1611	0.1484	0.1329	0.1773	0.1666	Ave		0.1525				13.0		15.0			
Toluene-d8 (Surr)	1.5844 1.9825	1.8111	1.5397	2.2363	2.0590	Ave		1.8688				15.0		15.0			
4-Bromofluorobenzene (Surr)	0.4841 0.6112	0.5247	0.4565	0.6455	0.6124	Ave		0.5557				14.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 480-56067/3	S12028.D
Level 2	STD 480-56067/4	S12029.D
Level 3	STD 480-56067/5	S12030.D
Level 4	STD 480-56067/6	S12031.D
Level 5	STD 480-56067/7	S12032.D
Level 6	STD 480-56067/8	S12033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	DFB	Ave	11014 1193822	57894	110222	284258	573888	1.00 100	5.00	10.0	25.0	50.0
Chloromethane	DFB	QuaF	10268 1479044	53224	100938	254700	488519	1.00 100	5.00	10.0	25.0	50.0
Vinyl chloride	DFB	Ave	11442 1300306	56459	118142	297640	616042	1.00 100	5.00	10.0	25.0	50.0
Bromomethane	DFB	QuaF	4379 609420	19094	36493	110361	225217	1.00 100	5.00	10.0	25.0	50.0
Chloroethane	DFB	LinF	5650 820372	24774	38657	165503	371506	1.00 100	5.00	10.0	25.0	50.0
Trichlorofluoromethane	DFB	Ave	11784 1489687	71755	136783	337126	673721	1.00 100	5.00	10.0	25.0	50.0
Acrolein	DFB	Ave	23628 3045570	119073	216869	592580	1417825	20.0 2000	100	200	500	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	DFB	Lin1F	4703 1094973	55491	106318	276281	531770	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloroethene	DFB	Ave	9736 1251336	53852	107944	281975	573791	1.00 100	5.00	10.0	25.0	50.0
Acetone	DFB	Ave	24023 2299040	110589	209766	526830	1118114	5.00 500	25.0	50.0	125	250
Iodomethane	DFB	Ave	11753 1404731	55987	121161	297259	660422	1.00 100	5.00	10.0	25.0	50.0
Carbon disulfide	DFB	Lin1F	23028 3727543	135193	267177	769390	1670240	1.00 100	5.00	10.0	25.0	50.0
Methyl acetate	DFB	Ave	13413 1394012	64696	123344	316409	663974	1.00 100	5.00	10.0	25.0	50.0
Acetonitrile	DFB	Ave	37520 3502183	173088	344251	822952	1734582	40.0 4000	200	400	1000	2000
Methylene Chloride	DFB	Ave	16503 1453826	66180	132975	336303	693180	1.00 100	5.00	10.0	25.0	50.0
Methyl tert-butyl ether	DFB	Ave	37427 4233400	191029	373100	951991	2097555	1.00 100	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
trans-1,2-Dichloroethene	DFB	Ave	10065 1278149	52857	104017	294273	613329	1.00 100	5.00	10.0	25.0	50.0
Acrylonitrile	DFB	Ave	21427 2604187	114540	224545	582629	1259311	5.00 500	25.0	50.0	125	250
1,1-Dichloroethane	DFB	Ave	18677 2090140	93657	188917	483664	1032940	1.00 100	5.00	10.0	25.0	50.0
Vinyl acetate	DFB	Lin1F	76972 12270337	485473	996538	2729769	5944372	5.00 500	25.0	50.0	125	250
2,2-Dichloropropane	DFB	Ave	12370 1382801	61707	129973	321546	698047	1.00 100	5.00	10.0	25.0	50.0
cis-1,2-Dichloroethene	DFB	Ave	12442 1374703	61148	127088	315791	658110	1.00 100	5.00	10.0	25.0	50.0
2-Butanone (MEK)	DFB	Ave	32980 3687947	162479	320948	818275	1756032	5.00 500	25.0	50.0	125	250
Bromochloromethane	DFB	Ave	5752 613475	26698	55973	139504	292720	1.00 100	5.00	10.0	25.0	50.0
Tetrahydrofuran	DFB	Ave	21423 2313147	106477	206872	529824	1111082	5.00 500	25.0	50.0	125	250
Chloroform	DFB	Ave	20659 2210559	99763	202962	505326	1060136	1.00 100	5.00	10.0	25.0	50.0
1,1,1-Trichloroethane	DFB	Ave	14399 1873002	77499	165936	403890	892787	1.00 100	5.00	10.0	25.0	50.0
Cyclohexane	DFB	Ave	12716 2020540	92270	163341	462462	968250	1.00 100	5.00	10.0	25.0	50.0
Carbon tetrachloride	DFB	Lin1F	10046 1492027	54066	113642	326135	705523	1.00 100	5.00	10.0	25.0	50.0
1,1-Dichloropropene	DFB	Ave	15346 1721873	77984	158592	400203	825213	1.00 100	5.00	10.0	25.0	50.0
Benzene	DFB	Ave	50162 5151282	237372	483069	1204293	2490795	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane	DFB	Ave	17554 1766072	80851	166310	408289	850230	1.00 100	5.00	10.0	25.0	50.0
Trichloroethene	DFB	Ave	12198 1315528	58633	118255	302131	630488	1.00 100	5.00	10.0	25.0	50.0
Methylcyclohexane	DFB	Lin1F	13877 2277005	104694	193807	511595	1092762	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloropropane	DFB	Ave	10678 1209045	52947	108621	271902	573101	1.00 100	5.00	10.0	25.0	50.0
Dibromomethane	DFB	Ave	6849 795151	33576	70049	176930	379083	1.00 100	5.00	10.0	25.0	50.0
Bromodichloromethane	DFB	Lin1F	10996 1690536	58105	126320	346578	779003	1.00 100	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
2-Chloroethyl vinyl ether	DFB	Lin1F	26996 4215402	159157	335136	894006	1996993	5.00 500	25.0	50.0	125	250
cis-1,3-Dichloropropene	DFB	Lin1F	13184 2102144	69930	159665	435597	974651	1.00 100	5.00	10.0	25.0	50.0
4-Methyl-2-pentanone (MIBK)	CBZ	Ave	59390 7080554	324629	646849	1666753	3481903	5.00 500	25.0	50.0	125	250
Toluene	CBZ	Ave	31546 3405477	154488	315894	789118	1635552	1.00 100	5.00	10.0	25.0	50.0
trans-1,3-Dichloropropene	CBZ	LinF	11331 2030373	63263	144318	405712	924239	1.00 100	5.00	10.0	25.0	50.0
Ethyl methacrylate	CBZ	Lin1F	13060 2134201	76350	157885	440475	991873	1.00 100	5.00	10.0	25.0	50.0
1,1,2-Trichloroethane	CBZ	Ave	8637 1045474	46849	93036	234189	498472	1.00 100	5.00	10.0	25.0	50.0
Tetrachloroethene	CBZ	Ave	11614 1281412	58187	115247	298349	609217	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichloropropane	CBZ	Ave	19797 2217191	98189	198976	499478	1057868	1.00 100	5.00	10.0	25.0	50.0
2-Hexanone	CBZ	Ave	42946 5382007	236336	473685	1231889	2603204	5.00 500	25.0	50.0	125	250
Dibromochloromethane	CBZ	LinF	6219 1189723	33293	77014	223321	529423	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromoethane	CBZ	Ave	10415 1265557	52070	108047	278717	599848	1.00 100	5.00	10.0	25.0	50.0
Chlorobenzene	CBZ	Ave	34496 3718139	167180	337552	843907	1775678	1.00 100	5.00	10.0	25.0	50.0
Ethylbenzene	CBZ	Ave	58969 6442994	294365	594761	1516588	3117680	1.00 100	5.00	10.0	25.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	8147 1167766	42978	93598	253678	553374	1.00 100	5.00	10.0	25.0	50.0
m,p-Xylene	CBZ	Ave	45103 4927038	221056	456351	1154928	2376665	2.00 200	10.0	20.0	50.0	100
o-Xylene	CBZ	Ave	21075 2450203	108685	219950	557701	1173534	1.00 100	5.00	10.0	25.0	50.0
Styrene	CBZ	Ave	29530 4124911	158081	338345	902535	1929836	1.00 100	5.00	10.0	25.0	50.0
Bromoform	CBZ	QuaF	2924 801657	17502	39789	128696	331731	1.00 100	5.00	10.0	25.0	50.0
Isopropylbenzene	DCB	Ave	53828 6521834	278677	583482	1495243	3106571	1.00 100	5.00	10.0	25.0	50.0
Bromobenzene	DCB	Ave	13223 1546866	65345	135841	346752	736939	1.00 100	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,2,2-Tetrachloroethane	DCB	Ave	14062 1817812	72632	156124	398519	855544	1.00 100	5.00	10.0	25.0	50.0
N-Propylbenzene	DCB	Ave	65227 7932322	339019	697374	1825429	3815015	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichloropropane	DCB	Ave	5086 554155	25205	51964	132818	273743	1.00 100	5.00	10.0	25.0	50.0
trans-1,4-Dichloro-2-butene	DCB	QuaF	3388 1768053	22734	66834	261401	764999	5.00 500	25.0	50.0	125	250
2-Chlorotoluene	DCB	Ave	12326 1480503	65410	132861	336673	700467	1.00 100	5.00	10.0	25.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	45805 5582207	237872	490411	1265565	2640598	1.00 100	5.00	10.0	25.0	50.0
4-Chlorotoluene	DCB	Ave	13314 1563265	68055	140303	353091	738000	1.00 100	5.00	10.0	25.0	50.0
tert-Butylbenzene	DCB	Ave	10247 1167886	49941	102207	267490	558609	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trimethylbenzene	DCB	Ave	46705 5757054	236481	495723	1284006	2698902	1.00 100	5.00	10.0	25.0	50.0
sec-Butylbenzene	DCB	Ave	56557 7004297	290117	609688	1583908	3311589	1.00 100	5.00	10.0	25.0	50.0
1,3-Dichlorobenzene	DCB	Ave	27299 2987076	131098	267339	681487	1412500	1.00 100	5.00	10.0	25.0	50.0
4-Isopropyltoluene	DCB	Ave	45743 5698301	240177	494197	1300406	2694302	1.00 100	5.00	10.0	25.0	50.0
1,4-Dichlorobenzene	DCB	Ave	29357 3137099	137171	274606	706579	1465216	1.00 100	5.00	10.0	25.0	50.0
n-Butylbenzene	DCB	Ave	43961 5675949	227927	481276	1271135	2649365	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichlorobenzene	DCB	Ave	26225 2988243	127374	260352	664307	1400336	1.00 100	5.00	10.0	25.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	QuaF	1859 410963	10520	24294	72444	175987	1.00 100	5.00	10.0	25.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	19068 2262606	92094	192483	505396	1053063	1.00 100	5.00	10.0	25.0	50.0
Hexachlorobutadiene	DFB	Ave	7734 934893	38481	80857	214542	444927	1.00 100	5.00	10.0	25.0	50.0
Naphthalene	DFB	Ave	57437 6634415	257134	554816	1464183	3118862	1.00 100	5.00	10.0	25.0	50.0
1,2,3-Trichlorobenzene	DFB	Ave	18077 2083343	86138	182861	474951	981899	1.00 100	5.00	10.0	25.0	50.0
1,2-Dichloroethane-d4 (Surr)	DFB	Ave	5837 730848	33446	59703	197474	379058	1.00 100	5.00	10.0	25.0	50.0

FORM VI
GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1 Analy Batch No.: 56067

SDG No.: _____

Instrument ID: HP5973S GC Column: ZB-624 (60) ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/21/2012 00:06 Calibration End Date: 03/21/2012 01:54 Calibration ID: 7136

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	36315 4634028	209606	353982	1273660	2410840	1.00 100	5.00	10.0	25.0	50.0
4-Bromofluorobenzene (Surr)	CBZ	Ave	11096 1428575	60731	104959	367634	717007	1.00 100	5.00	10.0	25.0	50.0

Curve Type Legend:

Ave = Average ISTD
Lin1F = Linear 1/conc ISTD forced zero
LinF = Linear ISTD forced zero
QuaF = Quadratic ISTD forced zero

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12028.D
 Lims ID: STD Client ID:
 Inject. Date: 21-Mar-2012 00:06:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 1
 Sample ID: STD
 Misc. Info.: 480-0010350-003 =480-0010350-003
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 8
 Lims Batch ID: 56067 Lims Sample ID: 3
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
 Last Update: 21-Mar-2012 10:04:02 Calib Date: 21-Mar-2012 00:06:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12028.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Mar-2012 09:57:05

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	94	1134726	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	85	573023	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	514551	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.588	0.0	42	5837	1.00	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	68	36315	1.00	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.025	8.025	0.0	76	11096	1.00	
10 Dichlorodifluoromethane	85	1.218	1.217	0.001	45	11014	1.00	
12 Chloromethane	50	1.364	1.382	-0.018	58	10268	1.00	
13 Vinyl chloride	62	1.461	1.461	0.0	24	11442	1.00	
14 Bromomethane	94	1.741	1.747	-0.006	34	4379	1.00	
15 Chloroethane	64	1.856	1.820	0.036	1	5650	1.00	
17 Trichlorofluoromethane	101	1.984	2.002	-0.018	35	11784	1.00	
20 Acrolein	56	2.440	2.440	0.0	82	23628	20.0	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.453	2.452	0.001	1	4703	1.00	
22 1,1-Dichloroethene	96	2.483	2.477	0.006	52	9736	1.00	M
23 Acetone	43	2.592	2.592	0.0	91	24023	5.00	
25 Iodomethane	142	2.647	2.635	0.012	16	11753	1.00	
26 Carbon disulfide	76	2.653	2.659	-0.006	74	23028	1.00	
27 Methyl acetate	43	2.854	2.854	0.0	90	13413	1.00	
29 Acetonitrile	40	2.891	2.884	0.007	99	37520	40.0	
30 Methylene Chloride	84	2.964	2.982	-0.018	47	16503	1.00	
34 trans-1,2-Dichloroethene	96	3.116	3.122	-0.006	32	10065	1.00	
32 Methyl tert-butyl ether	73	3.122	3.115	0.007	83	37427	1.00	
33 Acrylonitrile	53	3.195	3.195	0.0	96	21427	5.00	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	58	18677	1.00	
37 Vinyl acetate	43	3.541	3.541	0.0	97	76972	5.00	
44 2,2-Dichloropropane	77	3.925	3.925	0.0	75	12370	1.00	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	50	12442	1.00	
43 2-Butanone (MEK)	43	4.004	3.998	0.006	96	32980	5.00	
48 Chlorobromomethane	128	4.144	4.144	0.0	72	5752	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.174	4.168	0.006	83	21423	5.00	
50 Chloroform	83	4.205	4.204	0.001	69	20659	1.00	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	74	14399	1.00	
52 Cyclohexane	56	4.296	4.296	0.0	73	12716	1.00	
55 Carbon tetrachloride	117	4.405	4.405	0.0	67	10046	1.00	
54 1,1-Dichloropropene	75	4.418	4.417	0.001	84	15346	1.00	
57 Benzene	78	4.588	4.588	0.0	95	50162	1.00	
58 1,2-Dichloroethane	62	4.643	4.642	0.001	67	17554	1.00	
62 Trichloroethene	95	5.062	5.062	0.0	82	12198	1.00	
64 Methylcyclohexane	83	5.154	5.153	0.001	77	13877	1.00	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	77	10678	1.00	
67 Dibromomethane	93	5.360	5.360	0.0	74	6849	1.00	
68 Dichlorobromomethane	83	5.476	5.476	0.0	71	10996	1.00	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	87	26996	5.00	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	61	13184	1.00	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.0	94	59390	5.00	
74 Toluene	92	6.017	6.023	-0.006	97	31546	1.00	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	68	11331	1.00	
75 Ethyl methacrylate	69	6.267	6.267	0.0	52	13060	1.00	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	74	8637	1.00	
81 Tetrachloroethene	166	6.419	6.419	0.0	75	11614	1.00	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	78	19797	1.00	
80 2-Hexanone	43	6.553	6.553	0.0	95	42946	5.00	
83 Chlorodibromomethane	129	6.675	6.674	0.001	54	6219	1.00	
84 Ethylene Dibromide	107	6.760	6.760	0.0	70	10415	1.00	
87 Chlorobenzene	112	7.113	7.112	0.001	44	34496	1.00	
88 Ethylbenzene	91	7.179	7.179	0.0	95	58969	1.00	
89 1,1,1,2-Tetrachloroethane	131	7.186	7.179	0.007	20	8147	1.00	
90 m-Xylene & p-Xylene	106	7.265	7.264	0.001	98	45103	2.00	
91 o-Xylene	106	7.587	7.587	0.0	90	21075	1.00	
92 Styrene	104	7.605	7.605	0.0	79	29530	1.00	
95 Bromoform	173	7.794	7.794	0.0	54	2924	1.00	
94 Isopropylbenzene	105	7.867	7.867	0.0	92	53828	1.00	
101 Bromobenzene	156	8.141	8.141	0.0	91	13223	1.00	
97 1,1,2,2-Tetrachloroethane	83	8.177	8.177	0.0	67	14062	1.00	
99 N-Propylbenzene	91	8.201	8.201	0.0	95	65227	1.00	
100 1,2,3-Trichloropropane	110	8.208	8.207	0.001	45	5086	1.00	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.220	-0.006	47	3388	5.00	
103 2-Chlorotoluene	126	8.287	8.287	0.0	90	12326	1.00	
102 1,3,5-Trimethylbenzene	105	8.341	8.341	0.0	86	45805	1.00	
105 4-Chlorotoluene	126	8.378	8.378	0.0	91	13314	1.00	
106 tert-Butylbenzene	134	8.603	8.603	0.0	80	10247	1.00	
107 1,2,4-Trimethylbenzene	105	8.646	8.645	0.001	54	46705	1.00	
109 sec-Butylbenzene	105	8.779	8.779	0.0	85	56557	1.00	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	92	45743	1.00	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	70	27299	1.00	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	60	29357	1.00	
115 n-Butylbenzene	91	9.236	9.236	0.0	88	43961	1.00	
116 1,2-Dichlorobenzene	146	9.284	9.284	0.0	89	26225	1.00	
117 1,2-Dibromo-3-Chloropropane	75	9.960	9.953	0.007	5	1859	1.00	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	80	19068	1.00	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	64	7734	1.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	92	57437	1.00	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	83	18077	1.00	
S 125 1,2-Dichloroethene, Total	1				0		2.00	
S 126 1,3-Dichloropropene, Total	1				0		2.00	
S 123 Total BTEX	1				0		6.00	
S 124 Xylenes, Total	1				0		3.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Mar-2012 10:04:03

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12028.D

Injection Date: 21-Mar-2012 00:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 56067

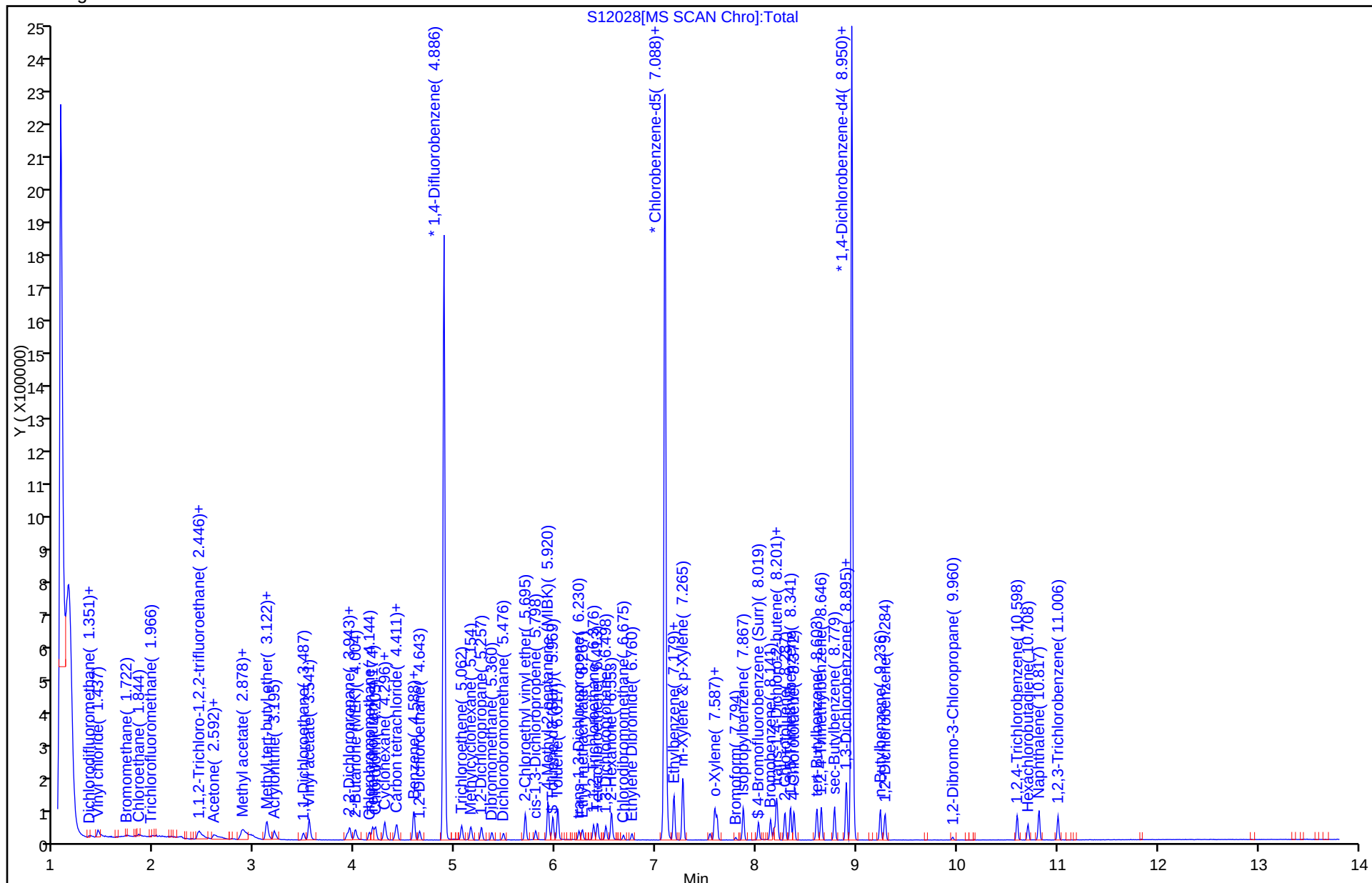
Lims Sample ID: 3

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

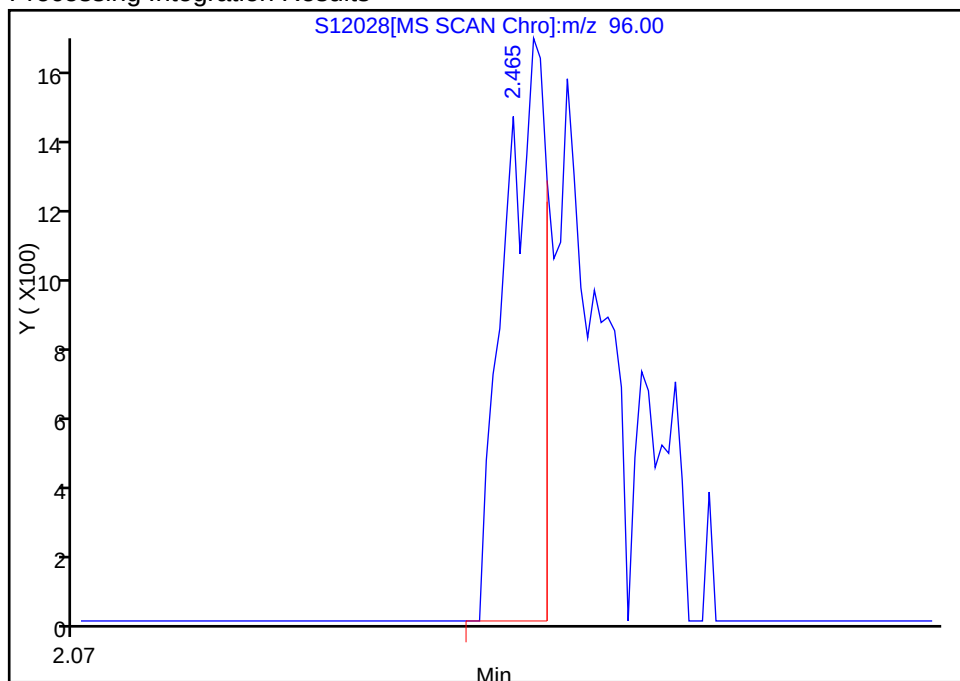


Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12028.D
Injection Date: 21-Mar-2012 00:06:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973S
Lims Batch ID: 56067 Lims Sample ID: 3
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm

22,1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 2.48

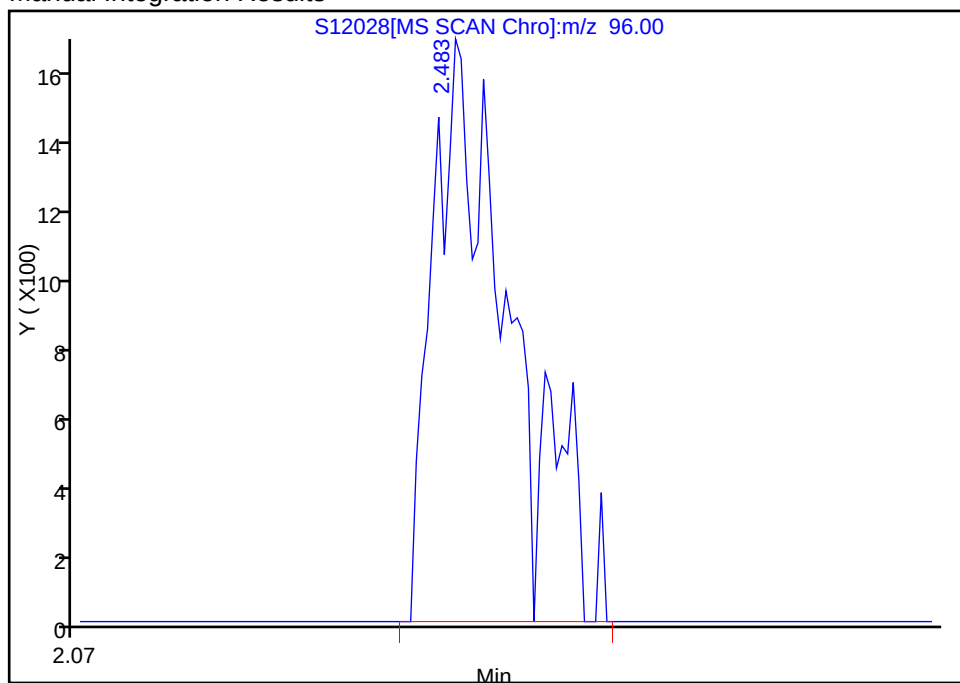
RT: 2.46
Response: 4136
Amount: 0.404572

Processing Integration Results



RT: 2.48
Response: 9736
Amount: 1.000000

Manual Integration Results



Reviewer: coderd, 21-Mar-2012 09:57:05
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12029.D
 Lims ID: STD-2 Client ID:
 Inject. Date: 21-Mar-2012 00:28:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 2
 Sample ID: STD-2
 Misc. Info.: 480-0010350-004 =480-0010350-004
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 9
 Lims Batch ID: 56067 Lims Sample ID: 4
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
 Last Update: 21-Mar-2012 10:04:05 Calib Date: 21-Mar-2012 00:28:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12029.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Mar-2012 09:57:57

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	94	1127058	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	86	578679	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	521154	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.588	0.0	52	33446	5.36	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	75	209606	5.33	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.025	-0.006	80	60731	5.20	
10 Dichlorodifluoromethane	85	1.230	1.217	0.013	77	57894	5.14	
12 Chloromethane	50	1.382	1.382	0.0	85	53224	5.11	
13 Vinyl chloride	62	1.467	1.461	0.006	63	56459	4.98	
14 Bromomethane	94	1.747	1.747	0.0	63	19094	4.68	
15 Chloroethane	64	1.875	1.820	0.055	52	24774	4.69	
17 Trichlorofluoromethane	101	2.002	2.002	0.0	72	71755	5.51	
20 Acrolein	56	2.440	2.440	0.0	96	119073	100.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.447	2.452	-0.005	23	55491	7.04	
22 1,1-Dichloroethene	96	2.483	2.477	0.006	83	53852	5.27	
23 Acetone	43	2.593	2.592	0.001	98	110589	24.1	
25 Iodomethane	142	2.647	2.635	0.012	33	55987	4.90	
26 Carbon disulfide	76	2.659	2.659	0.0	83	135193	5.42	
27 Methyl acetate	43	2.854	2.854	0.0	94	64696	4.93	
29 Acetonitrile	40	2.872	2.884	-0.012	99	173088	192.6	
30 Methylene Chloride	84	2.970	2.982	-0.012	68	66180	4.47	
32 Methyl tert-butyl ether	73	3.116	3.115	0.001	88	191029	5.07	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	44	52857	5.14	
33 Acrylonitrile	53	3.195	3.195	0.0	97	114540	25.9	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	84	93657	5.02	
37 Vinyl acetate	43	3.542	3.541	0.001	97	485473	28.0	
44 2,2-Dichloropropane	77	3.925	3.925	0.0	89	61707	5.01	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	66	61148	4.97	
43 2-Butanone (MEK)	43	3.998	3.998	0.0	98	162479	24.9	
48 Chlorobromomethane	128	4.144	4.144	0.0	85	26698	4.83	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.168	4.168	0.0	81	106477	25.0	
50 Chloroform	83	4.205	4.204	0.001	69	99763	4.93	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	82	77499	5.20	
52 Cyclohexane	56	4.296	4.296	0.0	86	92270	5.94	
55 Carbon tetrachloride	117	4.405	4.405	0.0	79	54066	5.20	
54 1,1-Dichloropropene	75	4.418	4.417	0.001	95	77984	5.06	
57 Benzene	78	4.588	4.588	0.0	96	237372	4.88	
58 1,2-Dichloroethane	62	4.643	4.642	0.001	75	80851	4.81	
62 Trichloroethene	95	5.062	5.062	0.0	92	58633	4.92	
64 Methylcyclohexane	83	5.154	5.153	0.001	85	104694	6.03	
65 1,2-Dichloropropane	63	5.263	5.257	0.006	90	52947	5.00	
67 Dibromomethane	93	5.361	5.360	0.001	83	33576	4.97	
68 Dichlorobromomethane	83	5.476	5.476	0.0	85	58105	5.16	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	92	159157	27.1	
72 cis-1,3-Dichloropropene	75	5.799	5.798	0.001	87	69930	5.16	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.0	94	324629	26.0	
74 Toluene	92	6.024	6.023	0.001	86	154488	4.92	
77 trans-1,3-Dichloropropene	75	6.231	6.230	0.001	89	63263	5.25	
75 Ethyl methacrylate	69	6.267	6.267	0.0	65	76350	5.37	
79 1,1,2-Trichloroethane	83	6.377	6.376	0.001	86	46849	5.18	
81 Tetrachloroethene	166	6.413	6.419	-0.006	81	58187	4.98	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	89	98189	4.96	
80 2-Hexanone	43	6.553	6.553	0.0	94	236336	26.1	
83 Chlorodibromomethane	129	6.675	6.674	0.001	79	33293	5.15	
84 Ethylene Dibromide	107	6.760	6.760	0.0	95	52070	4.98	
87 Chlorobenzene	112	7.113	7.112	0.001	86	167180	4.90	
88 Ethylbenzene	91	7.180	7.179	0.001	98	294365	4.97	
89 1,1,1,2-Tetrachloroethane	131	7.180	7.179	0.001	35	42978	5.11	
90 m-Xylene & p-Xylene	106	7.265	7.264	0.001	99	221056	9.85	
91 o-Xylene	106	7.587	7.587	0.0	96	108685	5.05	
92 Styrene	104	7.605	7.605	0.0	94	158081	5.15	
95 Bromoform	173	7.794	7.794	0.0	87	17502	5.42	
94 Isopropylbenzene	105	7.867	7.867	0.0	96	278677	5.06	
101 Bromobenzene	156	8.141	8.141	0.0	95	65345	4.94	
97 1,1,2,2-Tetrachloroethane	83	8.177	8.177	0.0	82	72632	5.05	
99 N-Propylbenzene	91	8.202	8.201	0.001	80	339019	5.06	
100 1,2,3-Trichloropropane	110	8.208	8.207	0.001	48	25205	4.95	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.220	-0.006	63	22734	28.5	
103 2-Chlorotoluene	126	8.287	8.287	0.0	93	65410	5.12	
102 1,3,5-Trimethylbenzene	105	8.342	8.341	0.001	68	237872	5.06	
105 4-Chlorotoluene	126	8.372	8.378	-0.006	98	68055	5.02	
106 tert-Butylbenzene	134	8.603	8.603	0.0	88	49941	4.90	
107 1,2,4-Trimethylbenzene	105	8.646	8.645	0.001	60	236481	5.00	
109 sec-Butylbenzene	105	8.780	8.779	0.001	94	290117	5.03	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	95	240177	5.09	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	74	131098	4.87	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	88	137171	4.80	
115 n-Butylbenzene	91	9.236	9.236	0.0	94	227927	5.06	
116 1,2-Dichlorobenzene	146	9.284	9.284	0.0	89	127374	4.90	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.953	0.001	48	10520	5.28	
119 1,2,4-Trichlorobenzene	180	10.599	10.598	0.001	92	92094	4.88	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	89	38481	5.00	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.818	10.817	0.001	97	257134	4.74	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	93	86138	4.90	
S 125 1,2-Dichloroethene, Total	1				0		10.1	
S 126 1,3-Dichloropropene, Total	1				0		10.4	
S 123 Total BTEX	1				0		29.7	
S 124 Xylenes, Total	1				0		14.9	

Chrom Revision: 2.0 20-Feb-2012 13:27:02

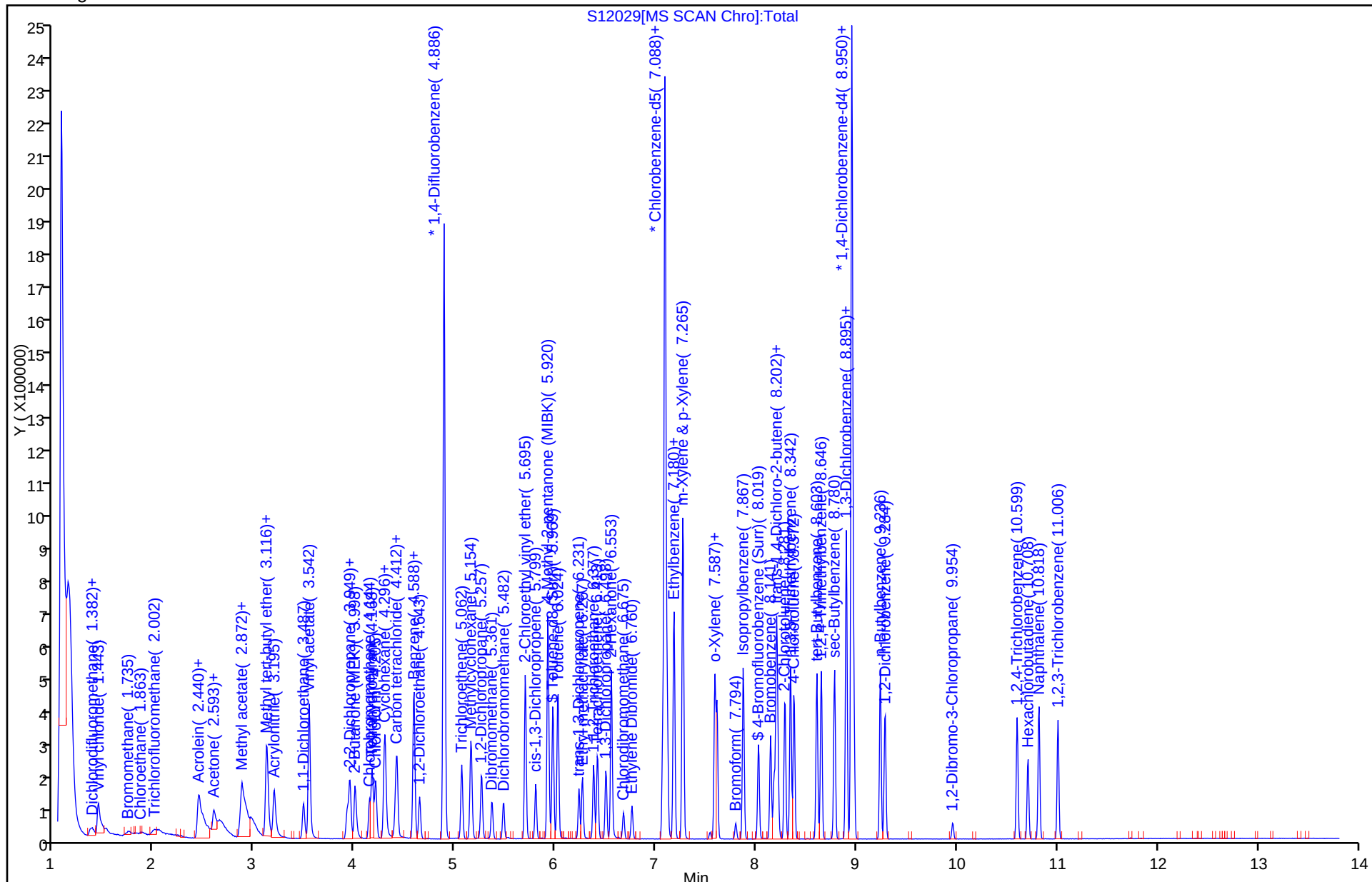
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Limit Group: MV - 8260B ICAL

Instrument ID: HP5973S

Lims Sample ID: 4

Column Dia: 0.25 mm



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12030.D
 Lims ID: STD-3 Client ID:
 Inject. Date: 21-Mar-2012 00:49:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 3
 Sample ID: STD-3
 Misc. Info.: 480-0010350-005 =480-0010350-005
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 10
 Lims Batch ID: 56067 Lims Sample ID: 5
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
 Last Update: 21-Mar-2012 10:04:06 Calib Date: 21-Mar-2012 00:49:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12030.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Mar-2012 09:58:31

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	1122993	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	86	574745	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	525047	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.588	0.0	50	59703	9.73	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	50	353982	9.36	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.025	-0.006	82	104959	9.35	
10 Dichlorodifluoromethane	85	1.224	1.217	0.007	83	110222	9.88	
12 Chloromethane	50	1.376	1.382	-0.006	88	100938	9.81	
13 Vinyl chloride	62	1.467	1.461	0.006	66	118142	10.3	
14 Bromomethane	94	1.735	1.747	-0.012	84	36493	9.29	
15 Chloroethane	64	1.875	1.820	0.055	73	38657	8.06	M
17 Trichlorofluoromethane	101	1.996	2.002	-0.006	77	136783	10.4	
20 Acrolein	56	2.440	2.440	0.0	96	216869	189.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.440	2.452	-0.012	33	106318	12.1	
22 1,1-Dichloroethene	96	2.483	2.477	0.006	86	107944	10.4	
23 Acetone	43	2.599	2.592	0.007	98	209766	47.1	
25 Iodomethane	142	2.647	2.635	0.012	56	121161	10.4	
26 Carbon disulfide	76	2.659	2.659	0.0	98	267177	10.5	
27 Methyl acetate	43	2.854	2.854	0.0	95	123344	9.61	
29 Acetonitrile	40	2.885	2.884	0.0	100	344251	389.5	
30 Methylene Chloride	84	2.976	2.982	-0.006	77	132975	9.32	
32 Methyl tert-butyl ether	73	3.122	3.115	0.007	88	373100	9.96	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	47	104017	10.1	
33 Acrylonitrile	53	3.195	3.195	0.0	97	224545	50.7	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	85	188917	10.1	
37 Vinyl acetate	43	3.542	3.541	0.001	97	996538	54.8	
44 2,2-Dichloropropane	77	3.925	3.925	0.0	90	129973	10.4	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	68	127088	10.2	
43 2-Butanone (MEK)	43	3.998	3.998	0.0	97	320948	49.6	
48 Chlorobromomethane	128	4.144	4.144	0.0	86	55973	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.168	4.168	0.0	82	206872	49.2	
50 Chloroform	83	4.205	4.204	0.001	70	202962	10.0	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	88	165936	10.8	
52 Cyclohexane	56	4.296	4.296	0.0	86	163341	10.4	
55 Carbon tetrachloride	117	4.405	4.405	0.0	79	113642	10.6	
54 1,1-Dichloropropene	75	4.418	4.417	0.001	96	158592	10.2	
57 Benzene	78	4.588	4.588	0.0	96	483069	9.98	
58 1,2-Dichloroethane	62	4.643	4.642	0.001	76	166310	9.96	
62 Trichloroethene	95	5.062	5.062	0.0	94	118255	9.97	
64 Methylcyclohexane	83	5.154	5.153	0.001	87	193807	10.8	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	90	108621	10.2	
67 Dibromomethane	93	5.361	5.360	0.0	83	70049	10.3	
68 Dichlorobromomethane	83	5.476	5.476	0.0	92	126320	10.8	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	91	335136	54.7	
72 cis-1,3-Dichloropropene	75	5.799	5.798	0.001	88	159665	11.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.0	95	646849	51.4	
74 Toluene	92	6.024	6.023	0.001	87	315894	10.1	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	89	144318	11.3	
75 Ethyl methacrylate	69	6.267	6.267	0.0	68	157885	10.8	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	88	93036	10.2	
81 Tetrachloroethene	166	6.419	6.419	0.0	83	115247	9.95	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	89	198976	10.1	
80 2-Hexanone	43	6.553	6.553	0.0	77	473685	51.7	
83 Chlorodibromomethane	129	6.675	6.674	0.001	85	77014	11.2	
84 Ethylene Dibromide	107	6.760	6.760	0.0	97	108047	10.3	
87 Chlorobenzene	112	7.113	7.112	0.001	86	337552	9.97	
88 Ethylbenzene	91	7.180	7.179	0.001	98	594761	10.1	
89 1,1,1,2-Tetrachloroethane	131	7.180	7.179	0.001	37	93598	10.8	
90 m-Xylene & p-Xylene	106	7.265	7.264	0.001	98	456351	20.3	
91 o-Xylene	106	7.587	7.587	0.0	97	219950	10.2	
92 Styrene	104	7.605	7.605	0.0	94	338345	10.7	
95 Bromoform	173	7.794	7.794	0.0	92	39789	11.5	
94 Isopropylbenzene	105	7.867	7.867	0.0	96	583482	10.3	
101 Bromobenzene	156	8.141	8.141	0.0	95	135841	10.1	
97 1,1,2,2-Tetrachloroethane	83	8.177	8.177	0.0	81	156124	10.5	
99 N-Propylbenzene	91	8.202	8.201	0.001	80	697374	10.2	
100 1,2,3-Trichloropropane	110	8.208	8.207	0.001	49	51964	10.1	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.220	-0.006	70	66834	68.1	
103 2-Chlorotoluene	126	8.281	8.287	-0.006	95	132861	10.2	
102 1,3,5-Trimethylbenzene	105	8.341	8.341	0.0	68	490411	10.2	
105 4-Chlorotoluene	126	8.372	8.378	-0.006	98	140303	10.2	
106 tert-Butylbenzene	134	8.603	8.603	0.0	89	102207	9.97	
107 1,2,4-Trimethylbenzene	105	8.646	8.645	0.001	61	495723	10.3	
109 sec-Butylbenzene	105	8.779	8.779	0.0	93	609688	10.3	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	94	494197	10.3	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	75	267339	9.90	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	90	274606	9.69	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	481276	10.4	
116 1,2-Dichlorobenzene	146	9.284	9.284	0.0	91	260352	9.95	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.953	0.001	58	24294	11.3	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	93	192483	10.1	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	94	80857	10.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	554816	10.2	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	92	182861	10.3	
S 125 1,2-Dichloroethene, Total	1				0		20.3	
S 126 1,3-Dichloropropene, Total	1				0		22.4	
S 123 Total BTEX	1				0		60.7	
S 124 Xylenes, Total	1				0		30.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Mar-2012 10:04:07

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12030.D

Injection Date: 21-Mar-2012 00:49:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 56067

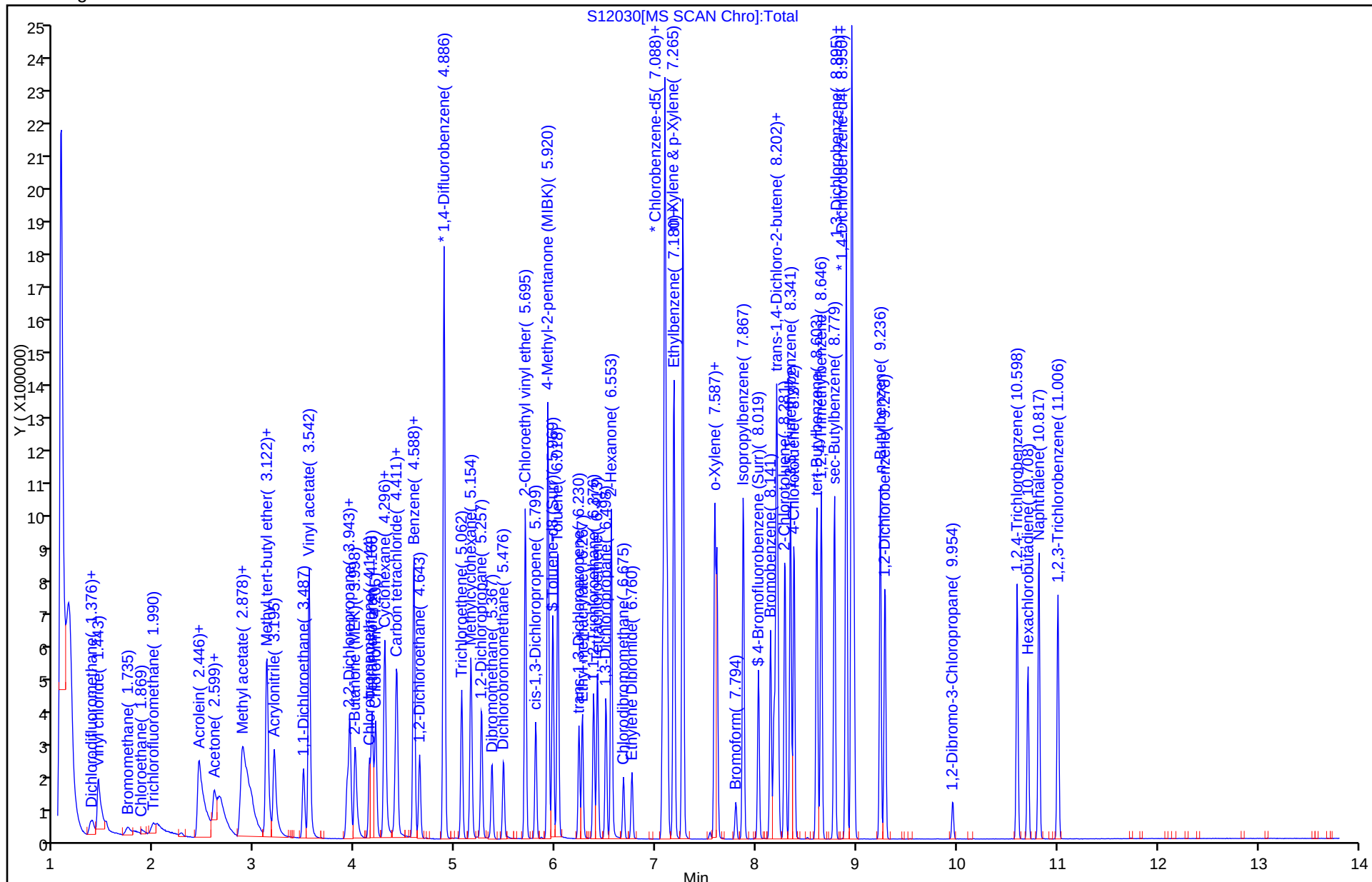
Lims Sample ID: 5

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:

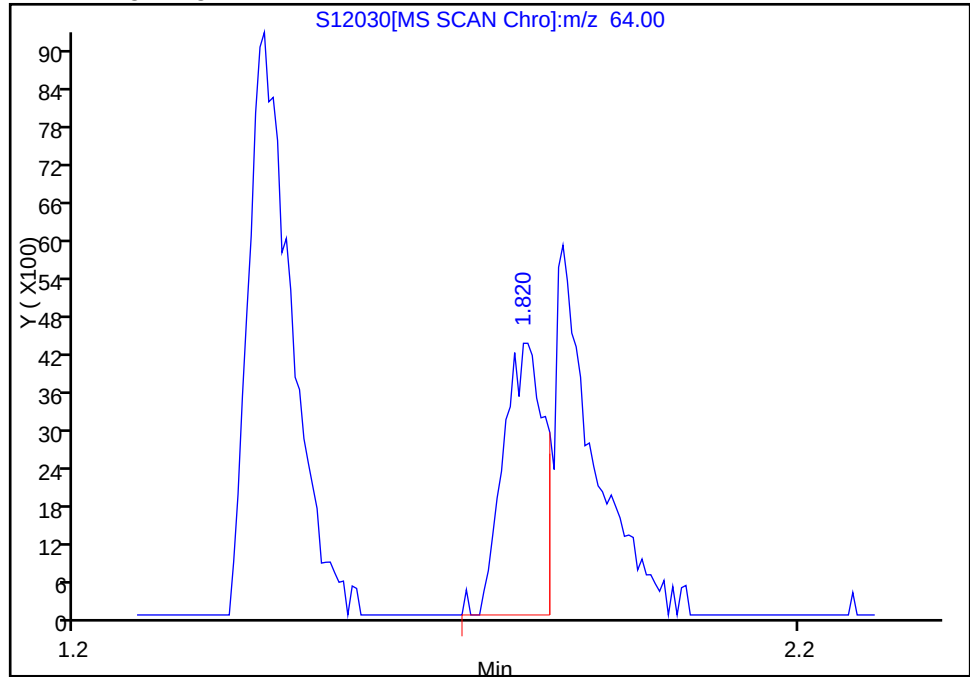


Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12030.D
Injection Date: 21-Mar-2012 00:49:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973S
Lims Batch ID: 56067 Lims Sample ID: 5
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm

15 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 1.82

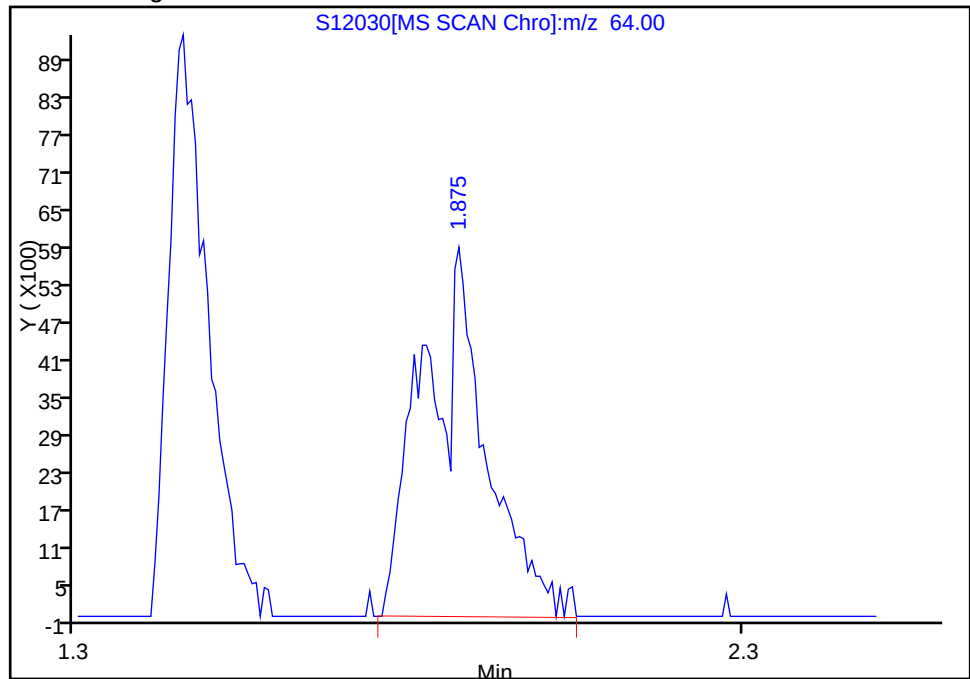
RT: 1.82
Response: 16908
Amount: 2.812242

Processing Integration Results



RT: 1.87
Response: 38657
Amount: 8.056782

Manual Integration Results



Reviewer: coderd, 21-Mar-2012 09:58:31
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12031.D
 Lims ID: STD-4 Client ID:
 Inject. Date: 21-Mar-2012 01:11:30 Dil. Factor: 1.0000
 Sample Type: ICIS Calib Level: 4
 Sample ID: STD-4
 Misc. Info.: 480-0010350-006 =480-0010350-006
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 11
 Lims Batch ID: 56067 Lims Sample ID: 6
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
 Last Update: 21-Mar-2012 10:04:08 Calib Date: 21-Mar-2012 01:11:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12031.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Mar-2012 09:55:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	1113969	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	86	569547	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	523367	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.588	0.0	55	197474	30.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	68	1273660	31.2	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.025	8.025	0.0	88	367634	30.6	
10 Dichlorodifluoromethane	85	1.217	1.217	0.0	87	284258	25.5	
12 Chloromethane	50	1.382	1.382	0.0	89	254700	25.0	
13 Vinyl chloride	62	1.461	1.461	0.0	67	297640	25.9	
14 Bromomethane	94	1.747	1.747	0.0	91	110361	27.4	
15 Chloroethane	64	1.820	1.820	0.0	93	165503	31.7	
17 Trichlorofluoromethane	101	2.002	2.002	0.0	78	337126	25.5	
20 Acrolein	56	2.440	2.440	0.0	96	592580	515.6	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.452	2.452	0.0	39	276281	29.7	
22 1,1-Dichloroethene	96	2.477	2.477	0.0	84	281975	26.7	
23 Acetone	43	2.592	2.592	0.0	98	526830	120.7	
25 Iodomethane	142	2.635	2.635	0.0	62	297259	25.6	
26 Carbon disulfide	76	2.659	2.659	0.0	98	769390	28.9	
27 Methyl acetate	43	2.854	2.854	0.0	95	316409	24.9	
29 Acetonitrile	40	2.884	2.884	0.0	99	822952	953.3	
30 Methylene Chloride	84	2.982	2.982	0.0	75	336303	24.1	
32 Methyl tert-butyl ether	73	3.115	3.115	0.0	88	951991	25.5	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	46	294273	27.7	
33 Acrylonitrile	53	3.195	3.195	0.0	97	582629	130.6	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	85	483664	25.8	
37 Vinyl acetate	43	3.541	3.541	0.0	97	2729769	143.8	
44 2,2-Dichloropropane	77	3.925	3.925	0.0	90	321546	25.7	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	67	315791	25.5	
43 2-Butanone (MEK)	43	3.998	3.998	0.0	98	818275	126.8	
48 Chlorobromomethane	128	4.144	4.144	0.0	88	139504	25.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.168	4.168	0.0	82	529824	126.5	
50 Chloroform	83	4.204	4.204	0.0	68	505326	25.2	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	91	403890	26.0	
52 Cyclohexane	56	4.296	4.296	0.0	85	462462	28.3	
55 Carbon tetrachloride	117	4.405	4.405	0.0	78	326135	29.1	
54 1,1-Dichloropropene	75	4.417	4.417	0.0	96	400203	25.7	
57 Benzene	78	4.588	4.588	0.0	96	1204293	25.1	
58 1,2-Dichloroethane	62	4.642	4.642	0.0	77	408289	24.7	
62 Trichloroethene	95	5.062	5.062	0.0	93	302131	25.5	
64 Methylcyclohexane	83	5.153	5.153	0.0	87	511595	27.7	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	92	271902	25.5	
67 Dibromomethane	93	5.360	5.360	0.0	82	176930	25.8	
68 Dichlorobromomethane	83	5.476	5.476	0.0	90	346578	28.5	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	91	894006	140.8	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	89	435597	29.0	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.0	94	1666753	131.4	
74 Toluene	92	6.023	6.023	0.0	86	789118	25.3	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	89	405712	29.9	
75 Ethyl methacrylate	69	6.267	6.267	0.0	83	440475	28.8	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	86	234189	25.7	
81 Tetrachloroethene	166	6.419	6.419	0.0	85	298349	25.7	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	88	499478	25.4	
80 2-Hexanone	43	6.553	6.553	0.0	77	1231889	132.9	
83 Chlorodibromomethane	129	6.674	6.674	0.0	85	223321	30.5	
84 Ethylene Dibromide	107	6.760	6.760	0.0	98	278717	26.3	
87 Chlorobenzene	112	7.112	7.112	0.0	86	843907	25.1	
88 Ethylbenzene	91	7.179	7.179	0.0	98	1516588	25.7	
89 1,1,1,2-Tetrachloroethane	131	7.179	7.179	0.0	36	253678	28.2	
90 m-Xylene & p-Xylene	106	7.264	7.264	0.0	99	1154928	51.4	
91 o-Xylene	106	7.587	7.587	0.0	97	557701	25.8	
92 Styrene	104	7.605	7.605	0.0	94	902535	27.7	
95 Bromoform	173	7.794	7.794	0.0	93	128696	33.3	
94 Isopropylbenzene	105	7.867	7.867	0.0	96	1495243	26.2	
101 Bromobenzene	156	8.141	8.141	0.0	96	346752	25.7	
97 1,1,2,2-Tetrachloroethane	83	8.177	8.177	0.0	81	398519	26.4	
99 N-Propylbenzene	91	8.201	8.201	0.0	80	1825429	26.4	
100 1,2,3-Trichloropropane	110	8.207	8.207	0.0	50	132818	25.6	
98 trans-1,4-Dichloro-2-butene	53	8.220	8.220	0.0	83	261401	208.0	
103 2-Chlorotoluene	126	8.287	8.287	0.0	95	336673	25.7	
102 1,3,5-Trimethylbenzene	105	8.341	8.341	0.0	68	1265565	26.1	
105 4-Chlorotoluene	126	8.378	8.378	0.0	97	353091	25.5	
106 tert-Butylbenzene	134	8.603	8.603	0.0	85	267490	25.9	
107 1,2,4-Trimethylbenzene	105	8.645	8.645	0.0	62	1284006	26.2	
109 sec-Butylbenzene	105	8.779	8.779	0.0	94	1583908	26.4	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	93	1300406	26.5	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	73	681487	25.2	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	91	706579	25.0	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	1271135	26.9	
116 1,2-Dichlorobenzene	146	9.284	9.284	0.0	91	664307	25.4	
117 1,2-Dibromo-3-Chloropropane	75	9.953	9.953	0.0	72	72444	31.1	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	93	505396	26.2	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	94	214542	27.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	1464183	26.5	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	92	474951	26.4	
S 125 1,2-Dichloroethene, Total	1				0		53.2	
S 126 1,3-Dichloropropene, Total	1				0		58.9	
S 123 Total BTEX	1				0		153.3	
S 124 Xylenes, Total	1				0		77.2	

Report Date: 21-Mar-2012 10:04:09

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12031.D

Injection Date: 21-Mar-2012 01:11:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 56067

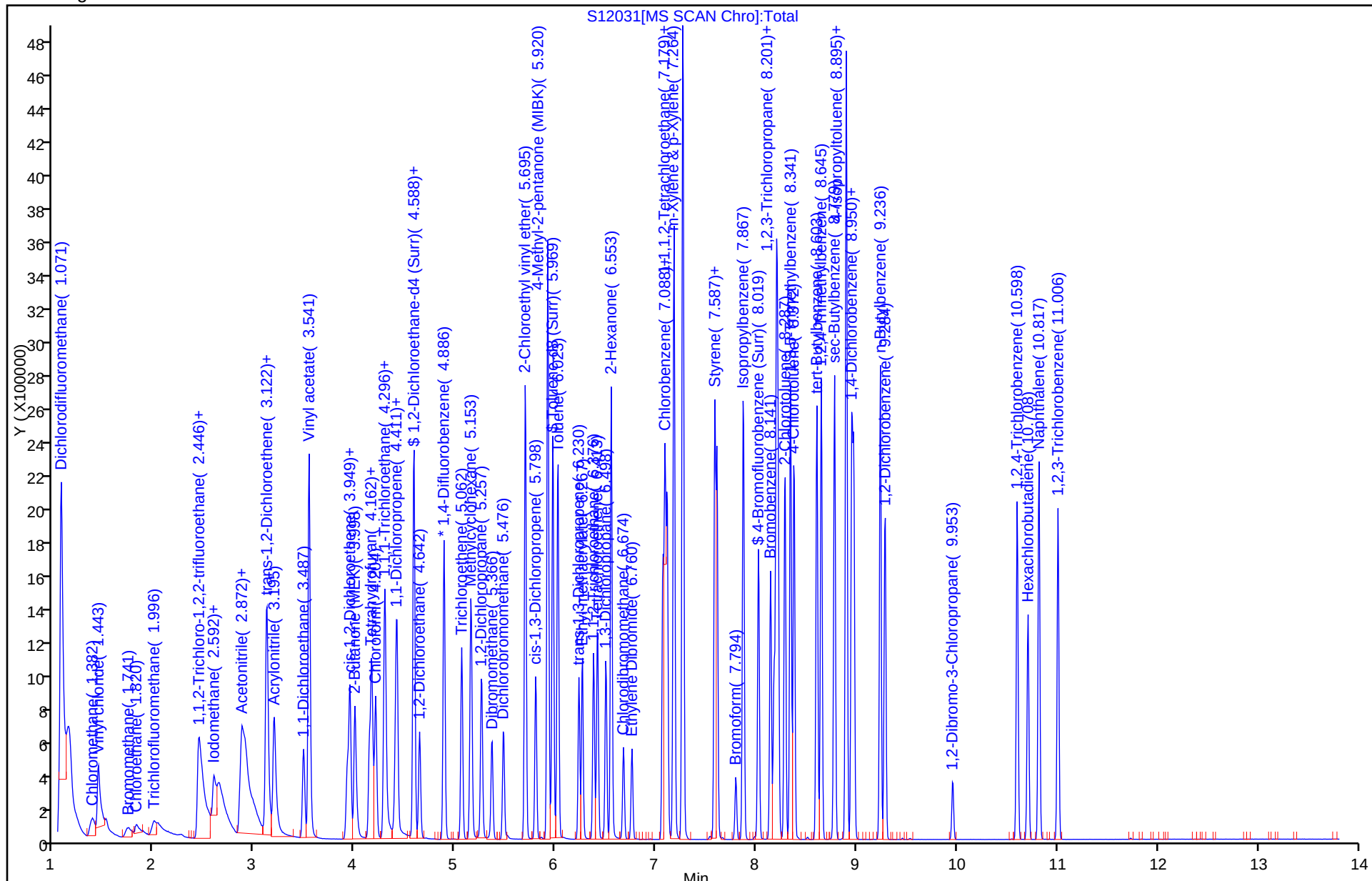
Lims Sample ID: 6

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12032.D
 Lims ID: STD-5 Client ID:
 Inject. Date: 21-Mar-2012 01:33:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 5
 Sample ID: STD-5
 Misc. Info.: 480-0010350-007 =480-0010350-007
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 12
 Lims Batch ID: 56067 Lims Sample ID: 7
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
 Last Update: 21-Mar-2012 10:04:11 Calib Date: 21-Mar-2012 01:33:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12032.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Mar-2012 09:59:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	1137918	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	86	585432	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	90	534211	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.588	0.0	53	379058	55.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	67	2410840	49.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.025	-0.006	83	717007	56.2	
10 Dichlorodifluoromethane	85	1.224	1.217	0.007	86	573888	50.3	
12 Chloromethane	50	1.388	1.382	0.006	88	488519	47.5	
13 Vinyl chloride	62	1.455	1.461	-0.006	71	616042	51.9	
14 Bromomethane	94	1.790	1.747	0.043	90	225217	53.7	M
15 Chloroethane	64	1.826	1.820	0.006	94	371506	64.5	
17 Trichlorofluoromethane	101	1.996	2.002	-0.006	78	673721	50.0	
20 Acrolein	56	2.440	2.440	0.0	96	1417825	1159.5	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.453	2.452	0.001	37	531770	49.3	
22 1,1-Dichloroethene	96	2.477	2.477	0.0	89	573791	52.6	
23 Acetone	43	2.593	2.592	0.001	100	1118114	250.6	
25 Iodomethane	142	2.641	2.635	0.006	51	660422	54.4	
26 Carbon disulfide	76	2.659	2.659	0.0	98	1670240	58.7	
27 Methyl acetate	43	2.848	2.854	-0.006	96	663974	50.9	
29 Acetonitrile	40	2.872	2.884	-0.012	99	1734582	1973.6	
30 Methylene Chloride	84	2.964	2.982	-0.018	77	693180	48.8	
32 Methyl tert-butyl ether	73	3.116	3.115	0.001	88	2097555	53.8	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	45	613329	55.2	
33 Acrylonitrile	53	3.195	3.195	0.0	98	1259311	270.6	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	85	1032940	53.1	
37 Vinyl acetate	43	3.542	3.541	0.001	97	5944372	262.3	
44 2,2-Dichloropropane	77	3.925	3.925	0.0	89	698047	53.6	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	67	658110	51.6	
43 2-Butanone (MEK)	43	3.998	3.998	0.0	96	1756032	262.9	
48 Chlorobromomethane	128	4.144	4.144	0.0	88	292720	51.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.168	-0.006	82	1111082	257.6	
50 Chloroform	83	4.205	4.204	0.001	68	1060136	51.3	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	91	892787	54.9	
52 Cyclohexane	56	4.296	4.296	0.0	85	968250	51.5	
55 Carbon tetrachloride	117	4.405	4.405	0.0	79	705523	58.8	
54 1,1-Dichloropropene	75	4.418	4.417	0.001	96	825213	51.5	
57 Benzene	78	4.588	4.588	0.0	96	2490795	50.6	
58 1,2-Dichloroethane	62	4.643	4.642	0.001	77	850230	50.3	
62 Trichloroethene	95	5.062	5.062	0.0	93	630488	51.7	
64 Methylcyclohexane	83	5.154	5.153	0.001	86	1092762	51.5	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	92	573101	52.1	
67 Dibromomethane	93	5.361	5.360	0.001	87	379083	53.3	
68 Dichlorobromomethane	83	5.476	5.476	0.0	90	779003	59.6	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	91	1996993	294.3	
72 cis-1,3-Dichloropropene	75	5.799	5.798	0.001	91	974651	53.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.0	94	3481903	263.4	
74 Toluene	92	6.024	6.023	0.001	87	1635552	50.9	
77 trans-1,3-Dichloropropene	75	6.231	6.230	0.0	88	924239	51.4	
75 Ethyl methacrylate	69	6.267	6.267	0.0	83	991873	59.9	
79 1,1,2-Trichloroethane	83	6.377	6.376	0.0	86	498472	52.6	
81 Tetrachloroethene	166	6.419	6.419	0.0	85	609217	50.9	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	88	1057868	51.8	
80 2-Hexanone	43	6.553	6.553	0.0	76	2603204	268.2	
83 Chlorodibromomethane	129	6.675	6.674	0.001	85	529423	51.9	
84 Ethylene Dibromide	107	6.760	6.760	0.0	98	599848	53.9	
87 Chlorobenzene	112	7.113	7.112	0.001	86	1775678	51.1	
88 Ethylbenzene	91	7.180	7.179	0.001	98	3117680	51.1	
89 1,1,1,2-Tetrachloroethane	131	7.180	7.179	0.001	36	553374	57.6	
90 m-Xylene & p-Xylene	106	7.271	7.264	0.007	98	2376665	102.3	
91 o-Xylene	106	7.587	7.587	0.0	97	1173534	52.2	
92 Styrene	104	7.605	7.605	0.0	94	1929836	56.0	
95 Bromoform	173	7.794	7.794	0.0	94	331731	73.7	
94 Isopropylbenzene	105	7.867	7.867	0.0	96	3106571	52.6	
101 Bromobenzene	156	8.141	8.141	0.0	95	736939	52.8	
97 1,1,2,2-Tetrachloroethane	83	8.177	8.177	0.0	79	855544	54.3	
99 N-Propylbenzene	91	8.202	8.201	0.001	79	3815015	53.1	
100 1,2,3-Trichloropropane	110	8.208	8.207	0.001	52	273743	51.4	
98 trans-1,4-Dichloro-2-butene	53	8.220	8.220	0.0	84	764999	467.0	
103 2-Chlorotoluene	126	8.287	8.287	0.0	95	700467	51.9	
102 1,3,5-Trimethylbenzene	105	8.342	8.341	0.001	68	2640598	52.7	
105 4-Chlorotoluene	126	8.378	8.378	0.0	98	738000	51.8	
106 tert-Butylbenzene	134	8.603	8.603	0.0	85	558609	52.3	
107 1,2,4-Trimethylbenzene	105	8.646	8.645	0.001	60	2698902	53.2	
109 sec-Butylbenzene	105	8.780	8.779	0.001	94	3311589	53.2	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	91	2694302	53.0	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	72	1412500	51.0	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	92	1465216	50.6	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	2649365	53.8	
116 1,2-Dichlorobenzene	146	9.284	9.284	0.0	91	1400336	51.9	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.953	0.001	77	175987	67.5	
119 1,2,4-Trichlorobenzene	180	10.599	10.598	0.0	90	1053063	52.7	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	94	444927	53.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.818	10.817	0.001	97	3118862	54.2	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	92	981899	52.7	
S 125 1,2-Dichloroethene, Total	1				0		106.8	
S 126 1,3-Dichloropropene, Total	1				0		104.7	
S 123 Total BTEX	1				0		307.1	
S 124 Xylenes, Total	1				0		154.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 21-Mar-2012 10:04:11

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12032.D

Injection Date: 21-Mar-2012 01:33:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 56067

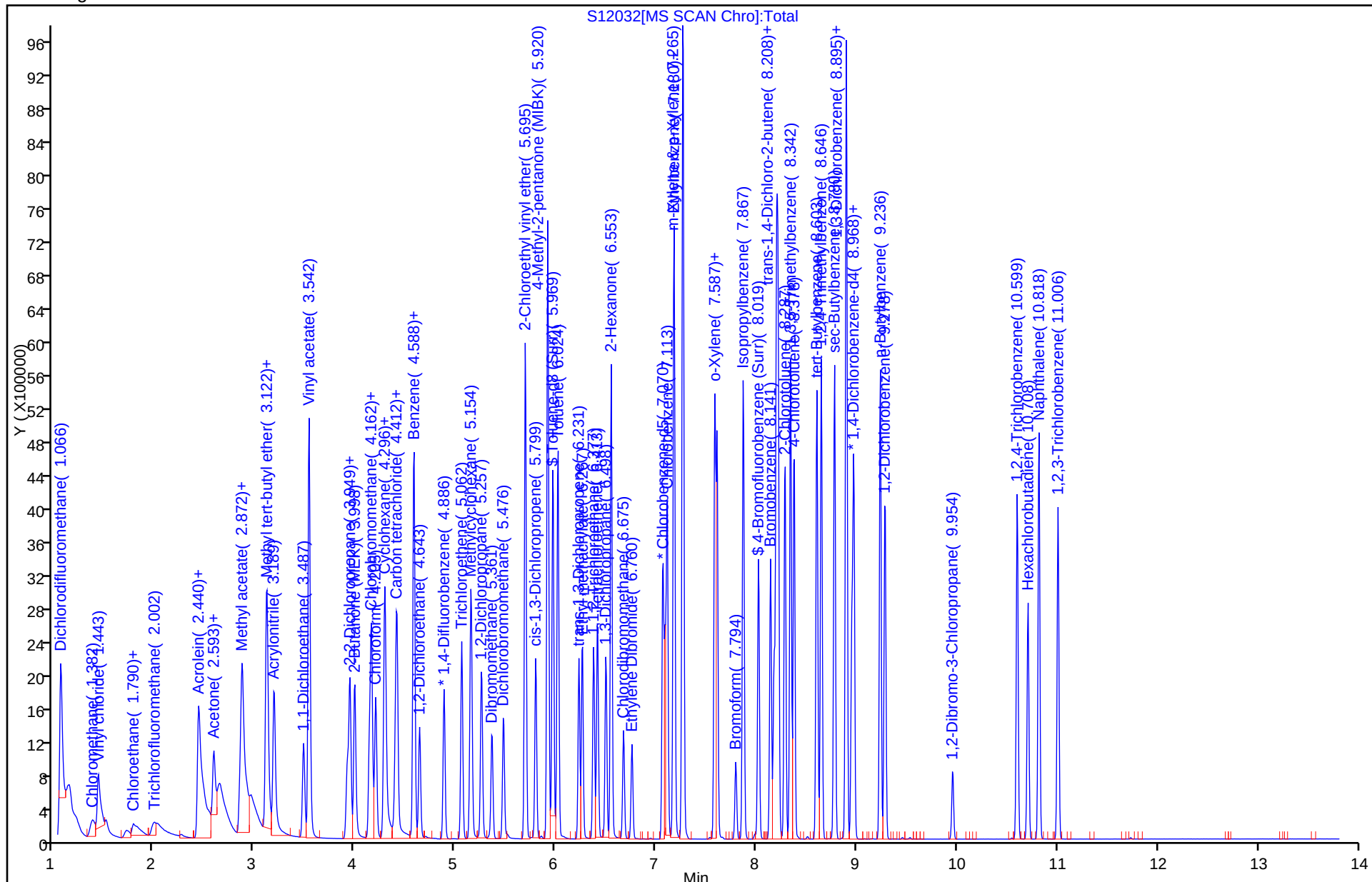
Lims Sample ID: 7

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



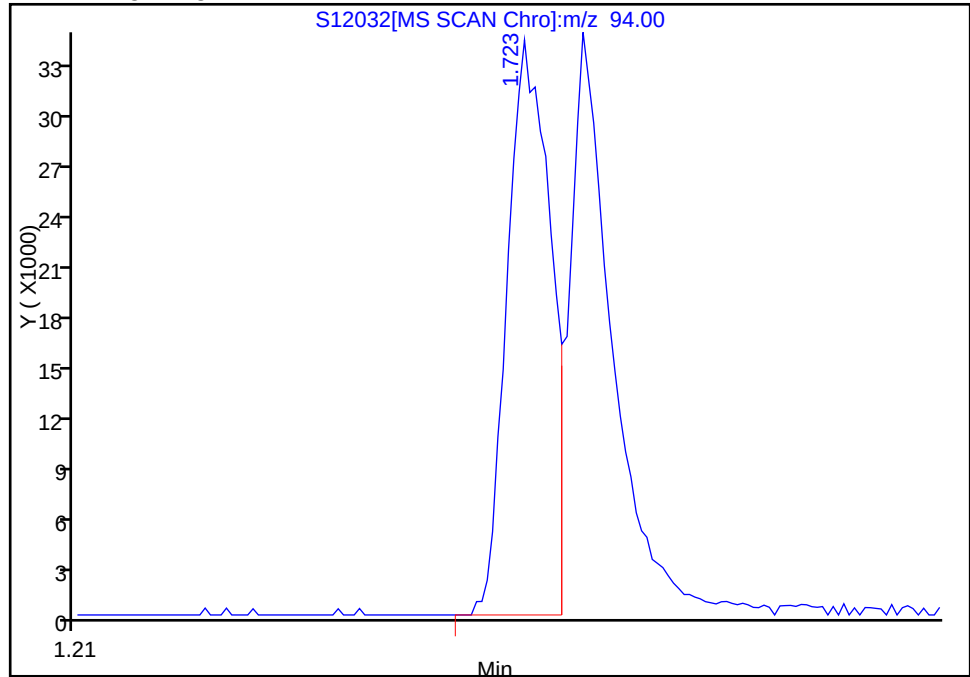
04/17/2012

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12032.D
Injection Date: 21-Mar-2012 01:33:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973S
Lims Batch ID: 56067 Lims Sample ID: 7
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm

14 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 1.75

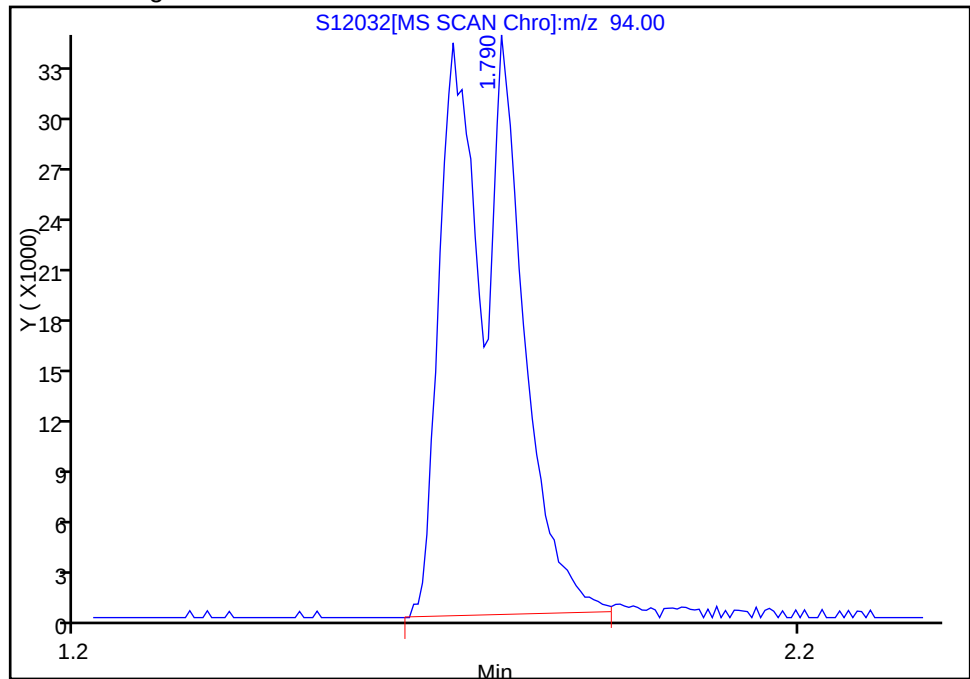
RT: 1.72
Response: 116954
Amount: 28.173364

Processing Integration Results



RT: 1.79
Response: 225217
Amount: 53.729529

Manual Integration Results



Reviewer: coderd, 21-Mar-2012 09:59:02
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Lims ID: STD-6 Client ID:
 Inject. Date: 21-Mar-2012 01:54:30 Dil. Factor: 1.0000
 Sample Type: IC Calib Level: 6
 Sample ID: STD-6
 Misc. Info.: 480-0010350-008 =480-0010350-008
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 13
 Lims Batch ID: 56067 Lims Sample ID: 8
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
 Last Update: 21-Mar-2012 10:04:12 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 21-Mar-2012 09:59:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	1134193	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	87	584366	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.956	8.950	0.006	71	543154	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.588	0.0	52	730848	105.7	
\$ 5 Toluene-d8 (Surr)	98	5.975	5.969	0.006	68	4634028	106.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.025	8.025	0.0	88	1428575	110.0	
10 Dichlorodifluoromethane	85	1.224	1.217	0.007	88	1193822	104.2	
12 Chloromethane	50	1.388	1.382	0.006	89	1479044	100.4	
13 Vinyl chloride	62	1.467	1.461	0.006	67	1300306	108.2	
14 Bromomethane	94	1.771	1.747	0.024	91	609420	100.2	
15 Chloroethane	64	1.832	1.820	0.012	94	820372	103.3	
17 Trichlorofluoromethane	101	2.002	2.002	0.0	79	1489687	108.9	
20 Acrolein	56	2.440	2.440	0.0	96	3045570	2399.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.465	2.452	0.013	43	1094973	100.8	
22 1,1-Dichloroethene	96	2.483	2.477	0.006	90	1251336	112.2	
23 Acetone	43	2.592	2.592	0.0	100	2299040	514.0	
25 Iodomethane	142	2.647	2.635	0.012	48	1404731	113.0	
26 Carbon disulfide	76	2.659	2.659	0.0	98	3727543	107.8	
27 Methyl acetate	43	2.854	2.854	0.0	95	1394012	105.9	
29 Acetonitrile	40	2.878	2.884	-0.006	99	3502183	3998.2	
30 Methylene Chloride	84	2.970	2.982	-0.012	77	1453826	102.3	
32 Methyl tert-butyl ether	73	3.116	3.115	0.001	87	4233400	107.4	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	47	1278149	112.5	
33 Acrylonitrile	53	3.195	3.195	0.0	98	2604187	550.1	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	85	2090140	106.5	
37 Vinyl acetate	43	3.541	3.541	0.0	97	12270337	519.7	
44 2,2-Dichloropropane	77	3.925	3.925	0.0	88	1382801	105.4	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	67	1374703	106.7	
43 2-Butanone (MEK)	43	3.998	3.998	0.0	96	3687947	544.2	
48 Chlorobromomethane	128	4.144	4.144	0.0	90	613475	106.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.168	-0.006	82	2313147	531.4	
50 Chloroform	83	4.205	4.204	0.001	68	2210559	106.1	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	89	1873002	112.7	
52 Cyclohexane	56	4.296	4.296	0.0	84	2020540	114.2	
55 Carbon tetrachloride	117	4.405	4.405	0.0	79	1492027	105.3	
54 1,1-Dichloropropene	75	4.418	4.417	0.001	96	1721873	106.5	
57 Benzene	78	4.588	4.588	0.0	96	5151282	104.1	
58 1,2-Dichloroethane	62	4.643	4.642	0.001	76	1766072	104.0	
62 Trichloroethene	95	5.062	5.062	0.0	93	1315528	106.7	
64 Methylcyclohexane	83	5.154	5.153	0.001	86	2277005	103.5	
65 1,2-Dichloropropane	63	5.263	5.257	0.006	93	1209045	108.5	
67 Dibromomethane	93	5.367	5.360	0.007	86	795151	109.9	
68 Dichlorobromomethane	83	5.482	5.476	0.006	91	1690536	107.0	
69 2-Chloroethyl vinyl ether	63	5.701	5.695	0.006	91	4215402	526.8	
72 cis-1,3-Dichloropropene	75	5.805	5.798	0.007	92	2102144	106.7	
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.920	0.0	93	7080554	530.2	
74 Toluene	92	6.024	6.023	0.001	88	3405477	105.0	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	88	2030373	102.9	
75 Ethyl methacrylate	69	6.267	6.267	0.0	84	2134201	106.5	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	86	1045474	108.6	
81 Tetrachloroethene	166	6.419	6.419	0.0	85	1281412	106.0	
82 1,3-Dichloropropane	76	6.504	6.498	0.006	86	2217191	107.2	
80 2-Hexanone	43	6.553	6.553	0.0	76	5382007	545.4	
83 Chlorodibromomethane	129	6.675	6.674	0.001	86	1189723	103.7	
84 Ethylene Dibromide	107	6.760	6.760	0.0	98	1265557	111.4	
87 Chlorobenzene	112	7.113	7.112	0.001	86	3718139	106.0	
88 Ethylbenzene	91	7.179	7.179	0.0	98	6442994	104.8	
89 1,1,1,2-Tetrachloroethane	131	7.186	7.179	0.007	38	1167766	117.5	
90 m-Xylene & p-Xylene	106	7.271	7.264	0.007	98	4927038	210.3	
91 o-Xylene	106	7.587	7.587	0.0	97	2450203	107.6	
92 Styrene	104	7.611	7.605	0.006	94	4124911	116.1	
95 Bromoform	173	7.794	7.794	0.0	94	801657	99.8	
94 Isopropylbenzene	105	7.867	7.867	0.0	96	6521834	107.0	
101 Bromobenzene	156	8.141	8.141	0.0	95	1546866	107.3	
97 1,1,2,2-Tetrachloroethane	83	8.177	8.177	0.0	79	1817812	111.0	
99 N-Propylbenzene	91	8.202	8.201	0.001	89	7932322	107.1	
100 1,2,3-Trichloropropane	110	8.214	8.207	0.007	71	554155	101.9	
98 trans-1,4-Dichloro-2-butene	53	8.220	8.220	0.0	82	1768053	497.7	
103 2-Chlorotoluene	126	8.287	8.287	0.0	93	1480503	106.5	
102 1,3,5-Trimethylbenzene	105	8.341	8.341	0.0	76	5582207	107.8	
105 4-Chlorotoluene	126	8.378	8.378	0.0	96	1563265	106.5	
106 tert-Butylbenzene	134	8.603	8.603	0.0	85	1167886	106.3	
107 1,2,4-Trimethylbenzene	105	8.646	8.645	0.001	60	5757054	109.4	
109 sec-Butylbenzene	105	8.779	8.779	0.0	94	7004297	108.8	
110 4-Isopropyltoluene	119	8.901	8.895	0.006	92	5698301	108.5	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	74	2987076	105.0	
113 1,4-Dichlorobenzene	146	8.974	8.968	0.006	94	3137099	105.5	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	5675949	110.9	
116 1,2-Dichlorobenzene	146	9.284	9.284	0.0	91	2988243	107.3	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.953	0.001	78	410963	99.8	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	90	2262606	109.3	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	94	934893	110.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	6634415	112.7	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	92	2083343	110.0	
S 125 1,2-Dichloroethene, Total	1				0		219.1	
S 126 1,3-Dichloropropene, Total	1				0		209.7	
S 123 Total BTEX	1				0		631.8	
S 124 Xylenes, Total	1				0		317.9	

Report Date: 21-Mar-2012 10:04:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D

Injection Date: 21-Mar-2012 01:54:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 56067

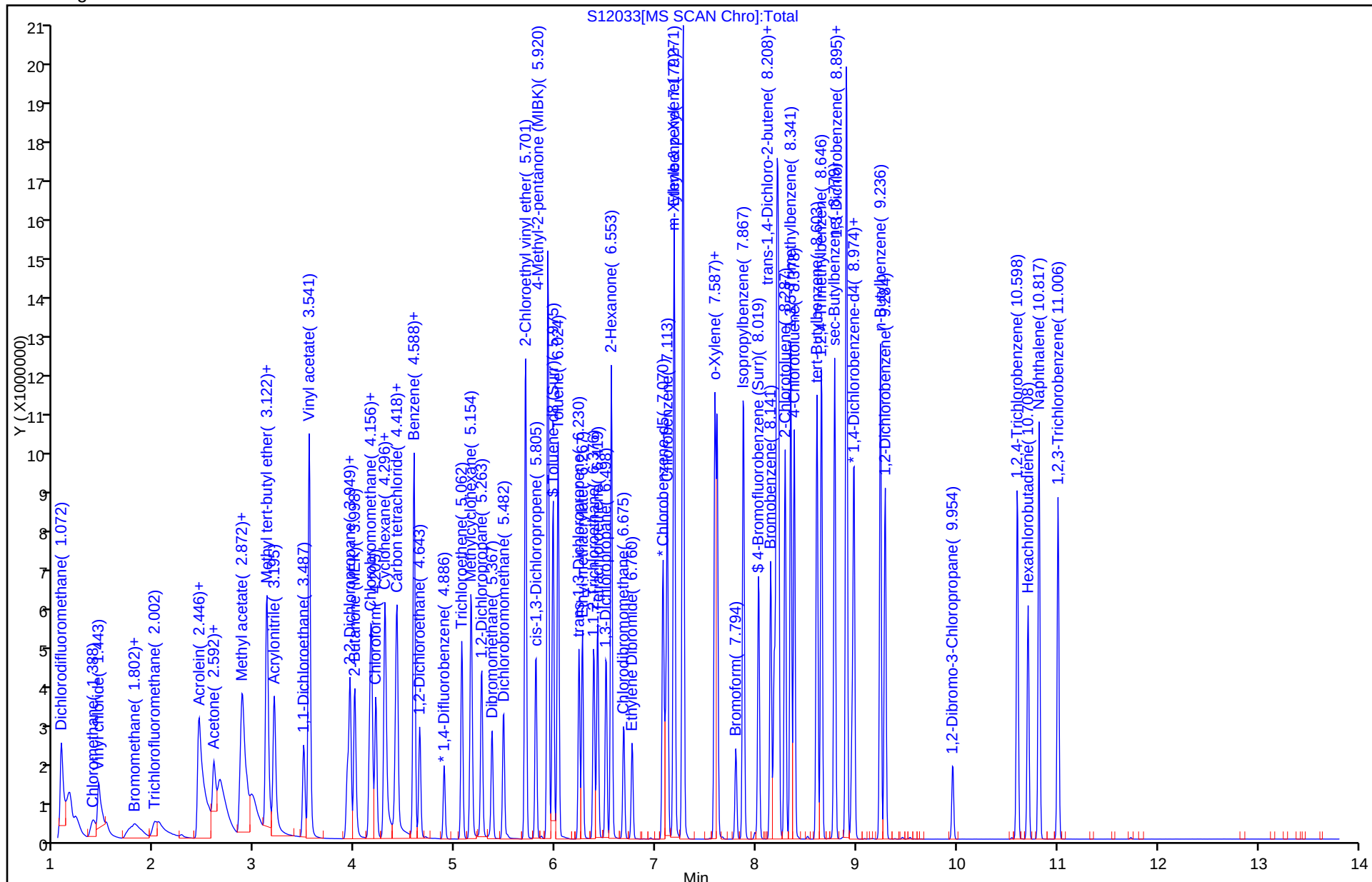
Lims Sample ID: 8

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



04/17/2012

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58178/2 Calibration Date: 04/04/2012 22:31

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12639.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2526	0.1681		16.6	25.0	-33.5	50.0
Chloromethane	QuaF		0.2706	0.1000	33.0	25.0	32.0	50.0
Vinyl chloride	Ave	0.2650	0.2703		25.5	25.0	2.0	20.0
Bromomethane	QuaF		0.0750		21.8	25.0	-12.8	50.0
Chloroethane	LinF		0.1162		16.6	25.0	-33.6	50.0
Trichlorofluoromethane	Ave	0.3016	0.3045		25.2	25.0	1.0	50.0
Acrolein	Ave	0.0280	0.0338		603	500	20.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	LinF		0.1971		20.6	25.0	-17.6	50.0
1,1-Dichloroethene	Ave	0.2458	0.2770	0.1000	28.2	25.0	12.7	20.0
Acetone	Ave	0.0986	0.0999		127	125	1.3	50.0
Iodomethane	Ave	0.2740	0.2632		24.0	25.0	-3.9	50.0
Carbon disulfide	LinF		0.6926		22.7	25.0	-9.2	50.0
Methyl acetate	Ave	0.2900	0.3194		27.5	25.0	10.1	50.0
Acetonitrile	Ave	0.0193	0.0217		1120	1000	12.4	50.0
Methylene Chloride	Ave	0.3134	0.3312		26.4	25.0	5.7	50.0
Methyl tert-butyl ether	Ave	0.8687	0.9373		27.0	25.0	7.9	50.0
trans-1,2-Dichloroethene	Ave	0.2505	0.2956		29.5	25.0	18.0	50.0
Acrylonitrile	Ave	0.1043	0.1247		149	125	19.5	50.0
1,1-Dichloroethane	Ave	0.4327	0.5069		29.3	25.0	17.1	50.0
Vinyl acetate	LinF		0.5243		126	125	0.7	50.0
2,2-Dichloropropane	Ave	0.2893	0.2901		25.1	25.0	0.3	50.0
cis-1,2-Dichloroethene	Ave	0.2840	0.3214		28.3	25.0	13.2	50.0
2-Butanone (MEK)	Ave	0.1494	0.1618		135	125	8.3	50.0
Bromochloromethane	Ave	0.1265	0.1362		26.9	25.0	7.7	50.0
Tetrahydrofuran	Ave	0.0960	0.1052		137	125	9.6	50.0
Chloroform	Ave	0.4594	0.4948		26.9	25.0	7.7	20.0
Cyclohexane	Ave	0.3898	0.3874		24.8	25.0	-0.6	50.0
1,1,1-Trichloroethane	Ave	0.3664	0.3373		23.0	25.0	-7.9	50.0
Carbon tetrachloride	LinF		0.2618		21.0	25.0	-16.0	50.0
1,1-Dichloropropene	Ave	0.3564	0.4011		28.1	25.0	12.5	50.0
Benzene	Ave	1.091	1.246		28.6	25.0	14.2	50.0
1,2-Dichloroethane	Ave	0.3742	0.3913		26.1	25.0	4.6	50.0
Trichloroethene	Ave	0.2717	0.3010		27.7	25.0	10.8	50.0
Methylcyclohexane	LinF		0.4248		21.9	25.0	-12.4	50.0
1,2-Dichloropropane	Ave	0.2457	0.2928		29.8	25.0	19.2	20.0
Dibromomethane	Ave	0.1594	0.1800		28.2	25.0	12.9	50.0
Bromodichloromethane	LinF		0.3486		25.0	25.0	0.0	50.0
2-Chloroethyl vinyl ether	LinF		0.2148		152	125	21.8	50.0
cis-1,3-Dichloropropene	LinF		0.4650		26.8	25.0	7.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5713	0.6227		136	125	9.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58178/2 Calibration Date: 04/04/2012 22:31

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12639.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.387	1.521		27.4	25.0	9.6	20.0
trans-1,3-Dichloropropene	LinF		0.8186		24.3	25.0	-2.8	50.0
Ethyl methacrylate	Lin1F		0.8992		26.2	25.0	4.8	50.0
1,1,2-Trichloroethane	Ave	0.4117	0.4615		28.0	25.0	12.1	50.0
Tetrachloroethene	Ave	0.5172	0.5602		27.1	25.0	8.3	50.0
1,3-Dichloropropane	Ave	0.8844	1.000		28.3	25.0	13.1	50.0
2-Hexanone	Ave	0.4222	0.4604		136	125	9.1	50.0
Dibromochloromethane	LinF		0.4409		22.5	25.0	-10.0	50.0
1,2-Dibromoethane	Ave	0.4862	0.5566		28.6	25.0	14.5	50.0
Chlorobenzene	Ave	1.501	1.607	0.3000	26.8	25.0	7.1	50.0
Ethylbenzene	Ave	2.631	2.909		27.6	25.0	10.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4253	0.4756		28.0	25.0	11.8	50.0
m,p-Xylene	Ave	1.002	1.132		56.5	50.0	12.9	50.0
o-Xylene	Ave	0.9742	1.096		28.1	25.0	12.5	50.0
Styrene	Ave	1.521	1.808		29.7	25.0	18.9	50.0
Bromoform	QuaF		0.2711	0.1000	27.9	25.0	11.6	50.0
Isopropylbenzene	Ave	2.806	3.152		28.1	25.0	12.3	50.0
Bromobenzene	Ave	0.6634	0.7156		27.0	25.0	7.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7537	0.8927	0.3000	29.6	25.0	18.4	50.0
N-Propylbenzene	Ave	3.409	3.932		28.8	25.0	15.4	50.0
1,2,3-Trichloropropane	Ave	0.2502	0.2820		28.2	25.0	12.7	50.0
trans-1,4-Dichloro-2-butene	QuaF		0.1842		185	125	48.1	50.0
2-Chlorotoluene	Ave	0.6399	0.6968		27.2	25.0	8.9	50.0
1,3,5-Trimethylbenzene	Ave	2.384	2.664		27.9	25.0	11.7	50.0
4-Chlorotoluene	Ave	0.6755	0.7309		27.0	25.0	8.2	50.0
tert-Butylbenzene	Ave	0.5059	0.5359		26.5	25.0	5.9	50.0
1,2,4-Trimethylbenzene	Ave	2.421	2.726		28.1	25.0	12.6	50.0
sec-Butylbenzene	Ave	2.964	3.259		27.5	25.0	9.9	50.0
1,3-Dichlorobenzene	Ave	1.309	1.406		26.8	25.0	7.4	50.0
4-Isopropyltoluene	Ave	2.418	2.721		28.1	25.0	12.5	50.0
1,4-Dichlorobenzene	Ave	1.369	1.456		26.6	25.0	6.3	50.0
n-Butylbenzene	Ave	2.356	2.568		27.2	25.0	9.0	50.0
1,2-Dichlorobenzene	Ave	1.282	1.382		27.0	25.0	7.8	50.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1598		27.3	25.0	9.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9532	1.035		27.1	25.0	8.5	50.0
Hexachlorobutadiene	Ave	0.1859	0.1921		25.8	25.0	3.3	50.0
Naphthalene	Ave	1.298	1.421		27.4	25.0	9.5	50.0
1,2,3-Trichlorobenzene	Ave	0.4174	0.4562		27.3	25.0	9.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1525	0.1854		30.4	25.0	21.6	50.0
Toluene-d8 (Surr)	Ave	1.869	2.383		31.9	25.0	27.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5557	0.6606		29.7	25.0	18.9	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12639.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 04-Apr-2012 22:31:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0010730-002 =480-0010730-002
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 29
 Lims Batch ID: 58178 Lims Sample ID: 2
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 04-Apr-2012 22:48:41 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: larsonr

Date: 04-Apr-2012 22:48:41

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.880	4.880	0.0	91	876293	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	455668	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	48	411635	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	53	162460	30.4	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	48	1085709	31.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	301017	29.7	
10 Dichlorodifluoromethane	85	1.211	1.211	0.0	86	147262	16.6	
12 Chloromethane	50	1.388	1.388	0.0	88	237160	33.0	
13 Vinyl chloride	62	1.455	1.455	0.0	67	236834	25.5	
14 Bromomethane	94	1.729	1.729	0.0	89	65722	21.8	
15 Chloroethane	64	1.850	1.850	0.0	86	101784	16.6	
17 Trichlorofluoromethane	101	1.990	1.990	0.0	80	266820	25.2	
20 Acrolein	56	2.434	2.434	0.0	96	591541	603.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.446	2.446	0.0	34	172720	20.6	
22 1,1-Dichloroethene	96	2.471	2.471	0.0	89	242760	28.2	
23 Acetone	43	2.586	2.586	0.0	99	437749	126.7	
25 Iodomethane	142	2.641	2.641	0.0	44	230616	24.0	
26 Carbon disulfide	76	2.647	2.647	0.0	86	606950	22.7	
27 Methyl acetate	43	2.848	2.848	0.0	95	279925	27.5	
29 Acetonitrile	40	2.872	2.872	0.0	98	760483	1123.7	
30 Methylene Chloride	84	2.970	2.970	0.0	73	290191	26.4	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	86	821318	27.0	
34 trans-1,2-Dichloroethene	96	3.116	3.116	0.0	50	259043	29.5	
33 Acrylonitrile	53	3.189	3.189	0.0	98	546256	149.3	
39 1,1-Dichloroethane	63	3.481	3.481	0.0	85	444184	29.3	
37 Vinyl acetate	43	3.535	3.535	0.0	97	2297340	125.9	
44 2,2-Dichloropropane	77	3.919	3.919	0.0	88	254240	25.1	
45 cis-1,2-Dichloroethene	96	3.943	3.943	0.0	67	281658	28.3	
43 2-Butanone (MEK)	43	3.992	3.992	0.0	96	708711	135.4	
48 Chlorobromomethane	128	4.138	4.138	0.0	92	119339	26.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.162	0.0	82	460879	137.0	
50 Chloroform	83	4.205	4.205	0.0	68	433591	26.9	
52 Cyclohexane	56	4.290	4.290	0.0	85	339487	24.8	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	89	295579	23.0	
55 Carbon tetrachloride	117	4.399	4.399	0.0	82	229431	21.0	
54 1,1-Dichloropropene	75	4.411	4.411	0.0	98	351467	28.1	
57 Benzene	78	4.582	4.582	0.0	96	1091847	28.6	
58 1,2-Dichloroethane	62	4.637	4.637	0.0	75	342913	26.1	
62 Trichloroethene	95	5.056	5.056	0.0	91	263759	27.7	
64 Methylcyclohexane	83	5.154	5.154	0.0	85	372208	21.9	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	95	256564	29.8	
67 Dibromomethane	93	5.360	5.360	0.0	90	157692	28.2	
68 Dichlorobromomethane	83	5.476	5.476	0.0	91	305461	25.0	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	90	941298	152.3	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	92	407505	26.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.914	5.914	0.0	92	1418642	136.2	
74 Toluene	92	6.017	6.017	0.0	87	693112	27.4	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	86	373021	24.3	
75 Ethyl methacrylate	69	6.261	6.261	0.0	66	409723	26.2	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	85	210284	28.0	
81 Tetrachloroethene	166	6.413	6.413	0.0	87	255254	27.1	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	85	455701	28.3	
80 2-Hexanone	43	6.547	6.547	0.0	75	1048982	136.3	
83 Chlorodibromomethane	129	6.675	6.675	0.0	85	200918	22.5	
84 Ethylene Dibromide	107	6.754	6.754	0.0	98	253626	28.6	
87 Chlorobenzene	112	7.106	7.106	0.0	85	732339	26.8	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1325349	27.6	
89 1,1,1,2-Tetrachloroethane	131	7.179	7.179	0.0	38	216726	28.0	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	1031678	56.5	
91 o-Xylene	106	7.581	7.581	0.0	97	499353	28.1	
92 Styrene	104	7.605	7.605	0.0	94	823776	29.7	
95 Bromoform	173	7.794	7.794	0.0	94	123520	27.9	
94 Isopropylbenzene	105	7.867	7.867	0.0	95	1297414	28.1	
101 Bromobenzene	156	8.141	8.141	0.0	94	294567	27.0	
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	79	367452	29.6	
99 N-Propylbenzene	91	8.195	8.195	0.0	78	1618555	28.8	
100 1,2,3-Trichloropropane	110	8.208	8.208	0.0	69	116073	28.2	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.214	0.0	82	379055	185.1	
103 2-Chlorotoluene	126	8.281	8.281	0.0	95	286814	27.2	
102 1,3,5-Trimethylbenzene	105	8.335	8.335	0.0	71	1096396	27.9	
105 4-Chlorotoluene	126	8.372	8.372	0.0	98	300843	27.0	
106 tert-Butylbenzene	134	8.603	8.603	0.0	89	220597	26.5	
107 1,2,4-Trimethylbenzene	105	8.646	8.646	0.0	62	1122018	28.1	
109 sec-Butylbenzene	105	8.779	8.779	0.0	94	1341432	27.5	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	92	1119963	28.1	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	71	578791	26.8	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	93	599202	26.6	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	1056932	27.2	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	94	568913	27.0	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.954	0.0	74	65773	27.3	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	93	425878	27.1	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	93	168314	25.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	1245355	27.4	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	94	399770	27.3	
S 125 1,2-Dichloroethene, Total	1				0		57.8	
S 126 1,3-Dichloropropene, Total	1				0		51.0	
S 123 Total BTEX	1				0		168.2	
S 124 Xylenes, Total	1				0		84.6	

Report Date: 04-Apr-2012 22:48:42

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12639.D

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Injection Date: 04-Apr-2012 22:31:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58178

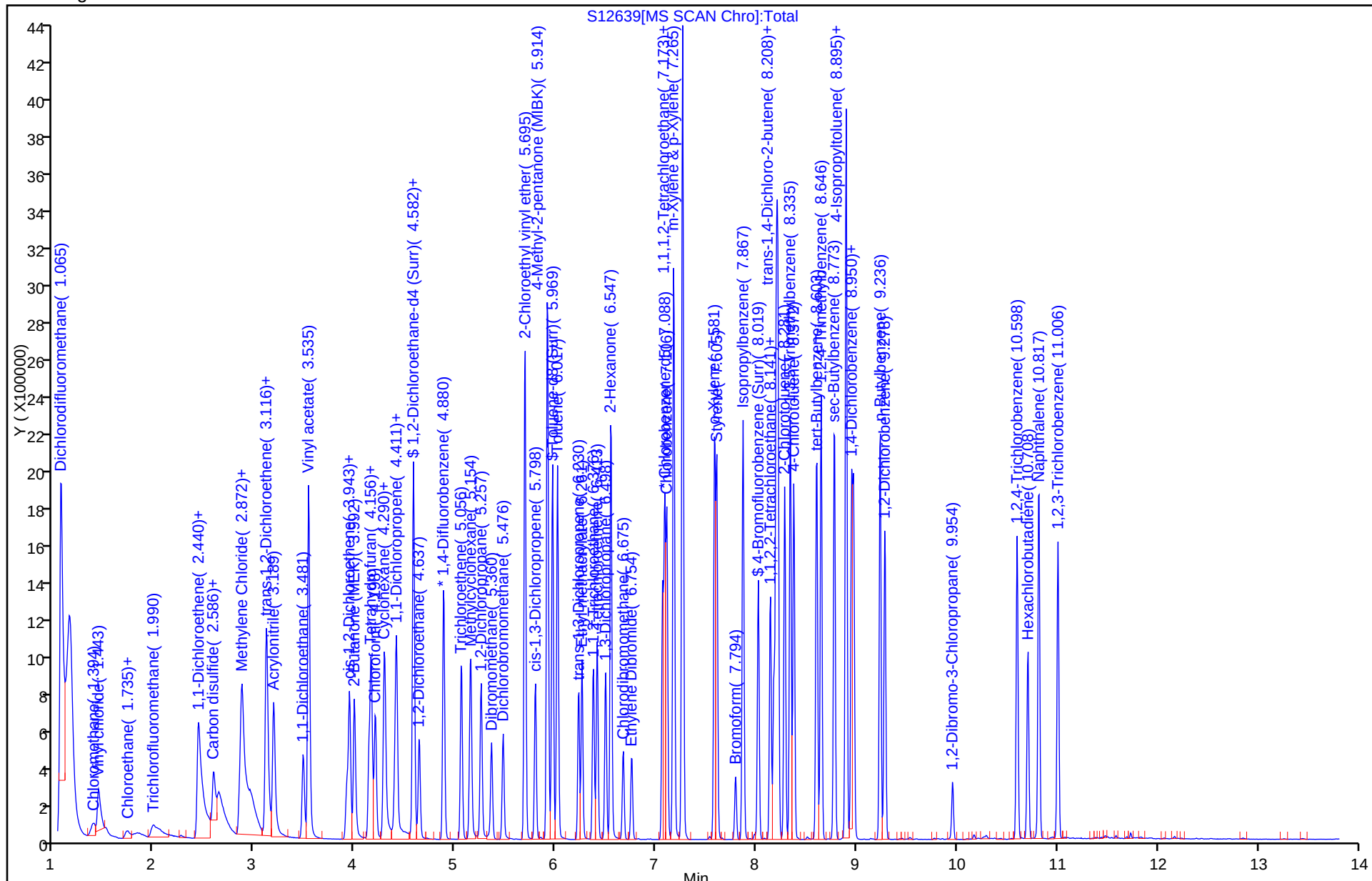
Lims Sample ID: 2

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58271/2 Calibration Date: 04/05/2012 10:22

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12667.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2526	0.2659		26.3	25.0	5.3	50.0
Chloromethane	QuaF		0.3032	0.1000	36.1	25.0	44.4	50.0
Vinyl chloride	Ave	0.2650	0.2702		25.5	25.0	1.9	20.0
Bromomethane	QuaF		0.0541		16.3	25.0	-34.8	50.0
Chloroethane	LinF		0.1032		14.7	25.0	-41.2	50.0
Trichlorofluoromethane	Ave	0.3016	0.2651		22.0	25.0	-12.1	50.0
Acrolein	Ave	0.0280	0.0313		559	500	11.9	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	LinF		0.1997		20.9	25.0	-16.4	50.0
1,1-Dichloroethene	Ave	0.2458	0.2432	0.1000	24.7	25.0	-1.1	20.0
Acetone	Ave	0.0986	0.0923		117	125	-6.4	50.0
Iodomethane	Ave	0.2740	0.2060		18.8	25.0	-24.8	50.0
Carbon disulfide	LinF		0.4551		14.9	25.0	-40.4	50.0
Methyl acetate	Ave	0.2900	0.2804		24.2	25.0	-3.3	50.0
Acetonitrile	Ave	0.0193	0.0193		1000	1000	0.1	50.0
Methylene Chloride	Ave	0.3134	0.2916		23.3	25.0	-7.0	50.0
Methyl tert-butyl ether	Ave	0.8687	0.8163		23.5	25.0	-6.0	50.0
trans-1,2-Dichloroethene	Ave	0.2505	0.2429		24.2	25.0	-3.1	50.0
Acrylonitrile	Ave	0.1043	0.1120		134	125	7.4	50.0
1,1-Dichloroethane	Ave	0.4327	0.4121		23.8	25.0	-4.8	50.0
Vinyl acetate	LinF		0.4799		115	125	-7.8	50.0
2,2-Dichloropropane	Ave	0.2893	0.2440		21.1	25.0	-15.7	50.0
cis-1,2-Dichloroethene	Ave	0.2840	0.2728		24.0	25.0	-3.9	50.0
2-Butanone (MEK)	Ave	0.1494	0.1451		121	125	-2.9	50.0
Bromochloromethane	Ave	0.1265	0.1175		23.2	25.0	-7.1	50.0
Tetrahydrofuran	Ave	0.0960	0.0927		121	125	-3.4	50.0
Chloroform	Ave	0.4594	0.4173		22.7	25.0	-9.2	20.0
1,1,1-Trichloroethane	Ave	0.3664	0.2775		18.9	25.0	-24.3	50.0
Cyclohexane	Ave	0.3898	0.2669		17.1	25.0	-31.6	50.0
Carbon tetrachloride	LinF		0.2190		17.5	25.0	-30.0	50.0
1,1-Dichloropropene	Ave	0.3564	0.3440		24.1	25.0	-3.5	50.0
Benzene	Ave	1.091	1.077		24.7	25.0	-1.2	50.0
1,2-Dichloroethane	Ave	0.3742	0.3376		22.6	25.0	-9.8	50.0
Trichloroethene	Ave	0.2717	0.2591		23.8	25.0	-4.6	50.0
Methylcyclohexane	LinF		0.3569		18.4	25.0	-26.4	50.0
1,2-Dichloropropane	Ave	0.2457	0.2532		25.8	25.0	3.0	20.0
Dibromomethane	Ave	0.1594	0.1550		24.3	25.0	-2.7	50.0
Bromodichloromethane	LinF		0.2842		20.4	25.0	-18.4	50.0
2-Chloroethyl vinyl ether	LinF		0.1848		131	125	4.8	50.0
cis-1,3-Dichloropropene	LinF		0.3846		22.1	25.0	-11.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5713	0.5518		121	125	-3.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58271/2 Calibration Date: 04/05/2012 10:22

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12667.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.387	1.299		23.4	25.0	-6.4	20.0
trans-1,3-Dichloropropene	LinF		0.6784		20.1	25.0	-19.6	50.0
Ethyl methacrylate	Lin1F		0.7827		22.8	25.0	-8.8	50.0
1,1,2-Trichloroethane	Ave	0.4117	0.4032		24.5	25.0	-2.1	50.0
Tetrachloroethene	Ave	0.5172	0.4710		22.8	25.0	-8.9	50.0
1,3-Dichloropropane	Ave	0.8844	0.8627		24.4	25.0	-2.5	50.0
2-Hexanone	Ave	0.4222	0.4101		121	125	-2.9	50.0
Dibromochloromethane	LinF		0.3512		17.9	25.0	-28.4	50.0
1,2-Dibromoethane	Ave	0.4862	0.4731		24.3	25.0	-2.7	50.0
Chlorobenzene	Ave	1.501	1.356	0.3000	22.6	25.0	-9.6	50.0
Ethylbenzene	Ave	2.631	2.454		23.3	25.0	-6.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4253	0.3968		23.3	25.0	-6.7	50.0
m,p-Xylene	Ave	1.002	0.9516		47.5	50.0	-5.1	50.0
o-Xylene	Ave	0.9742	0.9294		23.9	25.0	-4.6	50.0
Styrene	Ave	1.521	1.528		25.1	25.0	0.5	50.0
Bromoform	QuaF		0.2095	0.1000	22.3	25.0	-10.8	50.0
Isopropylbenzene	Ave	2.806	2.685		23.9	25.0	-4.3	50.0
Bromobenzene	Ave	0.6634	0.6188		23.3	25.0	-6.7	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7537	0.7643	0.3000	25.4	25.0	1.4	50.0
N-Propylbenzene	Ave	3.409	3.328		24.4	25.0	-2.4	50.0
1,2,3-Trichloropropane	Ave	0.2502	0.2448		24.5	25.0	-2.2	50.0
trans-1,4-Dichloro-2-butene	QuaF		0.1425		149	125	19.0	50.0
2-Chlorotoluene	Ave	0.6399	0.5943		23.2	25.0	-7.1	50.0
1,3,5-Trimethylbenzene	Ave	2.384	2.267		23.8	25.0	-4.9	50.0
4-Chlorotoluene	Ave	0.6755	0.6324		23.4	25.0	-6.4	50.0
tert-Butylbenzene	Ave	0.5059	0.4631		22.9	25.0	-8.5	50.0
1,2,4-Trimethylbenzene	Ave	2.421	2.306		23.8	25.0	-4.8	50.0
sec-Butylbenzene	Ave	2.964	2.787		23.5	25.0	-6.0	50.0
1,3-Dichlorobenzene	Ave	1.309	1.206		23.0	25.0	-7.9	50.0
4-Isopropyltoluene	Ave	2.418	2.313		23.9	25.0	-4.3	50.0
1,4-Dichlorobenzene	Ave	1.369	1.250		22.8	25.0	-8.7	50.0
n-Butylbenzene	Ave	2.356	2.206		23.4	25.0	-6.4	50.0
1,2-Dichlorobenzene	Ave	1.282	1.181		23.0	25.0	-7.9	50.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1307		22.7	25.0	-9.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9532	0.8797		23.1	25.0	-7.7	50.0
Hexachlorobutadiene	Ave	0.1859	0.1617		21.7	25.0	-13.0	50.0
Naphthalene	Ave	1.298	1.189		22.9	25.0	-8.4	50.0
1,2,3-Trichlorobenzene	Ave	0.4174	0.3748		22.4	25.0	-10.2	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1525	0.1794		29.4	25.0	17.7	50.0
Toluene-d8 (Surr)	Ave	1.869	2.275		30.4	25.0	21.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5557	0.6275		28.2	25.0	12.9	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12667.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 05-Apr-2012 10:56:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-00010748-002 =480-00010748-002
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 58271 Lims Sample ID: 2
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 11:23:25 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 11:23:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.880	4.880	0.0	91	856414	25.0	
* 2 Chlorobenzene-d5	82	7.082	7.082	0.0	86	446793	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	51	397411	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	55	153626	29.4	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	49	1016373	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	86	280339	28.2	
10 Dichlorodifluoromethane	85	1.217	1.217	0.0	86	227723	26.3	
12 Chloromethane	50	1.400	1.400	0.0	89	259664	36.1	
13 Vinyl chloride	62	1.467	1.467	0.0	67	231372	25.5	
14 Bromomethane	94	1.728	1.728	0.0	85	46326	16.3	
15 Chloroethane	64	1.868	1.868	0.0	85	88400	14.7	
17 Trichlorofluoromethane	101	1.984	1.984	0.0	77	226995	22.0	
20 Acrolein	56	2.440	2.440	0.0	96	536106	559.3	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.446	2.446	0.0	31	171004	20.9	
22 1,1-Dichloroethene	96	2.477	2.477	0.0	89	208276	24.7	
23 Acetone	43	2.592	2.592	0.0	98	395358	117.1	
25 Iodomethane	142	2.647	2.647	0.0	51	176432	18.8	
26 Carbon disulfide	76	2.653	2.653	0.0	97	389749	14.9	
27 Methyl acetate	43	2.848	2.848	0.0	95	240171	24.2	
29 Acetonitrile	40	2.872	2.872	0.0	98	662106	1001.1	
30 Methylene Chloride	84	2.970	2.970	0.0	77	249711	23.3	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	87	699067	23.5	
34 trans-1,2-Dichloroethene	96	3.116	3.116	0.0	42	207989	24.2	
33 Acrylonitrile	53	3.189	3.189	0.0	99	479734	134.2	
39 1,1-Dichloroethane	63	3.481	3.481	0.0	85	352931	23.8	
37 Vinyl acetate	43	3.535	3.535	0.0	96	2054901	115.3	
44 2,2-Dichloropropane	77	3.919	3.919	0.0	87	208958	21.1	
45 cis-1,2-Dichloroethene	96	3.943	3.943	0.0	67	233644	24.0	
43 2-Butanone (MEK)	43	3.992	3.992	0.0	96	621118	121.4	
48 Chlorobromomethane	128	4.138	4.138	0.0	92	100634	23.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.162	0.0	82	397105	120.8	
50 Chloroform	83	4.198	4.198	0.0	69	357340	22.7	
52 Cyclohexane	56	4.290	4.290	0.0	78	228530	17.1	
51 1,1,1-Trichloroethane	97	4.290	4.290	0.0	89	237621	18.9	
55 Carbon tetrachloride	117	4.399	4.399	0.0	79	187543	17.5	
54 1,1-Dichloropropene	75	4.411	4.411	0.0	98	294584	24.1	
57 Benzene	78	4.582	4.582	0.0	95	922723	24.7	
58 1,2-Dichloroethane	62	4.636	4.636	0.0	74	289163	22.6	
62 Trichloroethene	95	5.056	5.056	0.0	92	221899	23.8	
64 Methylcyclohexane	83	5.154	5.154	0.0	85	305686	18.4	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	95	216848	25.8	
67 Dibromomethane	93	5.360	5.360	0.0	90	132781	24.3	
68 Dichlorobromomethane	83	5.476	5.476	0.0	88	243404	20.4	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	89	791325	131.0	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	91	329337	22.1	
73 4-Methyl-2-pentanone (MIBK)	43	5.914	5.914	0.0	92	1232668	120.7	
74 Toluene	92	6.017	6.017	0.0	87	580197	23.4	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	86	303113	20.1	
75 Ethyl methacrylate	69	6.261	6.261	0.0	66	349704	22.8	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	85	180165	24.5	
81 Tetrachloroethene	166	6.413	6.413	0.0	78	210434	22.8	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	85	385425	24.4	
80 2-Hexanone	43	6.547	6.547	0.0	92	916203	121.4	
83 Chlorodibromomethane	129	6.674	6.674	0.0	85	156907	17.9	
84 Ethylene Dibromide	107	6.753	6.753	0.0	97	211375	24.3	
87 Chlorobenzene	112	7.106	7.106	0.0	84	606028	22.6	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1096368	23.3	
89 1,1,1,2-Tetrachloroethane	131	7.179	7.179	0.0	38	177276	23.3	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	850346	47.5	
91 o-Xylene	106	7.581	7.581	0.0	96	415244	23.9	
92 Styrene	104	7.605	7.605	0.0	94	682671	25.1	
95 Bromoform	173	7.794	7.794	0.0	95	93585	22.3	
94 Isopropylbenzene	105	7.867	7.867	0.0	95	1067208	23.9	
101 Bromobenzene	156	8.141	8.141	0.0	94	245920	23.3	
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	77	303735	25.4	
99 N-Propylbenzene	91	8.195	8.195	0.0	77	1322583	24.4	
100 1,2,3-Trichloropropane	110	8.207	8.207	0.0	68	97276	24.5	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.214	0.0	81	283143	148.7	
103 2-Chlorotoluene	126	8.280	8.280	0.0	95	236181	23.2	
102 1,3,5-Trimethylbenzene	105	8.335	8.335	0.0	80	900921	23.8	
105 4-Chlorotoluene	126	8.372	8.372	0.0	98	251328	23.4	
106 tert-Butylbenzene	134	8.603	8.603	0.0	89	184030	22.9	
107 1,2,4-Trimethylbenzene	105	8.645	8.645	0.0	69	916463	23.8	
109 sec-Butylbenzene	105	8.773	8.773	0.0	94	1107633	23.5	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	92	919364	23.9	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	71	479222	23.0	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	93	496808	22.8	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	876765	23.4	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	90	469185	23.0	
117 1,2-Dibromo-3-Chloropropane	75	9.953	9.953	0.0	76	51953	22.7	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	92	349593	23.1	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	93	138461	21.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	1018595	22.9	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	94	320955	22.4	
S 123 Total BTEX	1				0		142.7	
S 124 Xylenes, Total	1				0		71.3	
S 125 1,2-Dichloroethene, Total	1				0		48.3	
S 126 1,3-Dichloropropene, Total	1				0		42.2	

Report Date: 05-Apr-2012 11:23:25

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12667.D

Injection Date: 05-Apr-2012 10:56:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58271

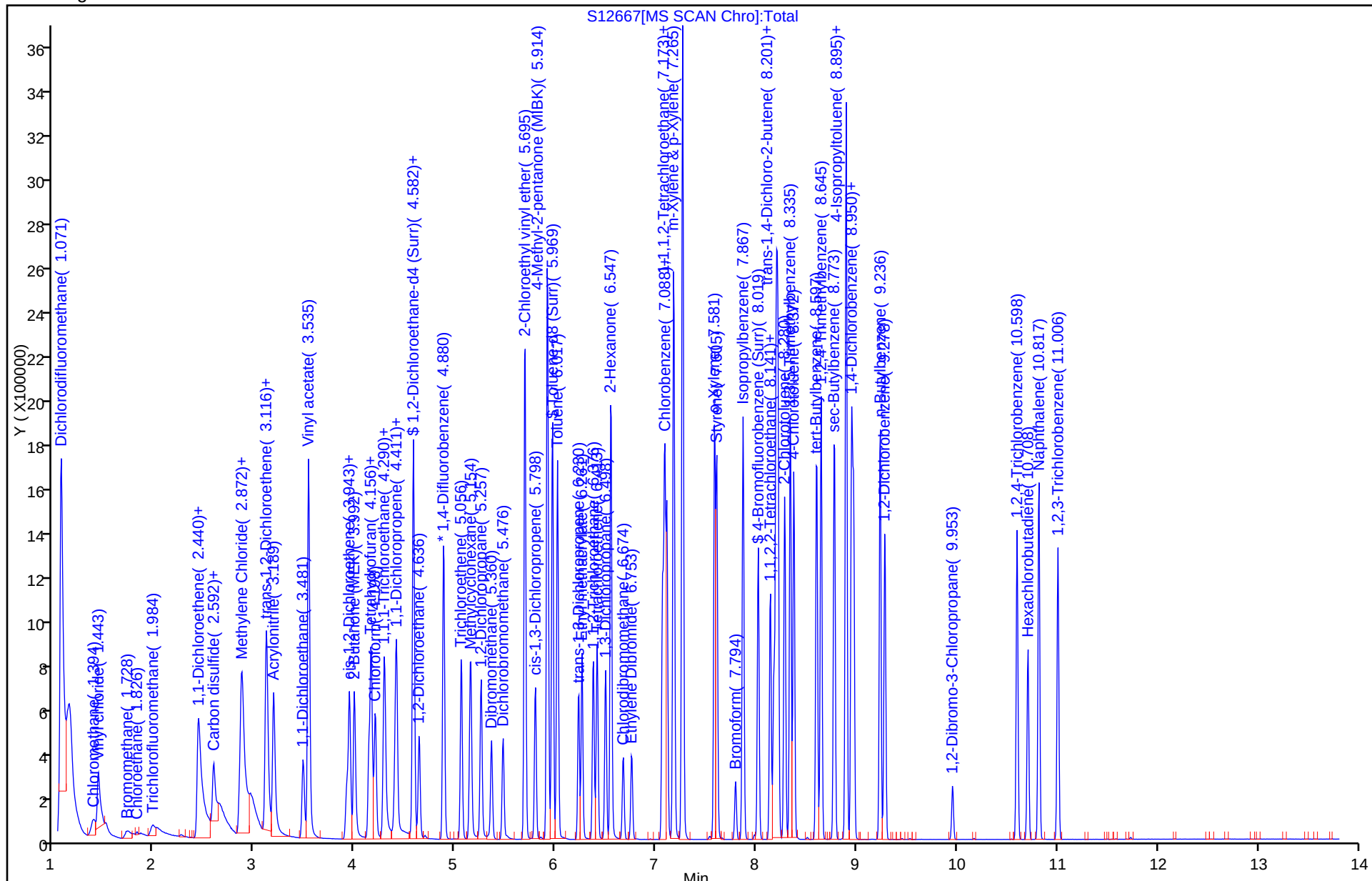
Lims Sample ID: 2

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58433/2 Calibration Date: 04/06/2012 10:29

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12708.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2526	0.2950		29.2	25.0	16.8	50.0
Chloromethane	QuaF		0.3136	0.1000	37.0	25.0	48.0	50.0
Vinyl chloride	Ave	0.2650	0.2978		28.1	25.0	12.4	20.0
Bromomethane	QuaF		0.0888		25.1	25.0	0.4	50.0
Chloroethane	LinF		0.1563		22.3	25.0	-10.8	50.0
Trichlorofluoromethane	Ave	0.3016	0.3024		25.1	25.0	0.3	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1F		0.2186		22.8	25.0	-8.8	50.0
Acrolein	Ave	0.0280	0.0346		618	500	23.6	50.0
1,1-Dichloroethene	Ave	0.2458	0.2514	0.1000	25.6	25.0	2.3	20.0
Acetone	Ave	0.0986	0.1055		134	125	7.0	50.0
Iodomethane	Ave	0.2740	0.2315		21.1	25.0	-15.5	50.0
Carbon disulfide	Lin1F		0.5457		17.9	25.0	-28.4	50.0
Methyl acetate	Ave	0.2900	0.3221		27.8	25.0	11.1	50.0
Acetonitrile	Ave	0.0193	0.0218		1130	1000	12.9	50.0
Methylene Chloride	Ave	0.3134	0.3142		25.1	25.0	0.3	50.0
Methyl tert-butyl ether	Ave	0.8687	0.9467		27.2	25.0	9.0	50.0
trans-1,2-Dichloroethene	Ave	0.2505	0.2652		26.5	25.0	5.8	50.0
Acrylonitrile	Ave	0.1043	0.1294		155	125	24.0	50.0
1,1-Dichloroethane	Ave	0.4327	0.4616		26.7	25.0	6.7	50.0
Vinyl acetate	Lin1F		0.5501		132	125	5.7	50.0
2,2-Dichloropropane	Ave	0.2893	0.2735		23.6	25.0	-5.5	50.0
cis-1,2-Dichloroethene	Ave	0.2840	0.2901		25.5	25.0	2.1	50.0
2-Butanone (MEK)	Ave	0.1494	0.1668		140	125	11.7	50.0
Bromochloromethane	Ave	0.1265	0.1268		25.1	25.0	0.3	50.0
Tetrahydrofuran	Ave	0.0960	0.1072		140	125	11.7	50.0
Chloroform	Ave	0.4594	0.4427		24.1	25.0	-3.6	20.0
Cyclohexane	Ave	0.3898	0.3239		20.8	25.0	-16.9	50.0
1,1,1-Trichloroethane	Ave	0.3664	0.3079		21.0	25.0	-16.0	50.0
Carbon tetrachloride	Lin1F		0.2726		21.8	25.0	-12.8	50.0
1,1-Dichloropropene	Ave	0.3564	0.3663		25.7	25.0	2.8	50.0
Benzene	Ave	1.091	1.136		26.0	25.0	4.2	50.0
1,2-Dichloroethane	Ave	0.3742	0.3617		24.2	25.0	-3.3	50.0
Trichloroethene	Ave	0.2717	0.2731		25.1	25.0	0.5	50.0
Methylcyclohexane	Lin1F		0.4191		21.6	25.0	-13.6	50.0
1,2-Dichloropropane	Ave	0.2457	0.2660		27.1	25.0	8.3	20.0
Dibromomethane	Ave	0.1594	0.1642		25.7	25.0	3.0	50.0
Bromodichloromethane	Lin1F		0.3084		22.1	25.0	-11.6	50.0
2-Chloroethyl vinyl ether	Lin1F		0.2219		157	125	25.8	50.0
cis-1,3-Dichloropropene	Lin1F		0.4225		24.3	25.0	-2.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5713	0.6394		140	125	11.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58433/2 Calibration Date: 04/06/2012 10:29

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12708.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.387	1.381		24.9	25.0	-0.5	20.0
trans-1,3-Dichloropropene	LinF		0.7426		22.0	25.0	-12.0	50.0
Ethyl methacrylate	Lin1F		0.9137		26.6	25.0	6.4	50.0
1,1,2-Trichloroethane	Ave	0.4117	0.4225		25.7	25.0	2.6	50.0
Tetrachloroethene	Ave	0.5172	0.5099		24.6	25.0	-1.4	50.0
1,3-Dichloropropane	Ave	0.8844	0.9153		25.9	25.0	3.5	50.0
2-Hexanone	Ave	0.4222	0.4756		141	125	12.7	50.0
Dibromochloromethane	LinF		0.3880		19.8	25.0	-20.8	50.0
1,2-Dibromoethane	Ave	0.4862	0.5031		25.9	25.0	3.5	50.0
Chlorobenzene	Ave	1.501	1.455	0.3000	24.2	25.0	-3.1	50.0
Ethylbenzene	Ave	2.631	2.615		24.9	25.0	-0.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4253	0.4254		25.0	25.0	0.0	50.0
m,p-Xylene	Ave	1.002	1.015		50.6	50.0	1.3	50.0
o-Xylene	Ave	0.9742	0.9862		25.3	25.0	1.2	50.0
Styrene	Ave	1.521	1.632		26.8	25.0	7.3	50.0
Bromoform	QuaF		0.2337	0.1000	24.5	25.0	-2.0	50.0
Isopropylbenzene	Ave	2.806	2.892		25.8	25.0	3.1	50.0
Bromobenzene	Ave	0.6634	0.6627		25.0	25.0	-0.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7537	0.8108	0.3000	26.9	25.0	7.6	50.0
N-Propylbenzene	Ave	3.409	3.616		26.5	25.0	6.1	50.0
1,2,3-Trichloropropane	Ave	0.2502	0.2572		25.7	25.0	2.8	50.0
trans-1,4-Dichloro-2-butene	QuaF		0.1821		183	125	46.6	50.0
2-Chlorotoluene	Ave	0.6399	0.6275		24.5	25.0	-1.9	50.0
1,3,5-Trimethylbenzene	Ave	2.384	2.433		25.5	25.0	2.1	50.0
4-Chlorotoluene	Ave	0.6755	0.6631		24.5	25.0	-1.8	50.0
tert-Butylbenzene	Ave	0.5059	0.4977		24.6	25.0	-1.6	50.0
1,2,4-Trimethylbenzene	Ave	2.421	2.474		25.5	25.0	2.2	50.0
sec-Butylbenzene	Ave	2.964	3.046		25.7	25.0	2.8	50.0
1,3-Dichlorobenzene	Ave	1.309	1.289		24.6	25.0	-1.6	50.0
4-Isopropyltoluene	Ave	2.418	2.513		26.0	25.0	3.9	50.0
1,4-Dichlorobenzene	Ave	1.369	1.342		24.5	25.0	-2.0	50.0
n-Butylbenzene	Ave	2.356	2.405		25.5	25.0	2.1	50.0
1,2-Dichlorobenzene	Ave	1.282	1.260		24.6	25.0	-1.7	50.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1404		24.2	25.0	-3.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9532	0.9592		25.2	25.0	0.6	50.0
Hexachlorobutadiene	Ave	0.1859	0.1780		23.9	25.0	-4.2	50.0
Naphthalene	Ave	1.298	1.304		25.1	25.0	0.5	50.0
1,2,3-Trichlorobenzene	Ave	0.4174	0.4185		25.1	25.0	0.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1525	0.1789		29.3	25.0	17.3	50.0
Toluene-d8 (Surr)	Ave	1.869	2.292		30.7	25.0	22.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5557	0.6351		28.6	25.0	14.3	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12708.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 06-Apr-2012 10:29:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0010776-002 =480-0010776-002
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 58433 Lims Sample ID: 2
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 10:48:37 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 10:48:37

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	836420	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	435696	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	49	390077	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	54	149602	29.3	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	47	998754	30.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	276728	28.6	
10 Dichlorodifluoromethane	85	1.218	1.218	0.0	85	246721	29.2	
12 Chloromethane	50	1.400	1.400	0.0	89	262288	37.0	
13 Vinyl chloride	62	1.455	1.455	0.0	71	249057	28.1	
14 Bromomethane	94	1.735	1.735	0.0	89	74231	25.1	
15 Chloroethane	64	1.850	1.850	0.0	80	130734	22.3	
17 Trichlorofluoromethane	101	1.996	1.996	0.0	76	252897	25.1	
20 Acrolein	56	2.440	2.440	0.0	96	578435	617.9	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.440	2.440	0.0	28	182801	22.8	
22 1,1-Dichloroethene	96	2.471	2.471	0.0	81	210265	25.6	
23 Acetone	43	2.592	2.592	0.0	97	441318	133.8	
25 Iodomethane	142	2.641	2.641	0.0	49	193628	21.1	
26 Carbon disulfide	76	2.653	2.653	0.0	96	456471	17.9	
27 Methyl acetate	43	2.848	2.848	0.0	95	269448	27.8	
29 Acetonitrile	40	2.872	2.872	0.0	99	729469	1129.3	
30 Methylene Chloride	84	2.963	2.963	0.0	73	262786	25.1	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	87	791833	27.2	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	44	221783	26.5	
33 Acrylonitrile	53	3.189	3.189	0.0	98	541277	155.0	
39 1,1-Dichloroethane	63	3.481	3.481	0.0	85	386105	26.7	
37 Vinyl acetate	43	3.535	3.535	0.0	97	2300371	132.1	
44 2,2-Dichloropropane	77	3.919	3.919	0.0	88	228769	23.6	
45 cis-1,2-Dichloroethene	96	3.943	3.943	0.0	67	242605	25.5	
43 2-Butanone (MEK)	43	3.992	3.992	0.0	96	697585	139.6	
48 Chlorobromomethane	128	4.138	4.138	0.0	93	106061	25.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.162	0.0	82	448409	139.7	
50 Chloroform	83	4.205	4.205	0.0	67	370261	24.1	
52 Cyclohexane	56	4.290	4.290	0.0	85	270926	20.8	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	89	257554	21.0	
55 Carbon tetrachloride	117	4.399	4.399	0.0	82	228001	21.8	
54 1,1-Dichloropropene	75	4.411	4.411	0.0	97	306389	25.7	
57 Benzene	78	4.582	4.582	0.0	96	950368	26.0	
58 1,2-Dichloroethane	62	4.636	4.636	0.0	73	302561	24.2	
62 Trichloroethene	95	5.056	5.056	0.0	92	228382	25.1	
64 Methylcyclohexane	83	5.154	5.154	0.0	85	350526	21.6	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	95	222509	27.1	
67 Dibromomethane	93	5.360	5.360	0.0	89	137305	25.7	
68 Dichlorobromomethane	83	5.476	5.476	0.0	91	257962	22.1	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	89	927980	157.3	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	91	353416	24.3	
73 4-Methyl-2-pentanone (MIBK)	43	5.914	5.914	0.0	92	1392847	139.9	
74 Toluene	92	6.017	6.017	0.0	87	601674	24.9	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	86	323564	22.0	
75 Ethyl methacrylate	69	6.261	6.261	0.0	79	398082	26.6	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	85	184063	25.7	
81 Tetrachloroethene	166	6.413	6.413	0.0	83	222149	24.6	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	85	398785	25.9	
80 2-Hexanone	43	6.547	6.547	0.0	88	1036044	140.8	
83 Chlorodibromomethane	129	6.674	6.674	0.0	85	169037	19.8	
84 Ethylene Dibromide	107	6.754	6.754	0.0	97	219196	25.9	
87 Chlorobenzene	112	7.106	7.106	0.0	85	633901	24.2	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1139392	24.9	
89 1,1,1,2-Tetrachloroethane	131	7.179	7.179	0.0	37	185348	25.0	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	884790	50.6	
91 o-Xylene	106	7.581	7.581	0.0	97	429668	25.3	
92 Styrene	104	7.605	7.605	0.0	94	710913	26.8	
95 Bromoform	173	7.794	7.794	0.0	94	101806	24.5	
94 Isopropylbenzene	105	7.867	7.867	0.0	95	1128179	25.8	
101 Bromobenzene	156	8.141	8.141	0.0	94	258503	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	78	316269	26.9	
99 N-Propylbenzene	91	8.195	8.195	0.0	76	1410492	26.5	
100 1,2,3-Trichloropropane	110	8.208	8.208	0.0	65	100325	25.7	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.214	0.0	83	355067	183.3	
103 2-Chlorotoluene	126	8.281	8.281	0.0	95	244756	24.5	
102 1,3,5-Trimethylbenzene	105	8.335	8.335	0.0	81	949054	25.5	
105 4-Chlorotoluene	126	8.372	8.372	0.0	98	258640	24.5	
106 tert-Butylbenzene	134	8.603	8.603	0.0	89	194131	24.6	
107 1,2,4-Trimethylbenzene	105	8.646	8.646	0.0	62	964997	25.5	
109 sec-Butylbenzene	105	8.779	8.779	0.0	94	1188217	25.7	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	92	980276	26.0	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	70	502617	24.6	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	94	523543	24.5	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	938195	25.5	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	94	491481	24.6	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.954	0.0	72	54769	24.2	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	93	374159	25.2	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	93	148881	23.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	1090718	25.1	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	94	350018	25.1	
S 123 Total BTEX	1				0		151.7	
S 124 Xylenes, Total	1				0		76.0	
S 125 1,2-Dichloroethene, Total	1				0		52.0	
S 126 1,3-Dichloropropene, Total	1				0		46.3	

Report Date: 06-Apr-2012 10:48:37

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12708.D

Injection Date: 06-Apr-2012 10:29:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58433

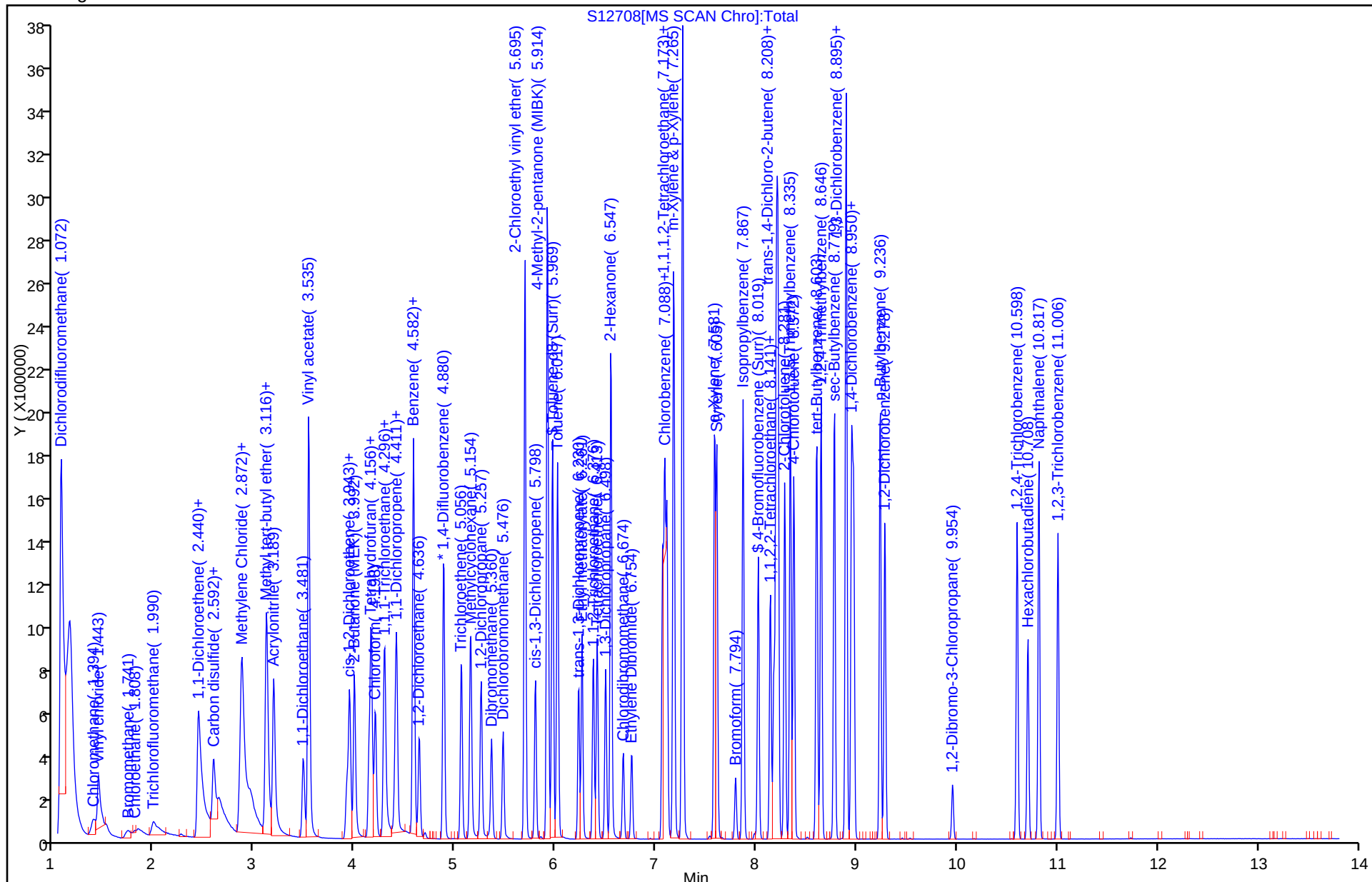
Lims Sample ID: 2

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58561/2 Calibration Date: 04/06/2012 21:37

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12737.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2526	0.0910		9.01	25.0	-64.0*	50.0
Chloromethane	QuaF		0.1326	0.1000	18.5	25.0	-26.0	50.0
Vinyl chloride	Ave	0.2650	0.2157		20.3	25.0	-18.6	20.0
Bromomethane	QuaF		0.0516		15.7	25.0	-37.2	50.0
Chloroethane	LinF		0.1115		15.9	25.0	-36.4	50.0
Trichlorofluoromethane	Ave	0.3016	0.2665		22.1	25.0	-11.6	50.0
Acrolein	Ave	0.0280	0.0337		602	500	20.4	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	LinF		0.1794		18.7	25.0	-25.2	50.0
1,1-Dichloroethene	Ave	0.2458	0.2547	0.1000	25.9	25.0	3.6	20.0
Acetone	Ave	0.0986	0.0964		122	125	-2.3	50.0
Iodomethane	Ave	0.2740	0.2571		23.5	25.0	-6.2	50.0
Carbon disulfide	LinF		0.6736		22.1	25.0	-11.6	50.0
Methyl acetate	Ave	0.2900	0.3026		26.1	25.0	4.3	50.0
Acetonitrile	Ave	0.0193	0.0209		1080	1000	8.2	50.0
Methylene Chloride	Ave	0.3134	0.3146		25.1	25.0	0.4	50.0
Methyl tert-butyl ether	Ave	0.8687	0.8960		25.8	25.0	3.1	50.0
trans-1,2-Dichloroethene	Ave	0.2505	0.2747		27.4	25.0	9.6	50.0
Acrylonitrile	Ave	0.1043	0.1224		147	125	17.3	50.0
1,1-Dichloroethane	Ave	0.4327	0.4492		26.0	25.0	3.8	50.0
Vinyl acetate	LinF		0.5149		124	125	-1.0	50.0
2,2-Dichloropropane	Ave	0.2893	0.2696		23.3	25.0	-6.8	50.0
cis-1,2-Dichloroethene	Ave	0.2840	0.2918		25.7	25.0	2.7	50.0
2-Butanone (MEK)	Ave	0.1494	0.1528		128	125	2.3	50.0
Bromochloromethane	Ave	0.1265	0.1251		24.7	25.0	-1.1	50.0
Tetrahydrofuran	Ave	0.0960	0.0989		129	125	3.1	50.0
Chloroform	Ave	0.4594	0.4556		24.8	25.0	-0.8	20.0
Cyclohexane	Ave	0.3898	0.3761		24.1	25.0	-3.5	50.0
1,1,1-Trichloroethane	Ave	0.3664	0.3043		20.8	25.0	-16.9	50.0
Carbon tetrachloride	LinF		0.2346		18.8	25.0	-24.8	50.0
1,1-Dichloropropene	Ave	0.3564	0.3754		26.3	25.0	5.3	50.0
Benzene	Ave	1.091	1.166		26.7	25.0	6.9	50.0
1,2-Dichloroethane	Ave	0.3742	0.3625		24.2	25.0	-3.1	50.0
Trichloroethene	Ave	0.2717	0.2818		25.9	25.0	3.7	50.0
Methylcyclohexane	LinF		0.4341		22.4	25.0	-10.4	50.0
1,2-Dichloropropane	Ave	0.2457	0.2733		27.8	25.0	11.2	20.0
Dibromomethane	Ave	0.1594	0.1663		26.1	25.0	4.3	50.0
Bromodichloromethane	LinF		0.3167		22.7	25.0	-9.2	50.0
2-Chloroethyl vinyl ether	LinF		0.2042		145	125	15.8	50.0
cis-1,3-Dichloropropene	LinF		0.4305		24.8	25.0	-0.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5713	0.5793		127	125	1.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58561/2 Calibration Date: 04/06/2012 21:37

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12737.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.387	1.416		25.5	25.0	2.0	20.0
trans-1,3-Dichloropropene	LinF		0.7335		21.7	25.0	-13.2	50.0
Ethyl methacrylate	Lin1F		0.8263		24.1	25.0	-3.6	50.0
1,1,2-Trichloroethane	Ave	0.4117	0.4306		26.1	25.0	4.6	50.0
Tetrachloroethene	Ave	0.5172	0.5138		24.8	25.0	-0.7	50.0
1,3-Dichloropropane	Ave	0.8844	0.9268		26.2	25.0	4.8	50.0
2-Hexanone	Ave	0.4222	0.4290		127	125	1.6	50.0
Dibromochloromethane	LinF		0.3808		19.4	25.0	-22.4	50.0
1,2-Dibromoethane	Ave	0.4862	0.5031		25.9	25.0	3.5	50.0
Chlorobenzene	Ave	1.501	1.474	0.3000	24.5	25.0	-1.8	50.0
Ethylbenzene	Ave	2.631	2.673		25.4	25.0	1.6	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4253	0.4283		25.2	25.0	0.7	50.0
m,p-Xylene	Ave	1.002	1.031		51.4	50.0	2.8	50.0
o-Xylene	Ave	0.9742	1.005		25.8	25.0	3.2	50.0
Styrene	Ave	1.521	1.641		27.0	25.0	7.9	50.0
Bromoform	QuaF		0.2249	0.1000	23.7	25.0	-5.2	50.0
Isopropylbenzene	Ave	2.806	2.950		26.3	25.0	5.1	50.0
Bromobenzene	Ave	0.6634	0.6630		25.0	25.0	-0.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7537	0.8301	0.3000	27.5	25.0	10.1	50.0
N-Propylbenzene	Ave	3.409	3.667		26.9	25.0	7.6	50.0
1,2,3-Trichloropropane	Ave	0.2502	0.2655		26.5	25.0	6.1	50.0
trans-1,4-Dichloro-2-butene	QuaF		0.1520		157	125	25.8	50.0
2-Chlorotoluene	Ave	0.6399	0.6474		25.3	25.0	1.2	50.0
1,3,5-Trimethylbenzene	Ave	2.384	2.509		26.3	25.0	5.3	50.0
4-Chlorotoluene	Ave	0.6755	0.6869		25.4	25.0	1.7	50.0
tert-Butylbenzene	Ave	0.5059	0.5045		24.9	25.0	-0.3	50.0
1,2,4-Trimethylbenzene	Ave	2.421	2.556		26.4	25.0	5.6	50.0
sec-Butylbenzene	Ave	2.964	3.108		26.2	25.0	4.9	50.0
1,3-Dichlorobenzene	Ave	1.309	1.318		25.2	25.0	0.6	50.0
4-Isopropyltoluene	Ave	2.418	2.565		26.5	25.0	6.1	50.0
1,4-Dichlorobenzene	Ave	1.369	1.373		25.1	25.0	0.3	50.0
n-Butylbenzene	Ave	2.356	2.433		25.8	25.0	3.3	50.0
1,2-Dichlorobenzene	Ave	1.282	1.290		25.2	25.0	0.6	50.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1411		24.4	25.0	-2.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9532	0.9549		25.0	25.0	0.2	50.0
Hexachlorobutadiene	Ave	0.1859	0.1911		25.7	25.0	2.8	50.0
Naphthalene	Ave	1.298	1.297		25.0	25.0	-0.1	50.0
1,2,3-Trichlorobenzene	Ave	0.4174	0.4169		25.0	25.0	-0.1	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1525	0.1775		29.1	25.0	16.4	50.0
Toluene-d8 (Surr)	Ave	1.869	2.274		30.4	25.0	21.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5557	0.6215		28.0	25.0	11.8	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12737.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 06-Apr-2012 21:37:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0010796-002 =480-0010796-002
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 58561 Lims Sample ID: 2
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
 Last Update: 06-Apr-2012 21:53:19 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 21:53:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	827819	25.0	
* 2 Chlorobenzene-d5	82	7.082	7.082	0.0	85	434551	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	52	385498	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	54	146918	29.1	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	48	988247	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	270085	28.0	
10 Dichlorodifluoromethane	85	1.218	1.218	0.0	73	75354	9.01	
12 Chloromethane	50	1.394	1.394	0.0	89	109782	18.5	
13 Vinyl chloride	62	1.461	1.461	0.0	71	178544	20.3	
14 Bromomethane	94	1.729	1.729	0.0	84	42719	15.7	
15 Chloroethane	64	1.856	1.856	0.0	81	92304	15.9	
17 Trichlorofluoromethane	101	1.984	1.984	0.0	80	220572	22.1	
20 Acrolein	56	2.440	2.440	0.0	96	557954	602.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.446	2.446	0.0	33	148541	18.7	
22 1,1-Dichloroethene	96	2.471	2.471	0.0	89	210839	25.9	
23 Acetone	43	2.592	2.592	0.0	98	398817	122.2	
25 Iodomethane	142	2.635	2.635	0.0	48	212812	23.5	
26 Carbon disulfide	76	2.641	2.641	0.0	97	557647	22.1	
27 Methyl acetate	43	2.848	2.848	0.0	96	250454	26.1	
29 Acetonitrile	40	2.872	2.872	0.0	99	691561	1081.7	
30 Methylene Chloride	84	2.951	2.951	0.0	73	260411	25.1	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	44	227378	27.4	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	87	741707	25.8	
33 Acrylonitrile	53	3.189	3.189	0.0	98	506578	146.6	
39 1,1-Dichloroethane	63	3.481	3.481	0.0	85	371846	26.0	
37 Vinyl acetate	43	3.535	3.535	0.0	97	2131362	123.7	
44 2,2-Dichloropropane	77	3.919	3.919	0.0	87	223171	23.3	
45 cis-1,2-Dichloroethene	96	3.943	3.943	0.0	68	241553	25.7	
43 2-Butanone (MEK)	43	3.992	3.992	0.0	96	632512	127.9	
48 Chlorobromomethane	128	4.138	4.138	0.0	93	103535	24.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.162	0.0	82	409402	128.9	
50 Chloroform	83	4.205	4.205	0.0	68	377147	24.8	
52 Cyclohexane	56	4.290	4.290	0.0	85	311329	24.1	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	90	251912	20.8	
55 Carbon tetrachloride	117	4.399	4.399	0.0	81	194196	18.8	
54 1,1-Dichloropropene	75	4.411	4.411	0.0	97	310773	26.3	
57 Benzene	78	4.582	4.582	0.0	96	964910	26.7	
58 1,2-Dichloroethane	62	4.636	4.636	0.0	73	300074	24.2	
62 Trichloroethene	95	5.056	5.056	0.0	91	233289	25.9	
64 Methylcyclohexane	83	5.154	5.154	0.0	85	359319	22.4	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	95	226276	27.8	
67 Dibromomethane	93	5.360	5.360	0.0	90	137658	26.1	
68 Dichlorobromomethane	83	5.476	5.476	0.0	88	262176	22.7	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	90	845034	144.7	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	92	356377	24.8	
73 4-Methyl-2-pentanone (MIBK)	43	5.914	5.914	0.0	92	1258732	126.8	
74 Toluene	92	6.017	6.017	0.0	87	615139	25.5	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	86	318727	21.7	
75 Ethyl methacrylate	69	6.261	6.261	0.0	65	359074	24.1	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	85	187108	26.1	
81 Tetrachloroethene	166	6.413	6.413	0.0	87	223258	24.8	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	85	402729	26.2	
80 2-Hexanone	43	6.547	6.547	0.0	92	932084	127.0	
83 Chlorodibromomethane	129	6.674	6.674	0.0	85	165466	19.4	
84 Ethylene Dibromide	107	6.754	6.754	0.0	97	218604	25.9	
87 Chlorobenzene	112	7.106	7.106	0.0	85	640409	24.5	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1161354	25.4	
89 1,1,1,2-Tetrachloroethane	131	7.179	7.179	0.0	38	186136	25.2	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	895663	51.4	
91 o-Xylene	106	7.581	7.581	0.0	97	436670	25.8	
92 Styrene	104	7.605	7.605	0.0	94	712934	27.0	
95 Bromoform	173	7.794	7.794	0.0	95	97720	23.7	
94 Isopropylbenzene	105	7.867	7.867	0.0	95	1137163	26.3	
101 Bromobenzene	156	8.141	8.141	0.0	94	255588	25.0	
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	79	320010	27.5	
99 N-Propylbenzene	91	8.195	8.195	0.0	78	1413521	26.9	
100 1,2,3-Trichloropropane	110	8.208	8.208	0.0	68	102345	26.5	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.214	0.0	82	293041	157.2	
103 2-Chlorotoluene	126	8.281	8.281	0.0	95	249588	25.3	
102 1,3,5-Trimethylbenzene	105	8.335	8.335	0.0	80	967364	26.3	
105 4-Chlorotoluene	126	8.372	8.372	0.0	98	264782	25.4	
106 tert-Butylbenzene	134	8.603	8.603	0.0	89	194501	24.9	
107 1,2,4-Trimethylbenzene	105	8.646	8.646	0.0	63	985470	26.4	
109 sec-Butylbenzene	105	8.779	8.779	0.0	94	1198144	26.2	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	92	988759	26.5	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	70	507997	25.2	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	93	529357	25.1	
115 n-Butylbenzene	91	9.236	9.236	0.0	94	937799	25.8	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	94	497265	25.2	
117 1,2-Dibromo-3-Chloropropane	75	9.954	9.954	0.0	75	54402	24.4	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	93	368123	25.0	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	92	158222	25.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	1073552	25.0	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	94	345153	25.0	
S 123 Total BTEX	1				0		154.8	
S 124 Xylenes, Total	1				0		77.2	
S 125 1,2-Dichloroethene, Total	1				0		53.1	
S 126 1,3-Dichloropropene, Total	1				0		46.5	

Report Date: 06-Apr-2012 21:53:20

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12737.D

Injection Date: 06-Apr-2012 21:37:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58561

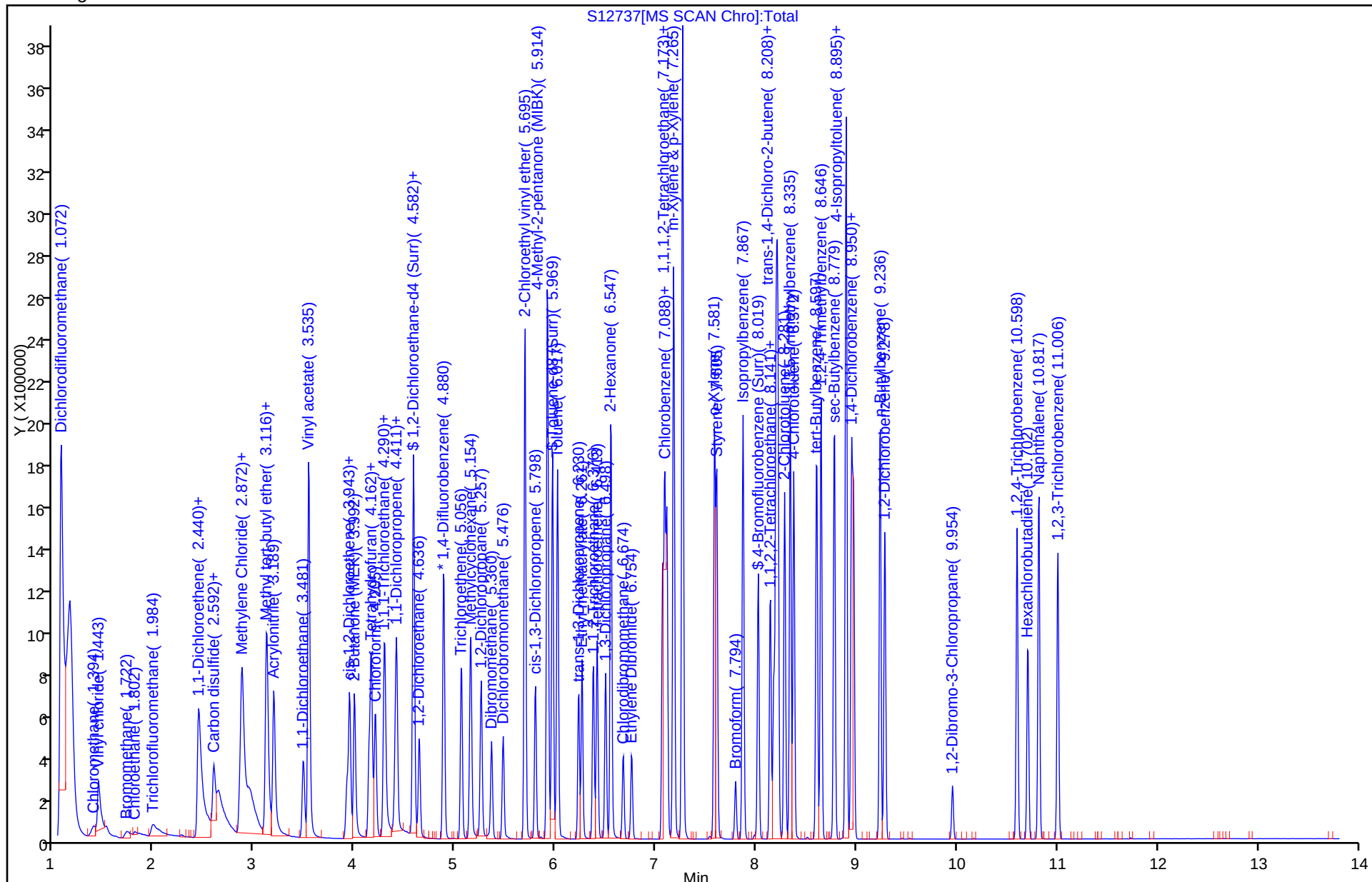
Lims Sample ID: 2

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58591/2 Calibration Date: 04/07/2012 12:04

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12765.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2526	0.2859		28.3	25.0	13.2	50.0
Chloromethane	QuaF		0.3116	0.1000	36.8	25.0	47.2	50.0
Vinyl chloride	Ave	0.2650	0.2853		26.9	25.0	7.7	20.0
Bromomethane	QuaF		0.0416		12.9	25.0	-48.4	50.0
Chloroethane	LinF		0.1489		21.3	25.0	-14.8	50.0
Trichlorofluoromethane	Ave	0.3016	0.2917		24.2	25.0	-3.3	50.0
Acrolein	Ave	0.0280	0.0315		563	500	12.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Lin1F		0.1262		13.2	25.0	-47.2	50.0
1,1-Dichloroethene	Ave	0.2458	0.2565	0.1000	26.1	25.0	4.4	20.0
Acetone	Ave	0.0986	0.0945		120	125	-4.2	50.0
Iodomethane	Ave	0.2740	0.1857		16.9	25.0	-32.2	50.0
Carbon disulfide	Lin1F		0.4222		13.8	25.0	-44.8	50.0
Methyl acetate	Ave	0.2900	0.2873		24.8	25.0	-0.9	50.0
Acetonitrile	Ave	0.0193	0.0200		1040	1000	3.7	50.0
Methylene Chloride	Ave	0.3134	0.3055		24.4	25.0	-2.5	50.0
Methyl tert-butyl ether	Ave	0.8687	0.8104		23.3	25.0	-6.7	50.0
trans-1,2-Dichloroethene	Ave	0.2505	0.2561		25.6	25.0	2.2	50.0
Acrylonitrile	Ave	0.1043	0.1173		141	125	12.4	50.0
1,1-Dichloroethane	Ave	0.4327	0.4251		24.6	25.0	-1.8	50.0
Vinyl acetate	Lin1F		0.4859		117	125	-6.6	50.0
2,2-Dichloropropane	Ave	0.2893	0.2433		21.0	25.0	-15.9	50.0
cis-1,2-Dichloroethene	Ave	0.2840	0.2841		25.0	25.0	0.0	50.0
2-Butanone (MEK)	Ave	0.1494	0.1507		126	125	0.9	50.0
Bromochloromethane	Ave	0.1265	0.1205		23.8	25.0	-4.7	50.0
Tetrahydrofuran	Ave	0.0960	0.0965		126	125	0.5	50.0
Chloroform	Ave	0.4594	0.4340		23.6	25.0	-5.5	20.0
Cyclohexane	Ave	0.3898	0.2599		16.7	25.0	-33.3	50.0
1,1,1-Trichloroethane	Ave	0.3664	0.2945		20.1	25.0	-19.6	50.0
Carbon tetrachloride	Lin1F		0.2607		20.9	25.0	-16.4	50.0
1,1-Dichloropropene	Ave	0.3564	0.3604		25.3	25.0	1.1	50.0
Benzene	Ave	1.091	1.136		26.0	25.0	4.1	50.0
1,2-Dichloroethane	Ave	0.3742	0.3437		23.0	25.0	-8.1	50.0
Trichloroethene	Ave	0.2717	0.2681		24.7	25.0	-1.3	50.0
Methylcyclohexane	Lin1F		0.3589		18.5	25.0	-26.0	50.0
1,2-Dichloropropane	Ave	0.2457	0.2631		26.8	25.0	7.1	20.0
Dibromomethane	Ave	0.1594	0.1593		25.0	25.0	-0.0	50.0
Bromodichloromethane	Lin1F		0.3017		21.7	25.0	-13.2	50.0
2-Chloroethyl vinyl ether	Lin1F		0.1891		134	125	7.2	50.0
cis-1,3-Dichloropropene	Lin1F		0.4036		23.2	25.0	-7.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5713	0.5695		125	125	-0.3	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Lab Sample ID: CCVIS 480-58591/2 Calibration Date: 04/07/2012 12:04

Instrument ID: HP5973S Calib Start Date: 03/21/2012 00:06

GC Column: ZB-624 (60) ID: 0.25 (mm) Calib End Date: 03/21/2012 01:54

Lab File ID: S12765.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toluene	Ave	1.387	1.367		24.6	25.0	-1.5	20.0
trans-1,3-Dichloropropene	LinF		0.6983		20.7	25.0	-17.2	50.0
Ethyl methacrylate	Lin1F		0.7793		22.7	25.0	-9.2	50.0
1,1,2-Trichloroethane	Ave	0.4117	0.4180		25.4	25.0	1.5	50.0
Tetrachloroethene	Ave	0.5172	0.4996		24.1	25.0	-3.4	50.0
1,3-Dichloropropane	Ave	0.8844	0.8883		25.1	25.0	0.4	50.0
2-Hexanone	Ave	0.4222	0.4251		126	125	0.7	50.0
Dibromochloromethane	LinF		0.3716		18.9	25.0	-24.4	50.0
1,2-Dibromoethane	Ave	0.4862	0.4848		24.9	25.0	-0.3	50.0
Chlorobenzene	Ave	1.501	1.428	0.3000	23.8	25.0	-4.8	50.0
Ethylbenzene	Ave	2.631	2.578		24.5	25.0	-2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.4253	0.4084		24.0	25.0	-4.0	50.0
m,p-Xylene	Ave	1.002	1.000		49.9	50.0	-0.2	50.0
o-Xylene	Ave	0.9742	0.9641		24.7	25.0	-1.0	50.0
Styrene	Ave	1.521	1.550		25.5	25.0	1.9	50.0
Bromoform	QuaF		0.2235	0.1000	23.6	25.0	-5.6	50.0
Isopropylbenzene	Ave	2.806	2.803		25.0	25.0	-0.0	50.0
Bromobenzene	Ave	0.6634	0.6378		24.0	25.0	-3.9	50.0
1,1,2,2-Tetrachloroethane	Ave	0.7537	0.8191	0.3000	27.2	25.0	8.7	50.0
N-Propylbenzene	Ave	3.409	3.502		25.7	25.0	2.7	50.0
1,2,3-Trichloropropane	Ave	0.2502	0.2539		25.4	25.0	1.5	50.0
trans-1,4-Dichloro-2-butene	QuaF		0.1440		150	125	20.0	50.0
2-Chlorotoluene	Ave	0.6399	0.6150		24.0	25.0	-3.9	50.0
1,3,5-Trimethylbenzene	Ave	2.384	2.370		24.9	25.0	-0.6	50.0
4-Chlorotoluene	Ave	0.6755	0.6481		24.0	25.0	-4.1	50.0
tert-Butylbenzene	Ave	0.5059	0.4725		23.4	25.0	-6.6	50.0
1,2,4-Trimethylbenzene	Ave	2.421	2.436		25.2	25.0	0.6	50.0
sec-Butylbenzene	Ave	2.964	2.950		24.9	25.0	-0.5	50.0
1,3-Dichlorobenzene	Ave	1.309	1.254		23.9	25.0	-4.2	50.0
4-Isopropyltoluene	Ave	2.418	2.458		25.4	25.0	1.6	50.0
1,4-Dichlorobenzene	Ave	1.369	1.300		23.7	25.0	-5.0	50.0
n-Butylbenzene	Ave	2.356	2.356		25.0	25.0	0.0	50.0
1,2-Dichlorobenzene	Ave	1.282	1.233		24.0	25.0	-3.8	50.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1375		23.8	25.0	-4.8	50.0
1,2,4-Trichlorobenzene	Ave	0.9532	0.9222		24.2	25.0	-3.3	50.0
Hexachlorobutadiene	Ave	0.1859	0.1755		23.6	25.0	-5.6	50.0
Naphthalene	Ave	1.298	1.243		23.9	25.0	-4.2	50.0
1,2,3-Trichlorobenzene	Ave	0.4174	0.4007		24.0	25.0	-4.0	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.1525	0.1795		29.4	25.0	17.7	50.0
Toluene-d8 (Surr)	Ave	1.869	2.299		30.8	25.0	23.0	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5557	0.6256		28.1	25.0	12.6	50.0

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12765.D
 Lims ID: CCVIS Client ID:
 Inject. Date: 07-Apr-2012 12:04:30 Dil. Factor: 1.0000
 Sample Type: CCVIS
 Sample ID: CCVIS
 Misc. Info.: 480-0010803-002 =480-0010803-002
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 2
 Lims Batch ID: 58591 Lims Sample ID: 2
 Sublist: chrom-S-8260*sub1
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S-8260.m
 Last Update: 09-Apr-2012 16:13:27 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: coderd

Date: 07-Apr-2012 12:20:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	820748	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	429300	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	51	380997	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	54	147305	29.4	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	59	986953	30.8	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	268563	28.1	
10 Dichlorodifluoromethane	85	1.224	1.224	0.0	86	234677	28.3	
12 Chloromethane	50	1.400	1.400	0.0	88	255758	36.8	
13 Vinyl chloride	62	1.461	1.461	0.0	67	234155	26.9	
14 Bromomethane	94	1.741	1.741	0.0	89	34158	12.9	
15 Chloroethane	64	1.881	1.881	0.0	81	122226	21.3	
17 Trichlorofluoromethane	101	1.996	1.996	0.0	79	239397	24.2	
20 Acrolein	56	2.440	2.440	0.0	97	517264	563.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.452	2.452	0.0	31	103583	13.2	
22 1,1-Dichloroethene	96	2.471	2.471	0.0	89	210524	26.1	
23 Acetone	43	2.592	2.592	0.0	97	387702	119.8	
25 Iodomethane	142	2.641	2.641	0.0	54	152439	16.9	
26 Carbon disulfide	76	2.653	2.653	0.0	84	346521	13.8	
27 Methyl acetate	43	2.848	2.848	0.0	95	235798	24.8	
29 Acetonitrile	40	2.872	2.872	0.0	99	657097	1036.7	
30 Methylene Chloride	84	2.963	2.963	0.0	74	250747	24.4	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	665092	23.3	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	45	210156	25.6	
33 Acrylonitrile	53	3.189	3.189	0.0	98	481177	140.5	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	85	348855	24.6	
37 Vinyl acetate	43	3.535	3.535	0.0	97	1993790	116.7	
44 2,2-Dichloropropane	77	3.919	3.919	0.0	88	199685	21.0	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	67	233160	25.0	
43 2-Butanone (MEK)	43	3.992	3.992	0.0	96	618436	126.1	
48 Chlorobromomethane	128	4.144	4.144	0.0	89	98930	23.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
49 Tetrahydrofuran	42	4.162	4.162	0.0	82	395894	125.7	
50 Chloroform	83	4.204	4.204	0.0	68	356171	23.6	
52 Cyclohexane	56	4.290	4.290	0.0	83	213304	16.7	
51 1,1,1-Trichloroethane	97	4.296	4.296	0.0	91	241688	20.1	
55 Carbon tetrachloride	117	4.399	4.399	0.0	79	213967	20.9	
54 1,1-Dichloropropene	75	4.411	4.411	0.0	97	295818	25.3	
57 Benzene	78	4.582	4.582	0.0	96	932197	26.0	
58 1,2-Dichloroethane	62	4.636	4.636	0.0	84	282127	23.0	
62 Trichloroethene	95	5.056	5.056	0.0	91	220056	24.7	
64 Methylcyclohexane	83	5.154	5.154	0.0	84	294599	18.5	
65 1,2-Dichloropropane	63	5.257	5.257	0.0	95	215927	26.8	
67 Dibromomethane	93	5.360	5.360	0.0	90	130724	25.0	
68 Dichlorobromomethane	83	5.476	5.476	0.0	88	247584	21.7	
69 2-Chloroethyl vinyl ether	63	5.695	5.695	0.0	89	775839	134.0	
72 cis-1,3-Dichloropropene	75	5.798	5.798	0.0	91	331281	23.2	
73 4-Methyl-2-pentanone (MIBK)	43	5.914	5.914	0.0	92	1222429	124.6	
74 Toluene	92	6.017	6.017	0.0	87	586852	24.6	
77 trans-1,3-Dichloropropene	75	6.230	6.230	0.0	85	299770	20.7	
75 Ethyl methacrylate	69	6.261	6.261	0.0	78	334546	22.7	
79 1,1,2-Trichloroethane	83	6.376	6.376	0.0	84	179459	25.4	
81 Tetrachloroethene	166	6.413	6.413	0.0	84	214478	24.1	
82 1,3-Dichloropropane	76	6.498	6.498	0.0	85	381336	25.1	
80 2-Hexanone	43	6.547	6.547	0.0	75	912367	125.9	
83 Chlorodibromomethane	129	6.674	6.674	0.0	85	159514	18.9	
84 Ethylene Dibromide	107	6.754	6.754	0.0	99	208104	24.9	
87 Chlorobenzene	112	7.106	7.106	0.0	85	613244	23.8	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1106596	24.5	
89 1,1,1,2-Tetrachloroethane	131	7.179	7.179	0.0	37	175326	24.0	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	858699	49.9	
91 o-Xylene	106	7.581	7.581	0.0	97	413865	24.7	
92 Styrene	104	7.605	7.605	0.0	94	665339	25.5	
95 Bromoform	173	7.794	7.794	0.0	95	95956	23.6	
94 Isopropylbenzene	105	7.867	7.867	0.0	95	1067934	25.0	
101 Bromobenzene	156	8.141	8.141	0.0	93	242980	24.0	
97 1,1,2,2-Tetrachloroethane	83	8.171	8.171	0.0	78	312068	27.2	
99 N-Propylbenzene	91	8.195	8.195	0.0	78	1334217	25.7	
100 1,2,3-Trichloropropane	110	8.207	8.207	0.0	62	96736	25.4	
98 trans-1,4-Dichloro-2-butene	53	8.214	8.214	0.0	81	274283	150.0	
103 2-Chlorotoluene	126	8.280	8.280	0.0	95	234322	24.0	
102 1,3,5-Trimethylbenzene	105	8.335	8.335	0.0	84	902948	24.9	
105 4-Chlorotoluene	126	8.372	8.372	0.0	98	246921	24.0	
106 tert-Butylbenzene	134	8.603	8.603	0.0	90	180029	23.4	
107 1,2,4-Trimethylbenzene	105	8.645	8.645	0.0	63	928227	25.2	
109 sec-Butylbenzene	105	8.779	8.779	0.0	94	1124039	24.9	
110 4-Isopropyltoluene	119	8.895	8.895	0.0	92	936424	25.4	
111 1,3-Dichlorobenzene	146	8.895	8.895	0.0	69	477749	23.9	
113 1,4-Dichlorobenzene	146	8.968	8.968	0.0	93	495408	23.7	
115 n-Butylbenzene	91	9.236	9.236	0.0	95	897618	25.0	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	94	469591	24.0	
117 1,2-Dibromo-3-Chloropropane	75	9.953	9.953	0.0	70	52375	23.8	
119 1,2,4-Trichlorobenzene	180	10.598	10.598	0.0	93	351354	24.2	
120 Hexachlorobutadiene	225	10.708	10.708	0.0	92	144020	23.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
121 Naphthalene	128	10.817	10.817	0.0	97	1020573	23.9	
122 1,2,3-Trichlorobenzene	180	11.006	11.006	0.0	93	328850	24.0	
S 125 1,2-Dichloroethene, Total	1				0		50.6	
S 126 1,3-Dichloropropene, Total	1				0		43.9	
S 123 Total BTEX	1				0		149.8	
S 124 Xylenes, Total	1				0		74.6	

Report Date: 09-Apr-2012 16:13:27

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12765.D

Injection Date: 07-Apr-2012 12:04:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58591

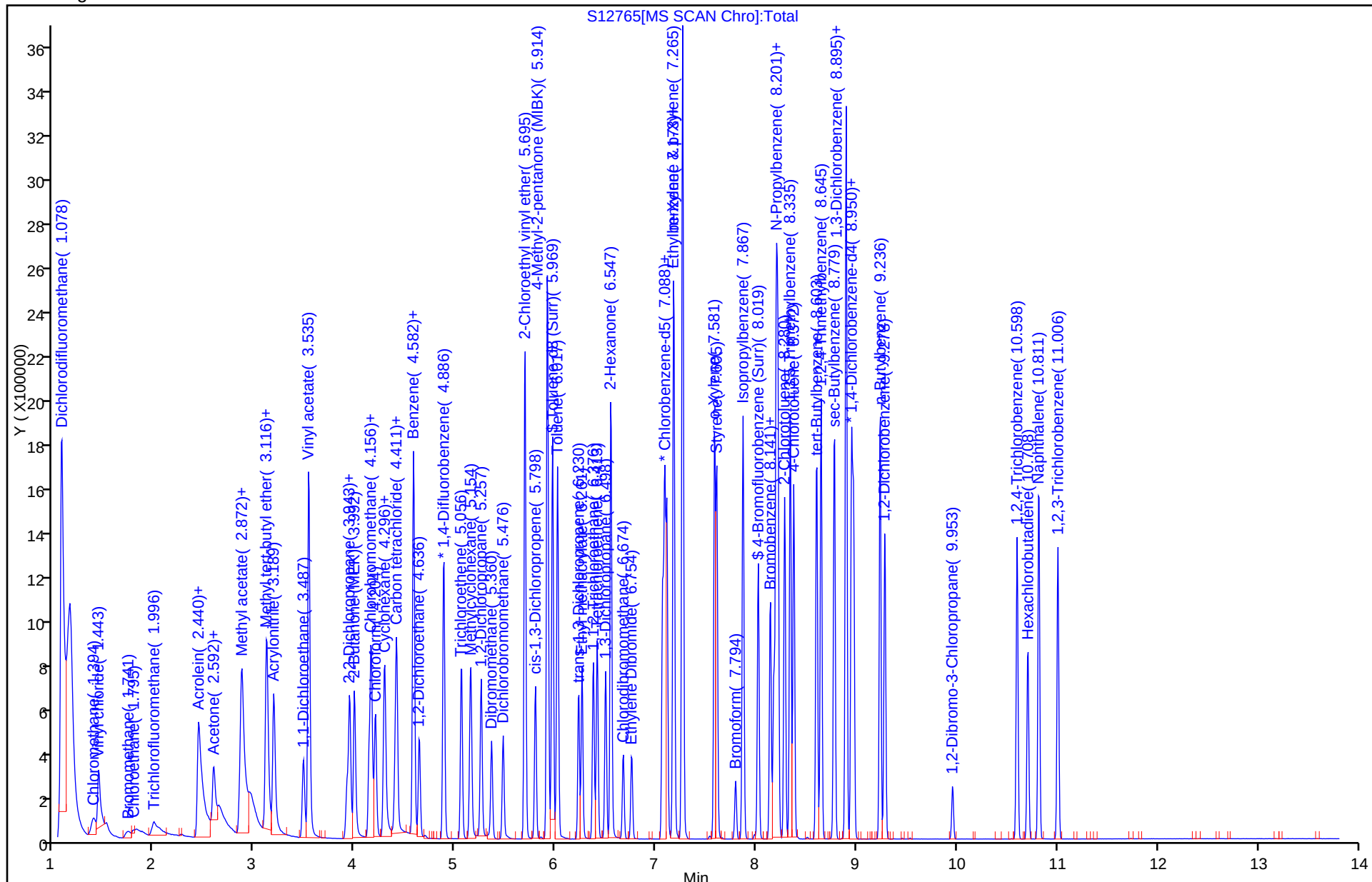
Lims Sample ID: 2

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12026.D
Lims ID: BFB Client ID:
Inject. Date: 20-Mar-2012 23:20:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0010350-001 =480-0010350-001
Operator: RAL Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 56067 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S-8260.m
Last Update: 21-Mar-2012 23:50:10 Calib Date: 21-Mar-2012 01:54:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

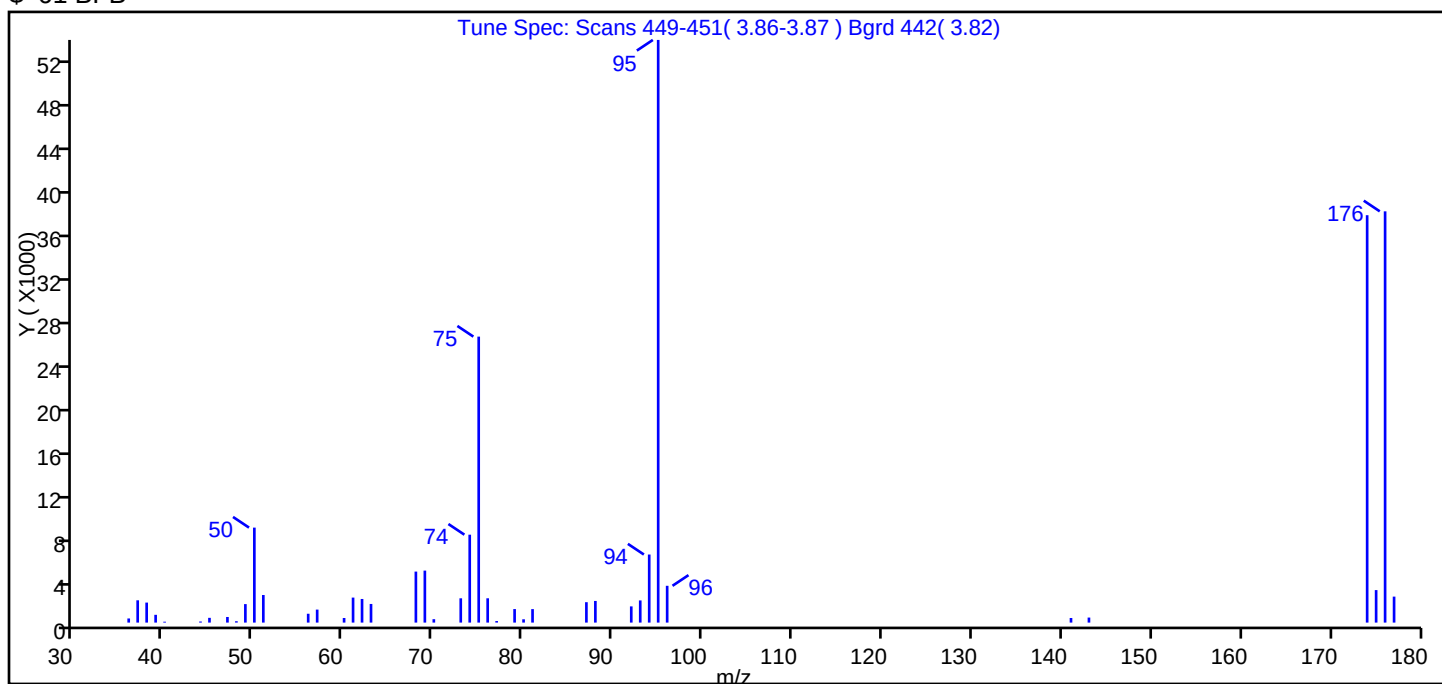
First Level Reviewer: larsonr

Date: 20-Mar-2012 23:42:34

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.867	3.867	0.0	0	111235	0	

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12026.D
Injection Date: 20-Mar-2012 23:20:30 Limit Group: MV - 8260B ICAL
Client ID: Instrument ID: HP5973S
Lims Batch ID: 56067 Lims Sample ID: 1
Operator ID: RAL
Column Type: ZB-624 Column Dia: 0.25 mm
Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.30
75	30.00 - 60.00% of mass 95	49.08
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	69.92
175	5.00 - 9.00% of mass 174	5.58 (7.98)
176	95.00 - 101.00% of mass 174	70.58 (100.95)
177	5.00 - 9.00% of mass 176	4.46 (6.32)

Data File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12026.D\S-8260.rslt\spectra.d
Injection Date: 20-Mar-2012 23:20:30
Spectrum: Tune Spec: Scans 449-451(3.86-3.87) Bgrd 442(3.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 42

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	376	51.00	2512	74.00	8005	94.00	6198
37.00	2030	56.00	806	75.00	26040	95.00	53056
38.00	1822	57.00	1184	76.00	2214	96.00	3351
39.00	708	60.00	419	77.00	142	141.00	419
40.00	82	61.00	2277	79.00	1232	143.00	458
44.00	99	62.00	2151	80.00	302	174.00	37096
45.00	433	63.00	1697	81.00	1228	175.00	2959
47.00	511	68.00	4645	87.00	1858	176.00	37448
48.00	125	69.00	4734	88.00	1971	177.00	2366
49.00	1684	70.00	310	92.00	1476		
50.00	8649	73.00	2212	93.00	2019		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12638.D
Lims ID: BFB Client ID:
Inject. Date: 04-Apr-2012 22:08:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0010730-001 =480-0010730-001
Operator: RAL Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 58178 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
Last Update: 04-Apr-2012 22:17:59 Calib Date: 21-Mar-2012 01:54:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: larsonr

Date: 04-Apr-2012 22:17:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.860	3.860	0.0	0	129823	0	

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12638.D

Injection Date: 04-Apr-2012 22:08:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58178

Lims Sample ID: 1

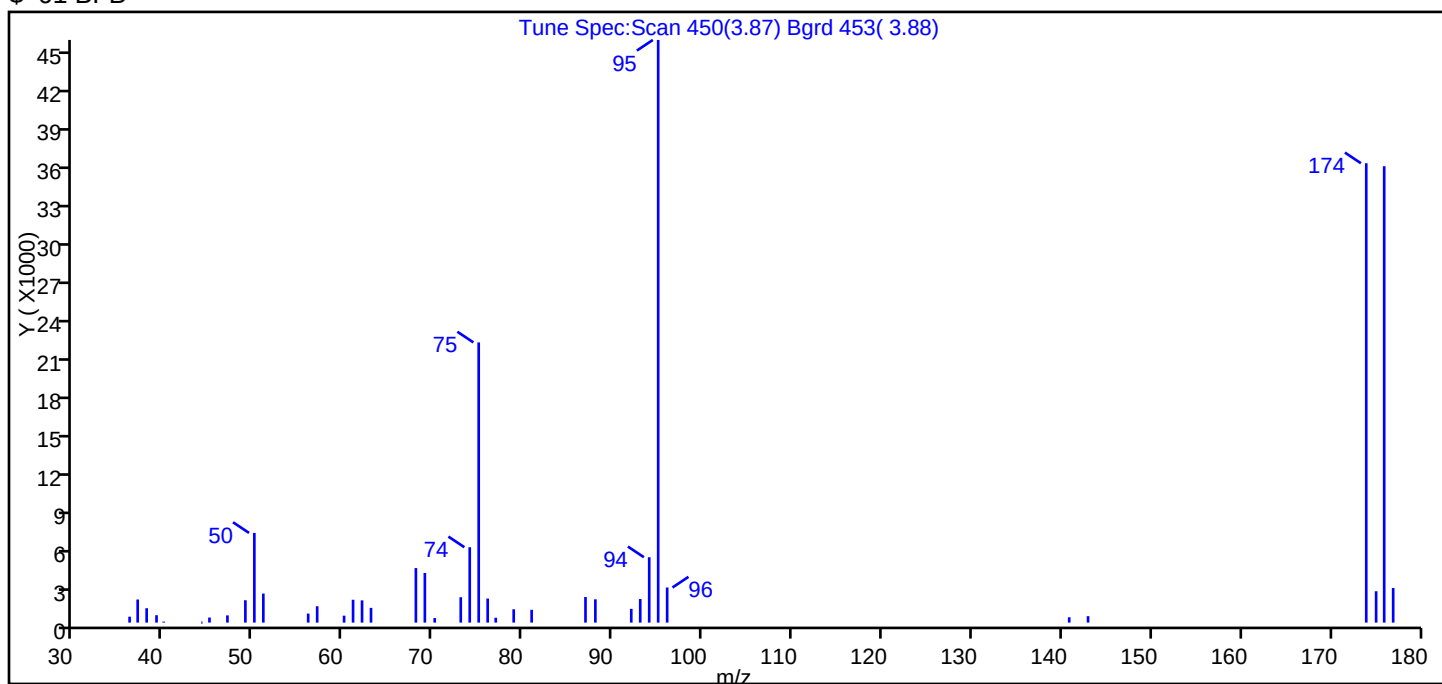
Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.39
75	30.00 - 60.00% of mass 95	48.09
96	5.00 - 9.00% of mass 95	6.02
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	78.84
175	5.00 - 9.00% of mass 174	5.39 (6.83)
176	95.00 - 101.00% of mass 174	78.33 (99.35)
177	5.00 - 9.00% of mass 176	5.94 (7.59)

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12638.D\S-8260.rslt\spectra.d

Injection Date: 04-Apr-2012 22:08:30

Spectrum: Tune Spec:Scan 450(3.87) Bgrd 453(3.88)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 40

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	461	51.00	2261	73.00	1976	93.00	1839
37.00	1799	56.00	702	74.00	5872	94.00	5094
38.00	1121	57.00	1274	75.00	21832	95.00	45400
39.10	578	60.00	539	76.00	1874	96.00	2735
39.90	75	61.00	1780	76.90	379	140.80	414
44.10	0	62.00	1731	78.90	1039	142.90	501
45.00	395	63.00	1147	80.90	997	173.90	35792
47.00	561	68.00	4250	86.90	1994	175.00	2446
49.00	1742	69.00	3866	88.00	1814	175.90	35560
50.00	6987	70.10	354	92.00	1073	176.90	2698

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12666.D
Lims ID: BFB Client ID:
Inject. Date: 05-Apr-2012 09:57:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-00010748-001 =480-00010748-001
Operator: DHC Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 58271 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
Last Update: 05-Apr-2012 10:08:55 Calib Date: 21-Mar-2012 01:54:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:08:55

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.824	3.824	0.0	0	120979	0	

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12666.D

Injection Date: 05-Apr-2012 09:57:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58271

Lims Sample ID: 1

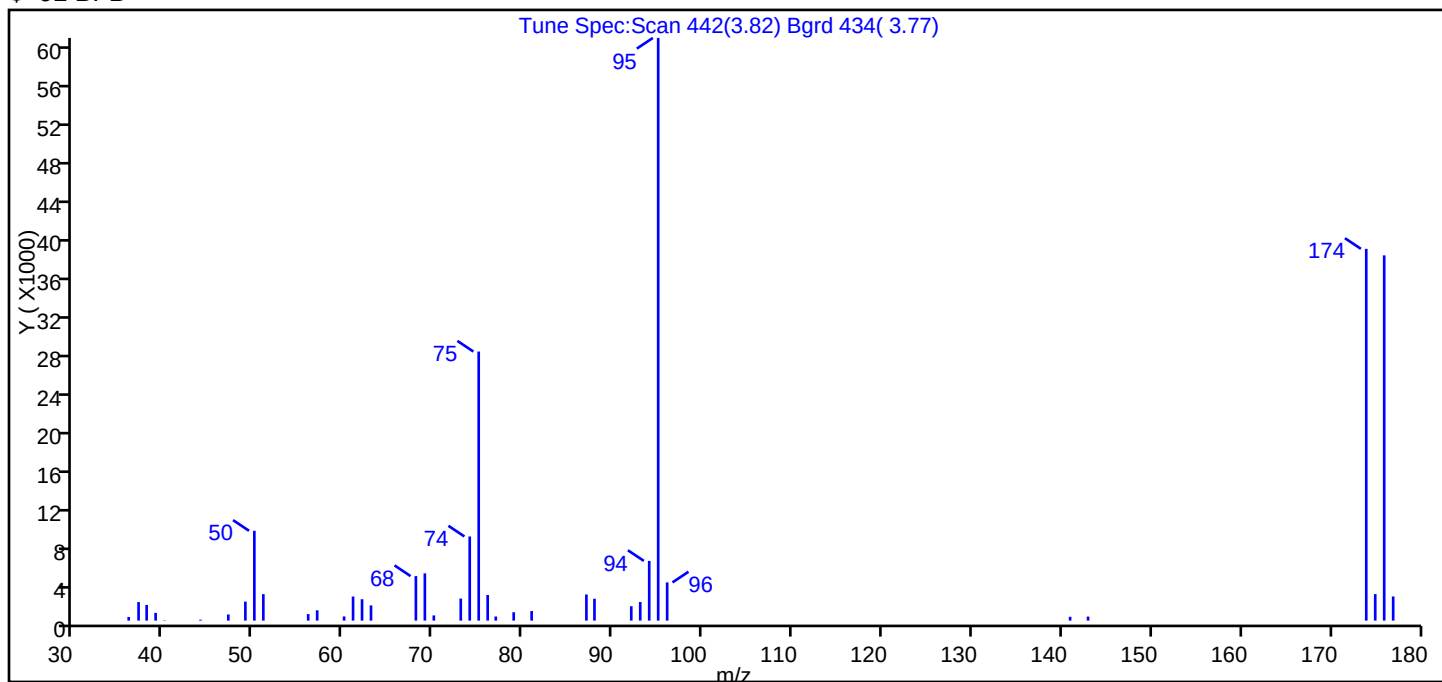
Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.42
75	30.00 - 60.00% of mass 95	46.17
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	63.80
175	5.00 - 9.00% of mass 174	4.55 (7.13)
176	95.00 - 101.00% of mass 174	62.69 (98.25)
177	5.00 - 9.00% of mass 176	4.14 (6.61)

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12666.D\S-8260.rslt\spectra.d

Injection Date: 05-Apr-2012 09:57:30

Spectrum: Tune Spec:Scan 442(3.82) Bgrd 434(3.77)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	376	56.00	682	74.00	8800	94.00	6243
37.10	1937	57.00	1076	75.00	28144	95.00	60952
38.00	1638	60.00	435	76.00	2677	96.00	3995
39.00	808	61.00	2515	76.90	428	140.90	400
40.00	39	62.00	2237	78.90	874	142.90	419
44.00	93	63.00	1588	80.90	1000	173.90	38888
47.10	640	68.00	4657	87.00	2732	174.90	2772
49.00	1985	69.00	4941	87.90	2283	175.90	38208
50.00	9396	70.00	542	92.00	1504	176.90	2526
51.00	2766	73.00	2305	93.00	1947		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12707.D
Lims ID: BFB Client ID:
Inject. Date: 06-Apr-2012 08:46:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0010776-001 =480-0010776-001
Operator: DHC Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 58433 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
Last Update: 06-Apr-2012 09:19:47 Calib Date: 21-Mar-2012 01:54:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 09:19:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	8.013	8.013	0.0	0	289732	0	

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12707.D

Injection Date: 06-Apr-2012 08:46:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58433

Lims Sample ID: 1

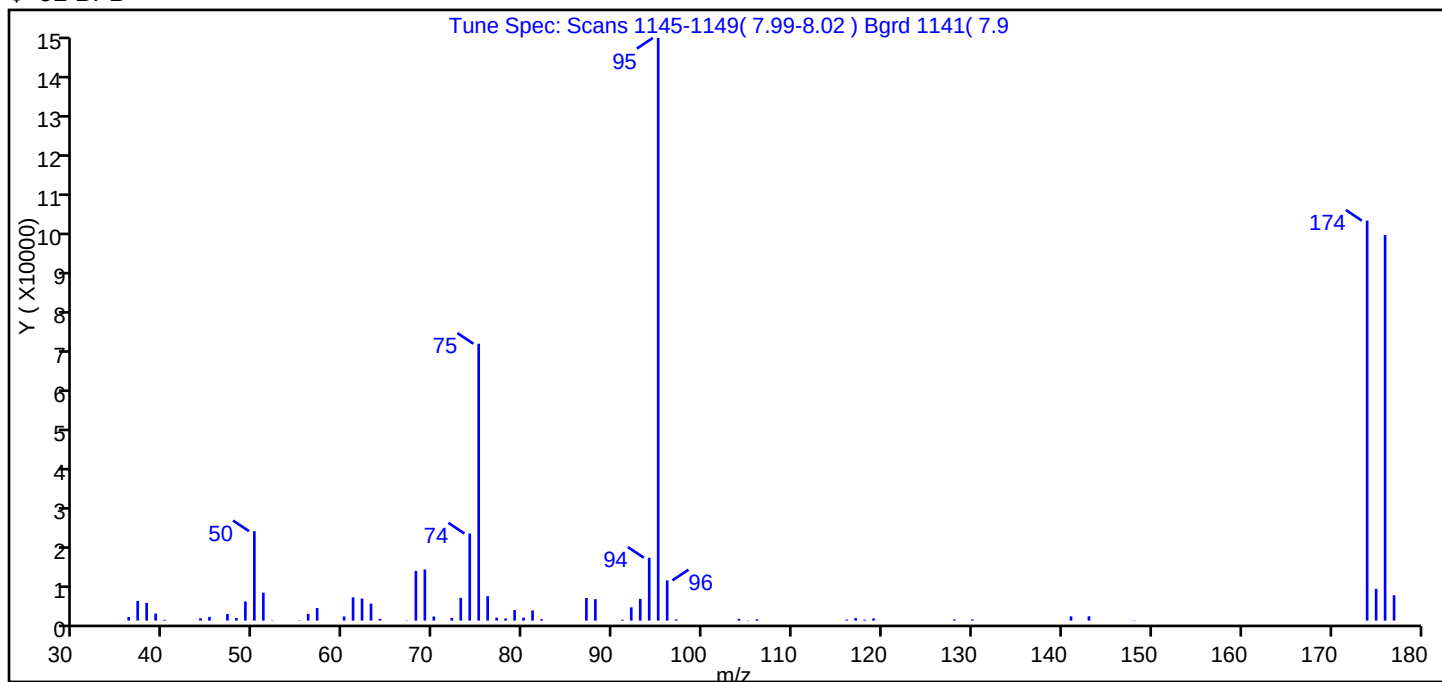
Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.35
75	30.00 - 60.00% of mass 95	47.52
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.65
175	5.00 - 9.00% of mass 174	5.45 (7.94)
176	95.00 - 101.00% of mass 174	66.16 (96.37)
177	5.00 - 9.00% of mass 176	4.36 (6.59)

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12707.D\S-8260.rslt\spectra.d
Injection Date: 06-Apr-2012 08:46:30
Spectrum: Tune Spec: Scans 1145-1149(7.99-8.02) Bgrd 1141(7.9
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	868	60.00	1010	79.00	2531	116.00	238
37.00	4724	61.00	5603	80.00	713	117.00	612
38.00	4256	62.00	5296	81.00	2457	118.00	198
39.00	1706	63.00	4082	82.00	351	119.00	514
40.00	196	64.00	407	87.00	5442	128.00	278
44.00	573	67.00	70	88.00	5152	130.00	287
45.00	894	68.00	11946	91.00	206	141.00	1014
47.00	1597	69.00	12298	92.00	3179	143.00	1042
48.00	630	70.00	985	93.00	5223	148.00	77
49.00	4596	72.00	635	94.00	15119	174.00	96216
50.00	21512	73.00	5477	95.00	140160	175.00	7643
51.00	6713	74.00	20944	96.00	9681	176.00	92728
52.00	82	75.00	66600	97.00	297	177.00	6112
55.00	82	76.00	5878	104.00	417		
56.00	1611	77.00	712	105.00	73		
57.00	3011	78.00	511	106.00	335		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12735.D
Lims ID: BFB Client ID:
Inject. Date: 06-Apr-2012 20:30:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0010796-001 =480-0010796-001
Operator: RAL Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 58561 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
Last Update: 06-Apr-2012 20:40:27 Calib Date: 21-Mar-2012 01:54:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 20:40:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.854	3.854	0.0	0	99085	0	

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12735.D

Injection Date: 06-Apr-2012 20:30:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58561

Lims Sample ID: 1

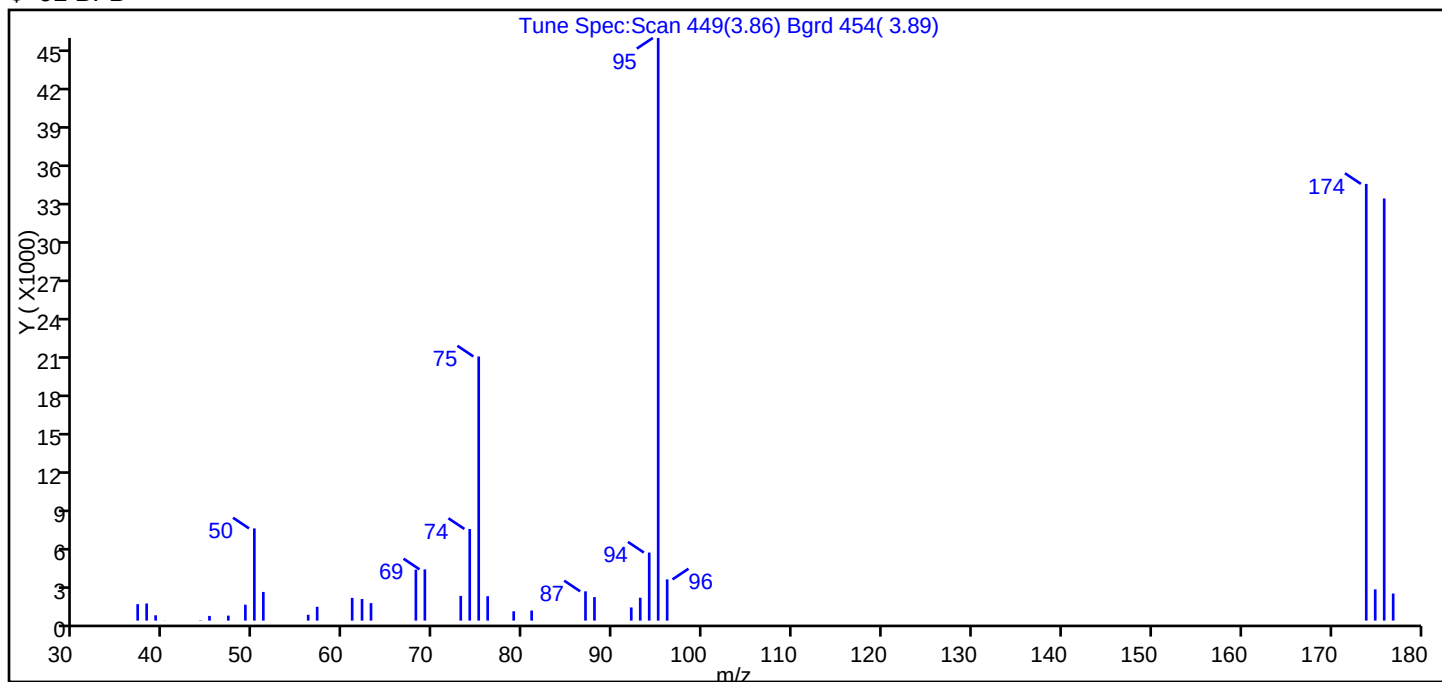
Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.82
75	30.00 - 60.00% of mass 95	45.33
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.95
175	5.00 - 9.00% of mass 174	5.36 (7.15)
176	95.00 - 101.00% of mass 174	72.45 (96.66)
177	5.00 - 9.00% of mass 176	4.65 (6.42)

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12735.D\S-8260.rslt\spectra.d

Injection Date: 06-Apr-2012 20:30:30

Spectrum: Tune Spec:Scan 449(3.86) Bgrd 454(3.89)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1282	51.00	2235	74.00	7147	94.00	5307
38.00	1333	56.00	454	75.00	20600	95.00	45440
39.00	413	57.00	1079	76.00	1902	96.00	3213
40.00	10	60.90	1773	78.90	726	173.90	34056
44.00	28	62.00	1683	80.90	786	174.90	2436
45.00	366	63.00	1363	86.90	2283	175.90	32920
47.10	388	68.00	3973	87.90	1831	176.90	2112
49.00	1241	69.00	3995	92.00	1025		
50.00	7190	73.00	1927	93.00	1784		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12764.D
Lims ID: BFB Client ID:
Inject. Date: 07-Apr-2012 10:01:30 Dil. Factor: 1.0000
Sample Type: BFB
Sample ID: BFB
Misc. Info.: 480-0010803-001 =480-0010803-001
Operator: DHC Instrument ID: HP5973S
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 58591 Lims Sample ID: 1
Detector: MS SCAN

Method: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S-8260.m
Last Update: 07-Apr-2012 10:11:30 Calib Date: 21-Mar-2012 01:54:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
Limit Group: MV - 8260B ICAL
Integrator: RTE ID Type: RT Order ID
Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 07-Apr-2012 10:11:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 61 BFB	95	3.824	3.824	0.0	0	106874	0	

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12764.D

Injection Date: 07-Apr-2012 10:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58591

Lims Sample ID: 1

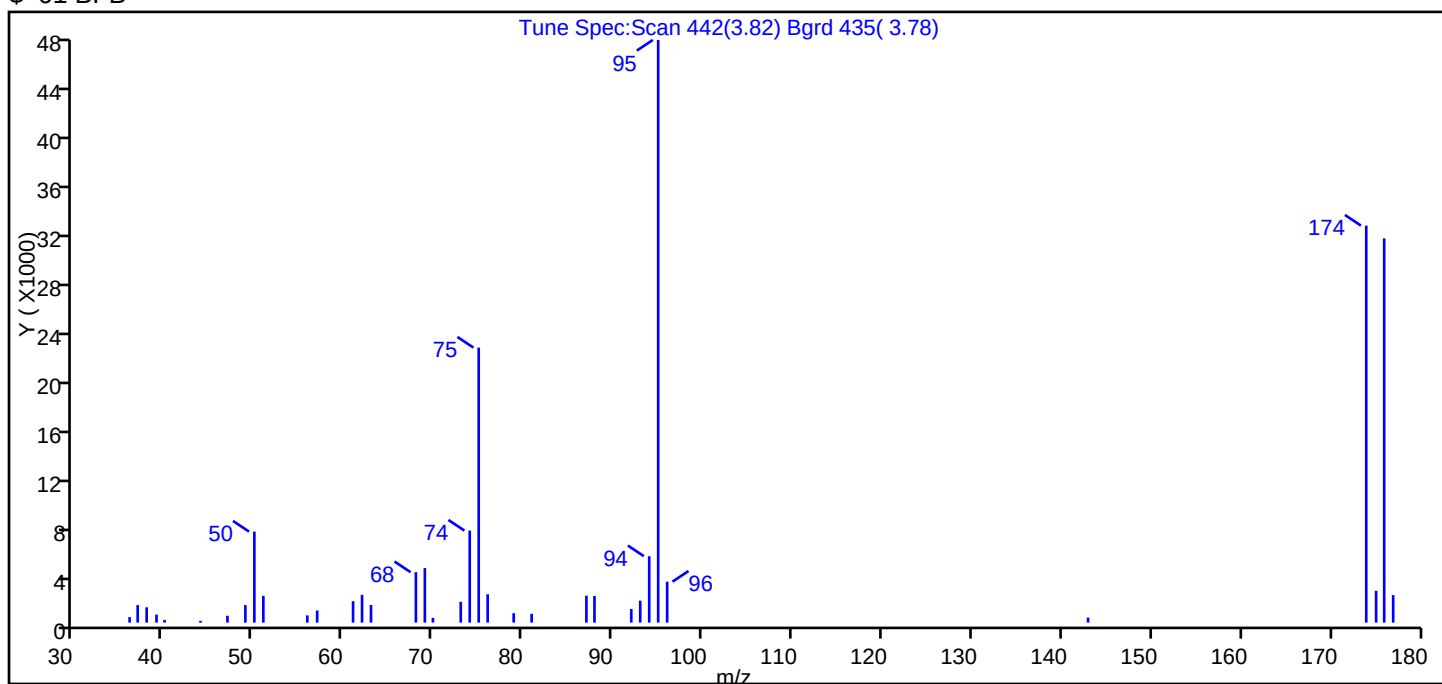
Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Tune Method: BFB Method 8260

\$ 61 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.62
75	30.00 - 60.00% of mass 95	47.20
96	5.00 - 9.00% of mass 95	7.02
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	68.14
175	5.00 - 9.00% of mass 174	5.46 (8.02)
176	95.00 - 101.00% of mass 174	65.94 (96.78)
177	5.00 - 9.00% of mass 176	4.72 (7.16)

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12764.D\S-8260.rslt\spectra.d

Injection Date: 07-Apr-2012 10:01:30

Spectrum: Tune Spec:Scan 442(3.82) Bgrd 435(3.78)

Base Peak: 95.00

Minimum % Base Peak: 0

Number of Points: 36

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	447	51.00	2176	73.00	1688	93.00	1782
37.00	1422	55.90	584	74.00	7482	94.00	5398
38.00	1244	57.00	987	75.00	22360	95.00	47376
39.10	652	61.00	1741	76.00	2303	96.00	3325
40.00	219	62.00	2254	78.90	763	142.90	399
44.00	148	63.00	1431	80.90	713	173.90	32280
47.00	556	68.00	4098	87.00	2190	175.00	2589
49.00	1423	69.00	4435	87.90	2165	175.90	31240
50.00	7398	69.90	384	92.00	1109	176.90	2238

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-58178/5

Matrix: Water Lab File ID: S12642.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/04/2012 23:45

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-58178/5
 Matrix: Water Lab File ID: S12642.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/04/2012 23:45
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	112		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12642.D
 Lims ID: MB Client ID:
 Inject. Date: 04-Apr-2012 23:45:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0010730-005 =480-0010730-005
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 32
 Lims Batch ID: 58178 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: larsonr

Date: 05-Apr-2012 00:10:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	875414	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	451581	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	398909	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	157377	29.5	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1032268	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	279934	27.9	
10 Dichlorodifluoromethane	85		1.211					
11 Chlorodifluoromethane	51		1.248					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
16 Dichlorofluoromethane	67		2.020					
18 Ethyl ether	59		2.264					
19 Propene oxide	58		2.349					
20 Acrolein	56		2.434					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.586					
25 Iodomethane	142		2.641					
26 Carbon disulfide	76		2.647					
24 Isopropyl alcohol	45		2.750					
28 3-Chloro-1-propene	41		2.799					
27 Methyl acetate	43		2.848					
29 Acetonitrile	40		2.872					
30 Methylene Chloride	84		2.970					
31 2-Methyl-2-propanol	59		3.085					
34 trans-1,2-Dichloroethene	96		3.116					
32 Methyl tert-butyl ether	73		3.116					
33 Acrylonitrile	53		3.189					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		3.286					
39 1,1-Dichloroethane	63		3.481					
36 Isopropyl ether	45		3.499					
40 2-Chloro-1,3-butadiene	53		3.529					
37 Vinyl acetate	43		3.535					
38 1,1-Dimethoxyethane	75		3.566					
41 Tert-butyl ethyl ether	59		3.785					
44 2,2-Dichloropropane	77		3.919					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
42 Ethyl acetate	43		4.016					
46 Propionitrile	54		4.083					
48 Chlorobromomethane	128		4.138					
49 Tetrahydrofuran	42		4.162					
47 Methacrylonitrile	41		4.168					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
54 1,1-Dichloropropene	75		4.411					
57 Benzene	78		4.582					
53 Isobutyl alcohol	43		4.600					
58 1,2-Dichloroethane	62		4.637					
56 Tert-amyl methyl ether	73		4.642					
59 n-Heptane	43		4.715					
62 Trichloroethene	95		5.056					
60 n-Butanol	56		5.087					
64 Methylcyclohexane	83		5.154					
65 1,2-Dichloropropane	63		5.257					
63 Methyl methacrylate	41		5.330					
67 Dibromomethane	93		5.360					
66 1,4-Dioxane	88		5.372					
68 Dichlorobromomethane	83		5.476					
70 2-Nitropropane	43		5.683					
69 2-Chloroethyl vinyl ether	63		5.695					
71 Epichlorohydrin	57		5.768					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
76 2-Methylthiophene	97		6.121					
77 trans-1,3-Dichloropropene	75		6.230					
78 3-Methylthiophene	97		6.249					
75 Ethyl methacrylate	69		6.261					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
82 1,3-Dichloropropane	76		6.498					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
85 3-Chlorobenzotrifluoride	180		7.076					
87 Chlorobenzene	112		7.106					
86 4-Chlorobenzotrifluoride	180		7.125					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.173					
89 1,1,1,2-Tetrachloroethane	131		7.179					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
93 2-Chlorobenzotrifluoride	180		7.812					
94 Isopropylbenzene	105		7.867					
96 Cyclohexanone	55		8.013					
101 Bromobenzene	156		8.141					
97 1,1,2,2-Tetrachloroethane	83		8.171					
99 N-Propylbenzene	91		8.195					
100 1,2,3-Trichloropropane	110		8.208					
98 trans-1,4-Dichloro-2-butene	53		8.214					
103 2-Chlorotoluene	126		8.281					
104 3-Chlorotoluene	126		8.335					
102 1,3,5-Trimethylbenzene	105		8.335					
105 4-Chlorotoluene	126		8.372					
106 tert-Butylbenzene	134		8.603					
107 1,2,4-Trimethylbenzene	105		8.646					
108 Pentachloroethane	167		8.652					
109 sec-Butylbenzene	105		8.779					
110 4-Isopropyltoluene	119		8.895					
111 1,3-Dichlorobenzene	146		8.895					
114 Dicyclopentadiene	66		8.950					
113 1,4-Dichlorobenzene	146		8.968					
112 1,2,3-Trimethylbenzene	105		8.992					
115 n-Butylbenzene	91		9.236					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
118 1,3,5-Trichlorobenzene	180		10.075					
119 1,2,4-Trichlorobenzene	180		10.598					
120 Hexachlorobutadiene	225		10.708					
121 Naphthalene	128		10.817					
122 1,2,3-Trichlorobenzene	180		11.006					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 00:29:33

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12642.D

Injection Date: 04-Apr-2012 23:45:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58178

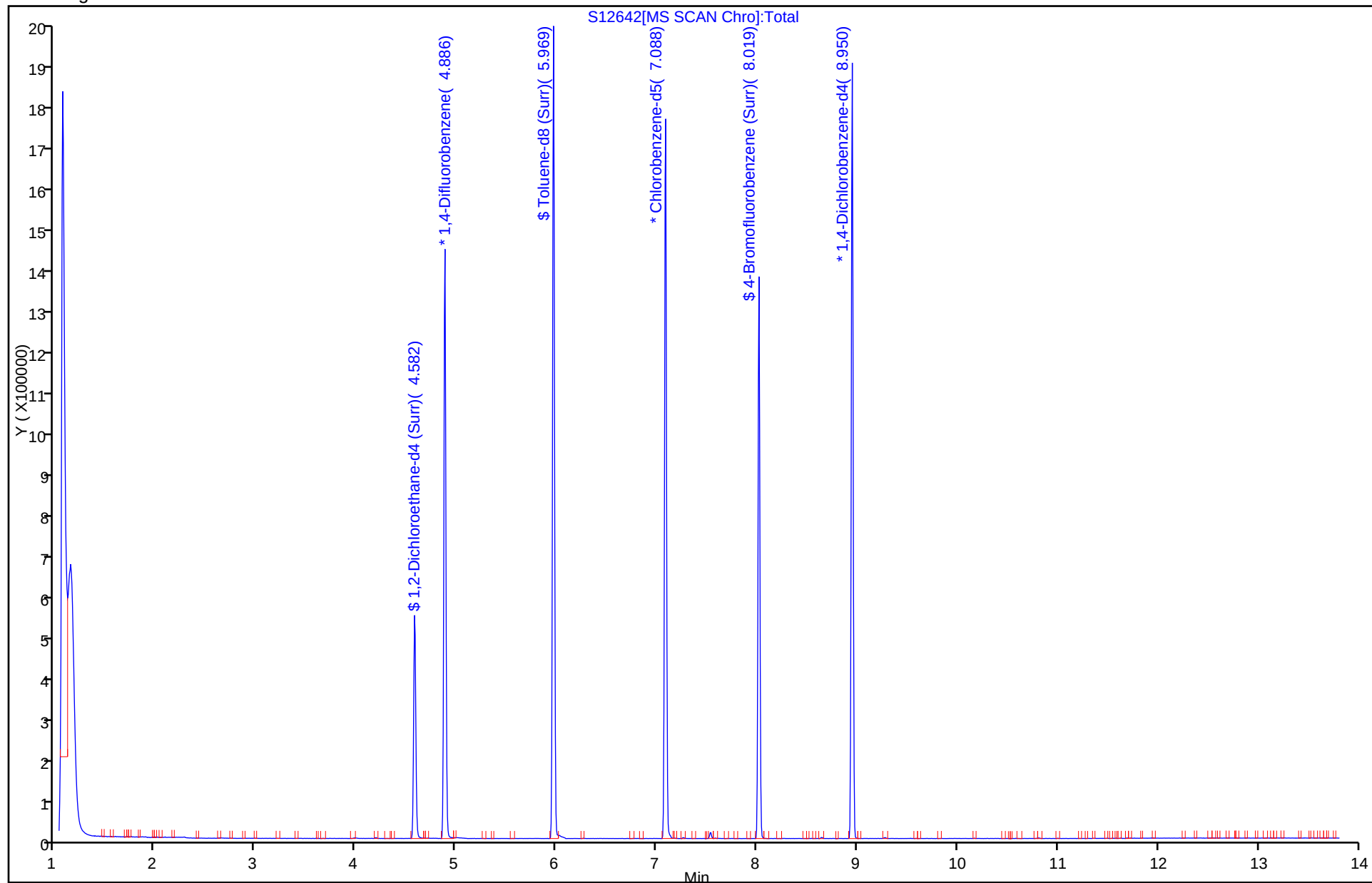
Lims Sample ID: 5

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-58271/5

Matrix: Water Lab File ID: S12670.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 12:16

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-58271/5
 Matrix: Water Lab File ID: S12670.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 12:16
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12670.D
 Lims ID: MB Client ID:
 Inject. Date: 05-Apr-2012 12:16:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0010748-005 =480-0010748-005
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 58271 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:48 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 12:40:48

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	846034	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	85	440475	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	386375	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	154439	29.9	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1006039	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	270529	27.6	
10 Dichlorodifluoromethane	85		1.217					
11 Chlorodifluoromethane	51		1.248					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.467					
14 Bromomethane	94		1.728					
15 Chloroethane	64		1.868					
17 Trichlorofluoromethane	101		1.984					
16 Dichlorofluoromethane	67		2.014					
18 Ethyl ether	59		2.264					
19 Propene oxide	58		2.349					
20 Acrolein	56		2.440					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.477					
23 Acetone	43		2.592					
25 Iodomethane	142		2.647					
26 Carbon disulfide	76		2.653					
24 Isopropyl alcohol	45		2.751					
28 3-Chloro-1-propene	41		2.799					
27 Methyl acetate	43		2.848					
29 Acetonitrile	40		2.872					
30 Methylene Chloride	84		2.970					
31 2-Methyl-2-propanol	59		3.085					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.116					
33 Acrylonitrile	53		3.189					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		3.286					
39 1,1-Dichloroethane	63		3.481					
36 Isopropyl ether	45		3.499					
40 2-Chloro-1,3-butadiene	53		3.529					
37 Vinyl acetate	43		3.535					
38 1,1-Dimethoxyethane	75		3.566					
41 Tert-butyl ethyl ether	59		3.785					
44 2,2-Dichloropropane	77		3.919					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
42 Ethyl acetate	43		4.016					
46 Propionitrile	54		4.083					
48 Chlorobromomethane	128		4.138					
49 Tetrahydrofuran	42		4.162					
47 Methacrylonitrile	41		4.168					
50 Chloroform	83		4.198					
51 1,1,1-Trichloroethane	97		4.290					
52 Cyclohexane	56		4.290					
55 Carbon tetrachloride	117		4.399					
54 1,1-Dichloropropene	75		4.411					
57 Benzene	78		4.582					
53 Isobutyl alcohol	43		4.600					
58 1,2-Dichloroethane	62		4.636					
56 Tert-amyl methyl ether	73		4.643					
59 n-Heptane	43		4.716					
62 Trichloroethene	95		5.056					
60 n-Butanol	56		5.087					
64 Methylcyclohexane	83		5.154					
65 1,2-Dichloropropane	63		5.257					
63 Methyl methacrylate	41		5.330					
67 Dibromomethane	93		5.360					
66 1,4-Dioxane	88		5.373					
68 Dichlorobromomethane	83		5.476					
70 2-Nitropropane	43		5.683					
69 2-Chloroethyl vinyl ether	63		5.695					
71 Epichlorohydrin	57		5.768					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
76 2-Methylthiophene	97		6.121					
77 trans-1,3-Dichloropropene	75		6.230					
78 3-Methylthiophene	97		6.249					
75 Ethyl methacrylate	69		6.261					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
82 1,3-Dichloropropane	76		6.498					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.753					
85 3-Chlorobenzotrifluoride	180		7.076					
87 Chlorobenzene	112		7.106					
86 4-Chlorobenzotrifluoride	180		7.125					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.173					
89 1,1,1,2-Tetrachloroethane	131		7.179					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
93 2-Chlorobenzotrifluoride	180		7.812					
94 Isopropylbenzene	105		7.867					
96 Cyclohexanone	55		8.013					
101 Bromobenzene	156		8.141					
97 1,1,2,2-Tetrachloroethane	83		8.171					
99 N-Propylbenzene	91		8.195					
100 1,2,3-Trichloropropane	110		8.207					
98 trans-1,4-Dichloro-2-butene	53		8.214					
103 2-Chlorotoluene	126		8.280					
102 1,3,5-Trimethylbenzene	105		8.335					
104 3-Chlorotoluene	126		8.335					
105 4-Chlorotoluene	126		8.372					
106 tert-Butylbenzene	134		8.603					
107 1,2,4-Trimethylbenzene	105		8.645					
108 Pentachloroethane	167		8.652					
109 sec-Butylbenzene	105		8.773					
110 4-Isopropyltoluene	119		8.895					
111 1,3-Dichlorobenzene	146		8.895					
114 Dicyclopentadiene	66		8.950					
113 1,4-Dichlorobenzene	146		8.968					
112 1,2,3-Trimethylbenzene	105		8.992					
115 n-Butylbenzene	91		9.236					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
118 1,3,5-Trichlorobenzene	180		10.075					
119 1,2,4-Trichlorobenzene	180		10.598					
120 Hexachlorobutadiene	225		10.708					
121 Naphthalene	128		10.817					
122 1,2,3-Trichlorobenzene	180		11.006					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 05-Apr-2012 12:40:49

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12670.D

Injection Date: 05-Apr-2012 12:16:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58271

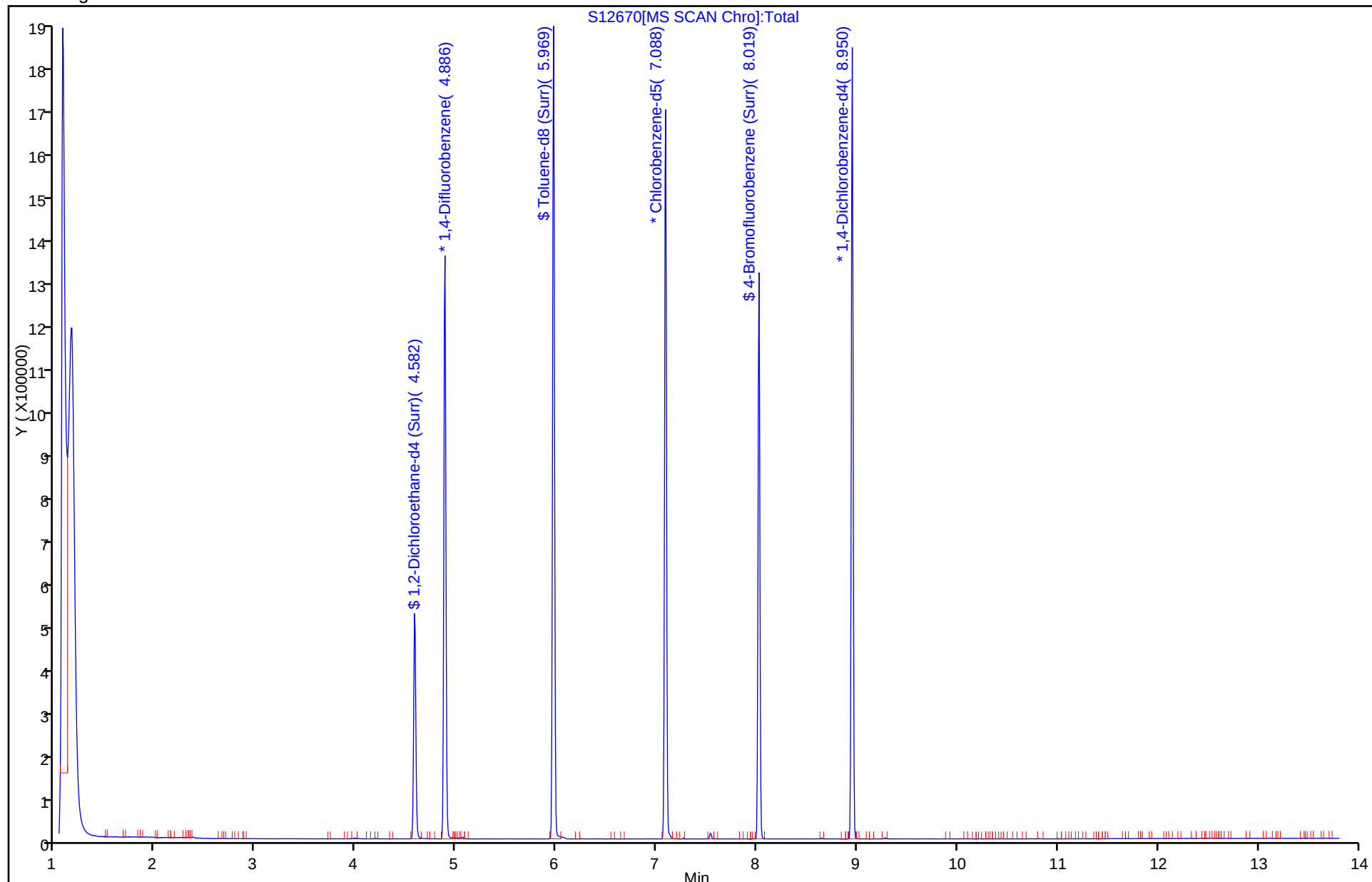
Lims Sample ID: 5

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-58433/5

Matrix: Water Lab File ID: S12711.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 11:47

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-58433/5
 Matrix: Water Lab File ID: S12711.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 11:47
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12711.D
 Lims ID: MB Client ID:
 Inject. Date: 06-Apr-2012 11:47:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0010775-005 =480-0010775-005
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 58433 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 12:07:39 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 12:07:39

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	839299	25.0	
* 2 Chlorobenzene-d5	82	7.082	7.082	0.0	86	433578	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	380603	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	149867	29.3	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	992094	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	267603	27.8	
10 Dichlorodifluoromethane	85		1.218					
11 Chlorodifluoromethane	51		1.248					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.455					
14 Bromomethane	94		1.735					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.996					
16 Dichlorofluoromethane	67		2.021					
18 Ethyl ether	59		2.270					
19 Propene oxide	58		2.349					
20 Acrolein	56		2.440					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
25 Iodomethane	142		2.641					
26 Carbon disulfide	76		2.653					
24 Isopropyl alcohol	45		2.757					
28 3-Chloro-1-propene	41		2.799					
27 Methyl acetate	43		2.848					
29 Acetonitrile	40		2.872					
30 Methylene Chloride	84		2.963					
31 2-Methyl-2-propanol	59		3.085					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
33 Acrylonitrile	53		3.189					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		3.292					
39 1,1-Dichloroethane	63		3.481					
36 Isopropyl ether	45		3.499					
40 2-Chloro-1,3-butadiene	53		3.529					
37 Vinyl acetate	43		3.535					
38 1,1-Dimethoxyethane	75		3.566					
41 Tert-butyl ethyl ether	59		3.785					
44 2,2-Dichloropropane	77		3.919					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
42 Ethyl acetate	43		4.016					
46 Propionitrile	54		4.083					
48 Chlorobromomethane	128		4.138					
49 Tetrahydrofuran	42		4.162					
47 Methacrylonitrile	41		4.168					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
54 1,1-Dichloropropene	75		4.411					
57 Benzene	78		4.582					
53 Isobutyl alcohol	43		4.600					
58 1,2-Dichloroethane	62		4.636					
56 Tert-amyl methyl ether	73		4.643					
59 n-Heptane	43		4.716					
62 Trichloroethene	95		5.056					
60 n-Butanol	56		5.087					
64 Methylcyclohexane	83		5.154					
65 1,2-Dichloropropane	63		5.257					
63 Methyl methacrylate	41		5.330					
67 Dibromomethane	93		5.360					
66 1,4-Dioxane	88		5.373					
68 Dichlorobromomethane	83		5.476					
70 2-Nitropropane	43		5.683					
69 2-Chloroethyl vinyl ether	63		5.695					
71 Epichlorohydrin	57		5.768					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
76 2-Methylthiophene	97		6.121					
77 trans-1,3-Dichloropropene	75		6.230					
78 3-Methylthiophene	97		6.249					
75 Ethyl methacrylate	69		6.261					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
82 1,3-Dichloropropane	76		6.498					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
85 3-Chlorobenzotrifluoride	180		7.076					
87 Chlorobenzene	112		7.106					
86 4-Chlorobenzotrifluoride	180		7.125					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.173					
89 1,1,1,2-Tetrachloroethane	131		7.179					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
93 2-Chlorobenzotrifluoride	180		7.806					
94 Isopropylbenzene	105		7.867					
96 Cyclohexanone	55		8.013					
101 Bromobenzene	156		8.141					
97 1,1,2,2-Tetrachloroethane	83		8.171					
99 N-Propylbenzene	91		8.195					
100 1,2,3-Trichloropropane	110		8.208					
98 trans-1,4-Dichloro-2-butene	53		8.214					
103 2-Chlorotoluene	126		8.281					
102 1,3,5-Trimethylbenzene	105		8.335					
104 3-Chlorotoluene	126		8.335					
105 4-Chlorotoluene	126		8.372					
106 tert-Butylbenzene	134		8.603					
107 1,2,4-Trimethylbenzene	105		8.646					
108 Pentachloroethane	167		8.652					
109 sec-Butylbenzene	105		8.779					
111 1,3-Dichlorobenzene	146		8.895					
110 4-Isopropyltoluene	119		8.895					
114 Dicyclopentadiene	66		8.950					
113 1,4-Dichlorobenzene	146		8.968					
112 1,2,3-Trimethylbenzene	105		8.992					
115 n-Butylbenzene	91		9.236					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
118 1,3,5-Trichlorobenzene	180		10.075					
119 1,2,4-Trichlorobenzene	180		10.598					
120 Hexachlorobutadiene	225		10.708					
121 Naphthalene	128		10.817					
122 1,2,3-Trichlorobenzene	180		11.006					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 12:07:39

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12711.D

Injection Date: 06-Apr-2012 11:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58433

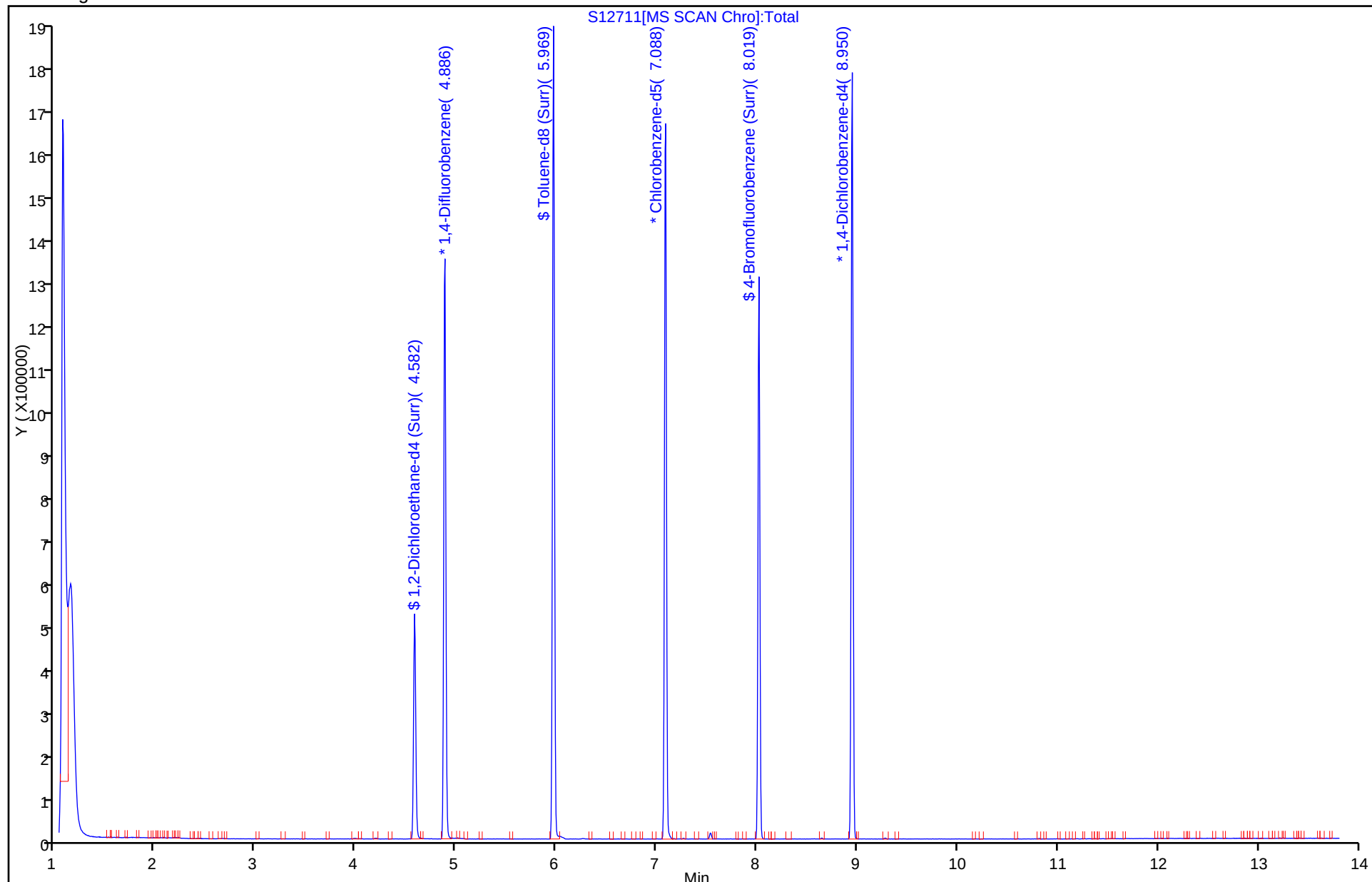
Lims Sample ID: 5

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 480-58561/5

Matrix: Water Lab File ID: S12740.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 22:51

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-58561/5
 Matrix: Water Lab File ID: S12740.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 22:51
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		66-137
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12740.D
 Lims ID: MB Client ID:
 Inject. Date: 06-Apr-2012 22:51:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0010796-005 =480-0010796-005
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 58561 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
 Last Update: 06-Apr-2012 23:15:30 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 23:15:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	808419	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	425452	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	369423	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	95	148806	30.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	974167	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	258170	27.3	
10 Dichlorodifluoromethane	85		1.218					
11 Chlorodifluoromethane	51		1.254					
12 Chloromethane	50		1.394					
13 Vinyl chloride	62		1.461					
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.856					
17 Trichlorofluoromethane	101		1.984					
16 Dichlorofluoromethane	67		2.008					
18 Ethyl ether	59		2.270					
19 Propene oxide	58		2.349					
20 Acrolein	56		2.440					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
25 Iodomethane	142		2.635					
26 Carbon disulfide	76		2.641					
24 Isopropyl alcohol	45		2.757					
28 3-Chloro-1-propene	41		2.799					
27 Methyl acetate	43		2.848					
29 Acetonitrile	40		2.872					
30 Methylene Chloride	84		2.951					
31 2-Methyl-2-propanol	59		3.091					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
33 Acrylonitrile	53		3.189					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		3.286					
39 1,1-Dichloroethane	63		3.481					
36 Isopropyl ether	45		3.499					
40 2-Chloro-1,3-butadiene	53		3.535					
37 Vinyl acetate	43		3.535					
38 1,1-Dimethoxyethane	75		3.566					
41 Tert-butyl ethyl ether	59		3.785					
44 2,2-Dichloropropane	77		3.919					
45 cis-1,2-Dichloroethene	96		3.943					
43 2-Butanone (MEK)	43		3.992					
42 Ethyl acetate	43		4.016					
46 Propionitrile	54		4.083					
48 Chlorobromomethane	128		4.138					
49 Tetrahydrofuran	42		4.162					
47 Methacrylonitrile	41		4.168					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
54 1,1-Dichloropropene	75		4.411					
57 Benzene	78		4.582					
53 Isobutyl alcohol	43		4.600					
58 1,2-Dichloroethane	62		4.636					
56 Tert-amyl methyl ether	73		4.643					
59 n-Heptane	43		4.722					
62 Trichloroethene	95		5.056					
60 n-Butanol	56		5.087					
64 Methylcyclohexane	83		5.154					
65 1,2-Dichloropropane	63		5.257					
63 Methyl methacrylate	41		5.330					
67 Dibromomethane	93		5.360					
66 1,4-Dioxane	88		5.373					
68 Dichlorobromomethane	83		5.476					
70 2-Nitropropane	43		5.683					
69 2-Chloroethyl vinyl ether	63		5.695					
71 Epichlorohydrin	57		5.768					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
76 2-Methylthiophene	97		6.121					
77 trans-1,3-Dichloropropene	75		6.230					
78 3-Methylthiophene	97		6.249					
75 Ethyl methacrylate	69		6.261					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
82 1,3-Dichloropropane	76		6.498					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
85 3-Chlorobenzotrifluoride	180		7.076					
87 Chlorobenzene	112		7.106					
86 4-Chlorobenzotrifluoride	180		7.125					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.173					
89 1,1,1,2-Tetrachloroethane	131		7.179					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
93 2-Chlorobenzotrifluoride	180		7.806					
94 Isopropylbenzene	105		7.867					
96 Cyclohexanone	55		8.013					
101 Bromobenzene	156		8.141					
97 1,1,2,2-Tetrachloroethane	83		8.171					
99 N-Propylbenzene	91		8.195					
100 1,2,3-Trichloropropane	110		8.208					
98 trans-1,4-Dichloro-2-butene	53		8.214					
103 2-Chlorotoluene	126		8.281					
104 3-Chlorotoluene	126		8.335					
102 1,3,5-Trimethylbenzene	105		8.335					
105 4-Chlorotoluene	126		8.372					
106 tert-Butylbenzene	134		8.603					
107 1,2,4-Trimethylbenzene	105		8.646					
108 Pentachloroethane	167		8.652					
109 sec-Butylbenzene	105		8.779					
110 4-Isopropyltoluene	119		8.895					
111 1,3-Dichlorobenzene	146		8.895					
114 Dicyclopentadiene	66		8.950					
113 1,4-Dichlorobenzene	146		8.968					
112 1,2,3-Trimethylbenzene	105		8.992					
115 n-Butylbenzene	91		9.236					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.954					
118 1,3,5-Trichlorobenzene	180		10.075					
119 1,2,4-Trichlorobenzene	180		10.598					
120 Hexachlorobutadiene	225		10.708					
121 Naphthalene	128		10.817					
122 1,2,3-Trichlorobenzene	180		11.006					
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 06-Apr-2012 23:15:31

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12740.D

Injection Date: 06-Apr-2012 22:51:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58561

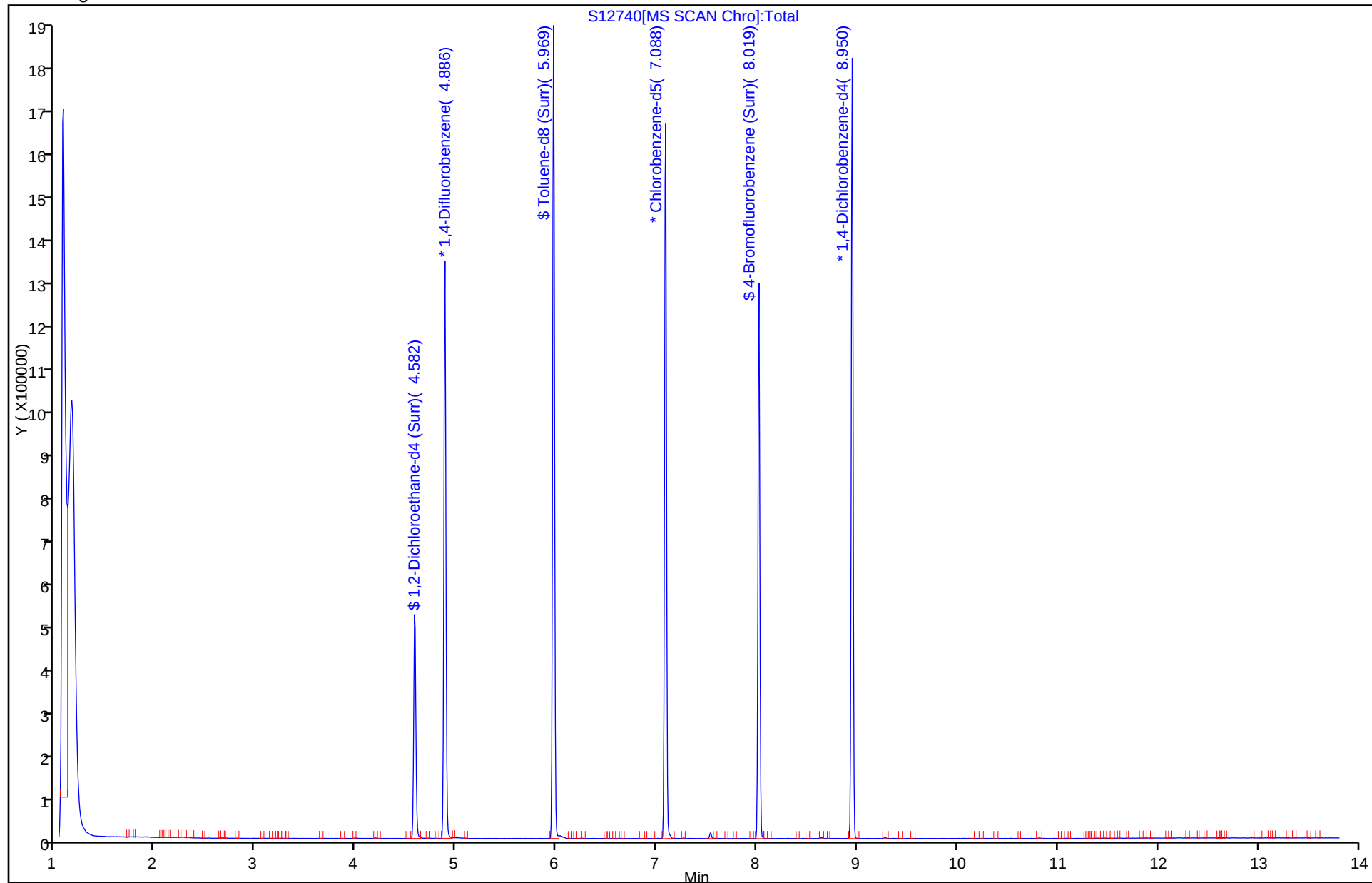
Lims Sample ID: 5

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-58591/5
 Matrix: Water Lab File ID: S12768.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 13:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.23
75-34-3	1,1-Dichloroethane	ND		1.0	0.38
75-35-4	1,1-Dichloroethene	ND		1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.39
106-93-4	1,2-Dibromoethane	ND		1.0	0.73
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.79
107-06-2	1,2-Dichloroethane	ND		1.0	0.21
78-87-5	1,2-Dichloropropane	ND		1.0	0.72
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.78
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.84
78-93-3	2-Butanone (MEK)	ND		10	1.3
591-78-6	2-Hexanone	ND		5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1
67-64-1	Acetone	ND		10	3.0
71-43-2	Benzene	ND		1.0	0.41
75-27-4	Bromodichloromethane	ND		1.0	0.39
75-25-2	Bromoform	ND		1.0	0.26
74-83-9	Bromomethane	ND		1.0	0.69
75-15-0	Carbon disulfide	ND		1.0	0.19
56-23-5	Carbon tetrachloride	ND		1.0	0.27
108-90-7	Chlorobenzene	ND		1.0	0.75
75-00-3	Chloroethane	ND		1.0	0.32
67-66-3	Chloroform	ND		1.0	0.34
74-87-3	Chloromethane	ND		1.0	0.35
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.36
110-82-7	Cyclohexane	ND		1.0	0.18
124-48-1	Dibromochloromethane	ND		1.0	0.32
75-71-8	Dichlorodifluoromethane	ND		1.0	0.68
100-41-4	Ethylbenzene	ND		1.0	0.74
98-82-8	Isopropylbenzene	ND		1.0	0.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 480-58591/5
 Matrix: Water Lab File ID: S12768.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 13:28
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		1.0	0.50
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.16
108-87-2	Methylcyclohexane	ND		1.0	0.16
75-09-2	Methylene Chloride	ND		1.0	0.44
100-42-5	Styrene	ND		1.0	0.73
127-18-4	Tetrachloroethene	ND		1.0	0.36
108-88-3	Toluene	ND		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.37
79-01-6	Trichloroethene	ND		1.0	0.46
75-69-4	Trichlorofluoromethane	ND		1.0	0.88
75-01-4	Vinyl chloride	ND		1.0	0.90
1330-20-7	Xylenes, Total	ND		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	108		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12768.D
 Lims ID: MB Client ID:
 Inject. Date: 07-Apr-2012 13:28:30 Dil. Factor: 1.0000
 Sample Type: MB
 Sample ID: MB
 Misc. Info.: 480-0010803-005 =480-0010803-005
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 5
 Lims Batch ID: 58591 Lims Sample ID: 5
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S-8260.m
 Last Update: 07-Apr-2012 13:48:32 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 07-Apr-2012 13:48:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	812843	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	425556	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	368155	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	96	147929	29.8	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	966004	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	256623	27.1	
10 Dichlorodifluoromethane	85		1.224					
11 Chlorodifluoromethane	51		1.260					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62		1.461					
14 Bromomethane	94		1.741					
15 Chloroethane	64		1.881					
17 Trichlorofluoromethane	101		1.996					
16 Dichlorofluoromethane	67		2.027					
18 Ethyl ether	59		2.264					
19 Propene oxide	58		2.349					
20 Acrolein	56		2.440					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.452					
22 1,1-Dichloroethene	96		2.471					
23 Acetone	43		2.592					
25 Iodomethane	142		2.641					
26 Carbon disulfide	76		2.653					
24 Isopropyl alcohol	45		2.751					
28 3-Chloro-1-propene	41		2.799					
27 Methyl acetate	43		2.848					
29 Acetonitrile	40		2.872					
30 Methylene Chloride	84		2.963					
31 2-Methyl-2-propanol	59		3.085					
32 Methyl tert-butyl ether	73		3.116					
34 trans-1,2-Dichloroethene	96		3.122					
33 Acrylonitrile	53		3.189					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Hexane	57		3.286					
39 1,1-Dichloroethane	63		3.487					
36 Isopropyl ether	45		3.499					
40 2-Chloro-1,3-butadiene	53		3.529					
37 Vinyl acetate	43		3.535					
38 1,1-Dimethoxyethane	75		3.566					
41 Tert-butyl ethyl ether	59		3.785					
44 2,2-Dichloropropane	77		3.919					
45 cis-1,2-Dichloroethene	96		3.949					
43 2-Butanone (MEK)	43		3.992					
42 Ethyl acetate	43		4.016					
46 Propionitrile	54		4.083					
48 Chlorobromomethane	128		4.144					
49 Tetrahydrofuran	42		4.162					
47 Methacrylonitrile	41		4.168					
50 Chloroform	83		4.204					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
54 1,1-Dichloropropene	75		4.411					
57 Benzene	78		4.582					
53 Isobutyl alcohol	43		4.600					
58 1,2-Dichloroethane	62		4.636					
56 Tert-amyl methyl ether	73		4.643					
59 n-Heptane	43		4.716					
62 Trichloroethene	95		5.056					
60 n-Butanol	56		5.087					
64 Methylcyclohexane	83		5.154					
65 1,2-Dichloropropane	63		5.257					
63 Methyl methacrylate	41		5.330					
67 Dibromomethane	93		5.360					
66 1,4-Dioxane	88		5.373					
68 Dichlorobromomethane	83		5.476					
70 2-Nitropropane	43		5.683					
69 2-Chloroethyl vinyl ether	63		5.695					
71 Epichlorohydrin	57		5.768					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92		6.017					
76 2-Methylthiophene	97		6.121					
77 trans-1,3-Dichloropropene	75		6.230					
78 3-Methylthiophene	97		6.249					
75 Ethyl methacrylate	69		6.261					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166		6.413					
82 1,3-Dichloropropane	76		6.498					
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
85 3-Chlorobenzotrifluoride	180		7.076					
87 Chlorobenzene	112		7.106					
86 4-Chlorobenzotrifluoride	180		7.125					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 Ethylbenzene	91		7.173					
89 1,1,1,2-Tetrachloroethane	131		7.179					
90 m-Xylene & p-Xylene	106		7.265					
91 o-Xylene	106		7.581					
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
93 2-Chlorobenzotrifluoride	180		7.806					
94 Isopropylbenzene	105		7.867					
96 Cyclohexanone	55		8.013					
101 Bromobenzene	156		8.141					
97 1,1,2,2-Tetrachloroethane	83		8.171					
99 N-Propylbenzene	91		8.195					
100 1,2,3-Trichloropropane	110		8.207					
98 trans-1,4-Dichloro-2-butene	53		8.214					
103 2-Chlorotoluene	126		8.280					
102 1,3,5-Trimethylbenzene	105		8.335					
104 3-Chlorotoluene	126		8.335					
105 4-Chlorotoluene	126		8.372					
106 tert-Butylbenzene	134		8.603					
107 1,2,4-Trimethylbenzene	105		8.645					
108 Pentachloroethane	167		8.652					
109 sec-Butylbenzene	105		8.779					
110 4-Isopropyltoluene	119		8.895					
111 1,3-Dichlorobenzene	146		8.895					
114 Dicyclopentadiene	66		8.950					
113 1,4-Dichlorobenzene	146		8.968					
112 1,2,3-Trimethylbenzene	105		8.992					
115 n-Butylbenzene	91		9.236					
116 1,2-Dichlorobenzene	146		9.278					
117 1,2-Dibromo-3-Chloropropane	75		9.953					
118 1,3,5-Trichlorobenzene	180		10.075					
119 1,2,4-Trichlorobenzene	180		10.598					
120 Hexachlorobutadiene	225		10.708					
121 Naphthalene	128		10.817					
122 1,2,3-Trichlorobenzene	180		11.006					
S 125 1,2-Dichloroethene, Total	1		30.000					7
S 126 1,3-Dichloropropene, Total	1		30.000					7
S 123 Total BTEX	1		30.000					7
S 124 Xylenes, Total	1		30.000					7
T 8 t-Amyl alcohol	59		0.000					1
T 7 Ethylene oxide	1		0.000					1
T 9 bis(2-chloromethyl)ether TIC	1		0.000					1
T 127 Ethanol TIC	45		0.000					1
T 128 Hexachloroethane TIC	1		0.000					1

QC Flag Legend

Processing Flags

1 - Missing Peaks

7 - Failed Limit of Detection

Report Date: 07-Apr-2012 13:48:32

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12768.D

Injection Date: 07-Apr-2012 13:28:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58591

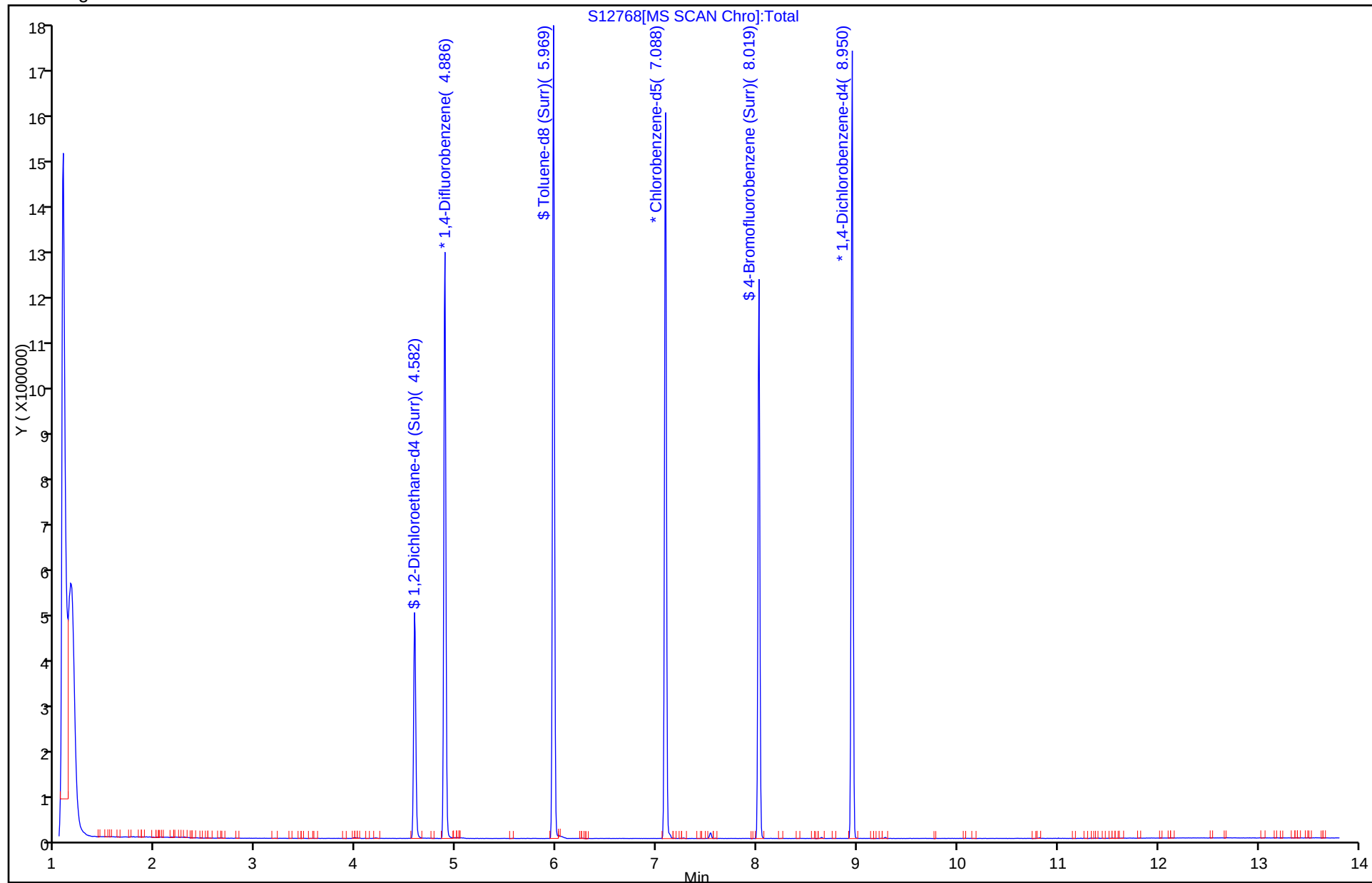
Lims Sample ID: 5

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-58178/4
 Matrix: Water Lab File ID: S12641.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/04/2012 23:24
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	27.4		1.0	0.38
75-35-4	1,1-Dichloroethene	23.8		1.0	0.29
95-50-1	1,2-Dichlorobenzene	28.0		1.0	0.79
107-06-2	1,2-Dichloroethane	26.5		1.0	0.21
71-43-2	Benzene	29.3		1.0	0.41
108-90-7	Chlorobenzene	27.4		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	28.3		1.0	0.81
100-41-4	Ethylbenzene	28.2		1.0	0.74
1634-04-4	Methyl tert-butyl ether	26.0		1.0	0.16
127-18-4	Tetrachloroethene	28.1		1.0	0.36
108-88-3	Toluene	28.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	30.9		1.0	0.90
79-01-6	Trichloroethene	27.6		1.0	0.46
1330-20-7	Xylenes, Total	85.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		66-137
460-00-4	4-Bromofluorobenzene (Surr)	113		73-120
2037-26-5	Toluene-d8 (Surr)	123		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12641.D
 Lims ID: LCS Client ID:
 Inject. Date: 04-Apr-2012 23:24:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0010730-004 =480-0010730-004
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 31
 Lims Batch ID: 58178 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 04-Apr-2012 23:42:59 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: larsonr

Date: 04-Apr-2012 23:42:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	874437	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	85	451749	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	399935	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	154279	28.9	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1037662	30.7	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	284451	28.3	
22 1,1-Dichloroethene	96	2.483	2.471	0.012	89	204879	23.8	
34 trans-1,2-Dichloroethene	96	3.122	3.116	0.006	51	271087	30.9	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	790762	26.0	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	415205	27.4	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	280636	28.3	
57 Benzene	78	4.582	4.582	0.0	96	1116455	29.3	
58 1,2-Dichloroethane	62	4.643	4.637	0.006	74	346977	26.5	
62 Trichloroethene	95	5.062	5.056	0.006	93	261903	27.6	
74 Toluene	92	6.017	6.017	0.0	88	702652	28.0	
81 Tetrachloroethene	166	6.413	6.413	0.0	91	262351	28.1	
87 Chlorobenzene	112	7.106	7.106	0.0	92	744376	27.4	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1340838	28.2	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	1035174	57.2	
91 o-Xylene	106	7.581	7.581	0.0	97	499054	28.4	
107 1,2,4-Trimethylbenzene	105	8.645	8.646	-0.001	91	1118615	28.9	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	94	573833	28.0	
S 125 1,2-Dichloroethene, Total	1				0		59.2	
S 124 Xylenes, Total	1				0		85.5	

Report Date: 04-Apr-2012 23:42:59

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12641.D

Injection Date: 04-Apr-2012 23:24:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58178

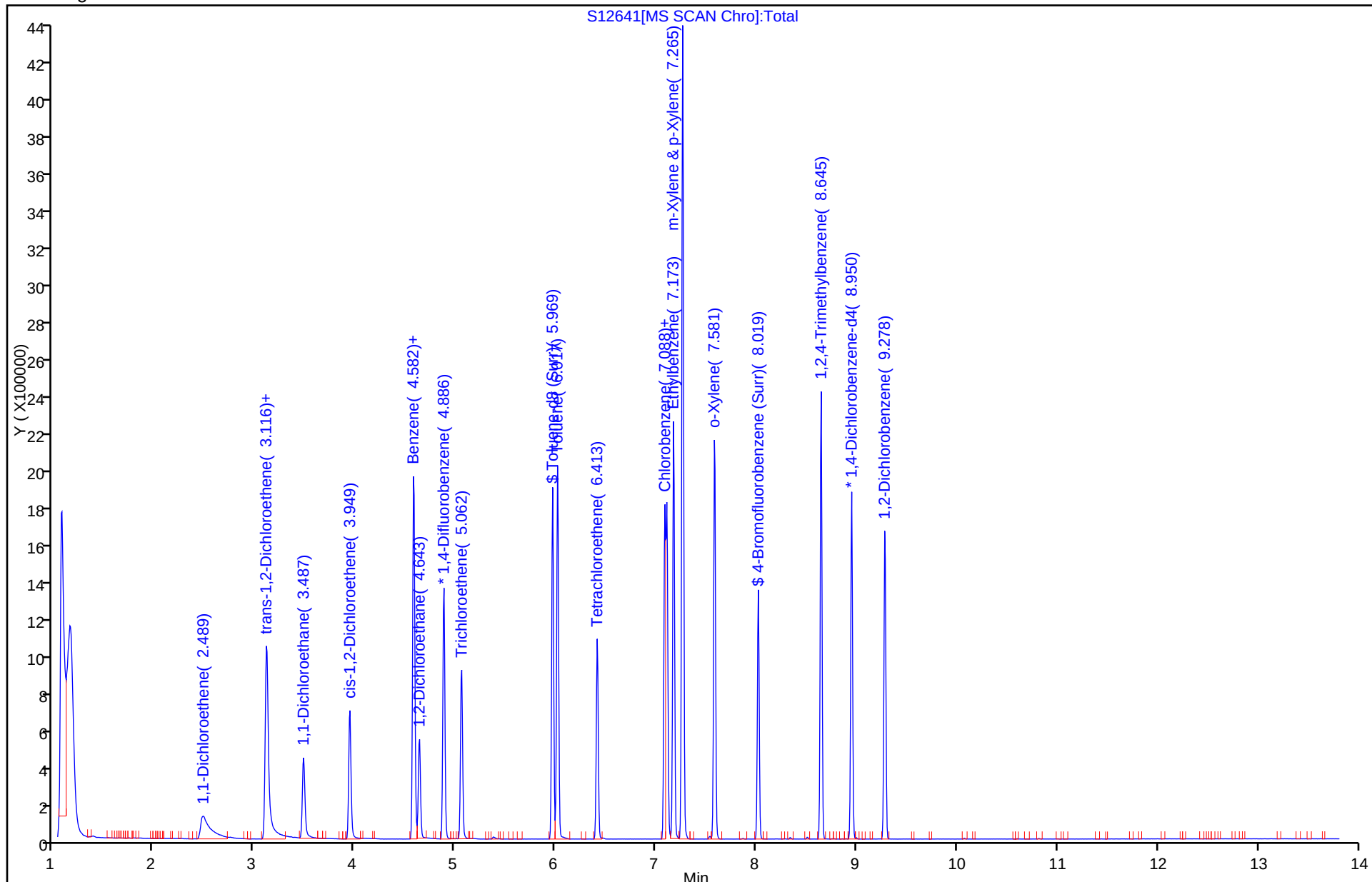
Lims Sample ID: 4

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-58271/4
 Matrix: Water Lab File ID: S12669.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 11:55
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58271 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	26.8		1.0	0.38
75-35-4	1,1-Dichloroethene	21.0		1.0	0.29
95-50-1	1,2-Dichlorobenzene	26.5		1.0	0.79
107-06-2	1,2-Dichloroethane	25.5		1.0	0.21
71-43-2	Benzene	27.9		1.0	0.41
108-90-7	Chlorobenzene	26.4		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	26.8		1.0	0.81
100-41-4	Ethylbenzene	27.3		1.0	0.74
1634-04-4	Methyl tert-butyl ether	24.4		1.0	0.16
127-18-4	Tetrachloroethene	26.5		1.0	0.36
108-88-3	Toluene	27.0		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.3		1.0	0.90
79-01-6	Trichloroethene	26.5		1.0	0.46
1330-20-7	Xylenes, Total	82.3		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12669.D
 Lims ID: LCS Client ID:
 Inject. Date: 05-Apr-2012 11:55:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0010748-004 =480-0010748-004
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 58271 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S-8260.m
 Last Update: 05-Apr-2012 12:40:25 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 12:40:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	853144	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	444995	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	393424	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	54	152590	29.3	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	1018603	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	274957	27.8	
22 1,1-Dichloroethene	96	2.477	2.477	0.0	88	176151	21.0	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	723712	24.4	
34 trans-1,2-Dichloroethene	96	3.122	3.116	0.006	48	216698	25.3	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	396464	26.8	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	260132	26.8	
57 Benzene	78	4.582	4.582	0.0	96	1038288	27.9	
58 1,2-Dichloroethane	62	4.642	4.636	0.006	74	326027	25.5	
62 Trichloroethene	95	5.062	5.056	0.006	93	245590	26.5	
74 Toluene	92	6.017	6.017	0.0	87	666746	27.0	
81 Tetrachloroethene	166	6.413	6.413	0.0	92	243731	26.5	
87 Chlorobenzene	112	7.106	7.106	0.0	92	704287	26.4	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1280636	27.3	
90 m-Xylene & p-Xylene	106	7.265	7.265	-0.001	98	982325	55.1	
91 o-Xylene	106	7.581	7.581	0.0	97	471307	27.2	
107 1,2,4-Trimethylbenzene	105	8.645	8.645	0.0	91	1048978	27.5	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	535029	26.5	
S 124 Xylenes, Total	1				0		82.2	
S 125 1,2-Dichloroethene, Total	1				0		52.2	

Report Date: 05-Apr-2012 12:40:25

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120405-10748.b\S12669.D

Injection Date: 05-Apr-2012 11:55:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58271

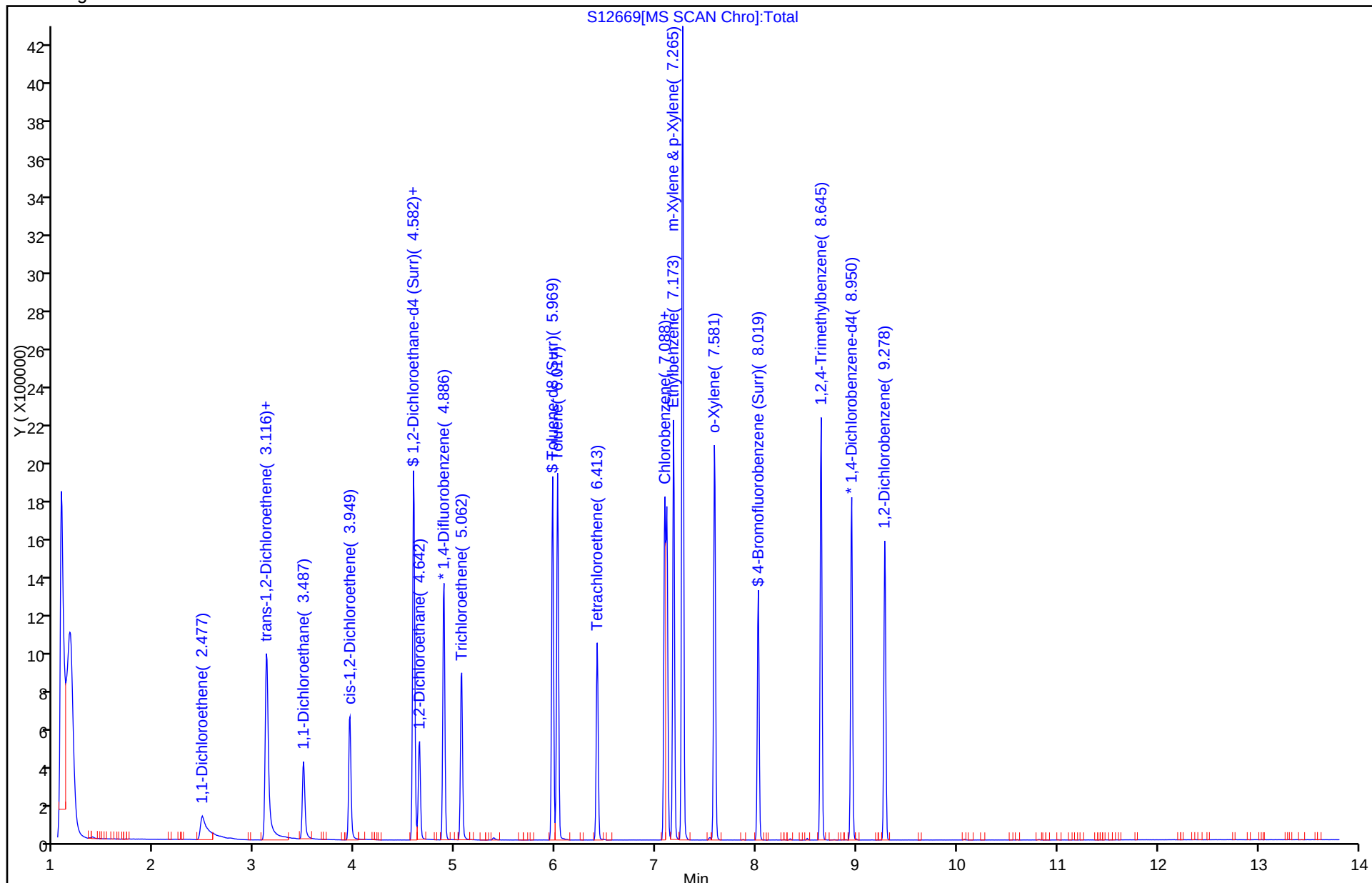
Lims Sample ID: 4

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-58433/4
 Matrix: Water Lab File ID: S12710.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 11:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	26.5		1.0	0.38
75-35-4	1,1-Dichloroethene	22.1		1.0	0.29
95-50-1	1,2-Dichlorobenzene	26.3		1.0	0.79
107-06-2	1,2-Dichloroethane	25.2		1.0	0.21
71-43-2	Benzene	28.0		1.0	0.41
108-90-7	Chlorobenzene	26.9		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	26.6		1.0	0.81
100-41-4	Ethylbenzene	27.6		1.0	0.74
1634-04-4	Methyl tert-butyl ether	24.5		1.0	0.16
127-18-4	Tetrachloroethene	26.8		1.0	0.36
108-88-3	Toluene	27.3		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	25.0		1.0	0.90
79-01-6	Trichloroethene	26.8		1.0	0.46
1330-20-7	Xylenes, Total	83.6		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		66-137
460-00-4	4-Bromofluorobenzene (Surr)	114		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12710.D
 Lims ID: LCS Client ID:
 Inject. Date: 06-Apr-2012 11:25:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0010775-004 =480-0010775-004
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 58433 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 12:07:12 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 06-Apr-2012 12:07:12

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	838195	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	427993	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	382546	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	53	149403	29.2	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	980476	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	270143	28.4	
22 1,1-Dichloroethene	96	2.477	2.471	0.006	86	182297	22.1	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	87	714389	24.5	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	50	210027	25.0	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	384470	26.5	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	252919	26.6	
57 Benzene	78	4.582	4.582	0.0	96	1025253	28.0	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	74	316148	25.2	
62 Trichloroethene	95	5.062	5.056	0.006	93	244016	26.8	
74 Toluene	92	6.017	6.017	0.0	88	649411	27.3	
81 Tetrachloroethene	166	6.413	6.413	0.0	91	237591	26.8	
87 Chlorobenzene	112	7.106	7.106	0.0	91	690407	26.9	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1241468	27.6	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	960934	56.0	
91 o-Xylene	106	7.581	7.581	0.0	97	459749	27.6	
107 1,2,4-Trimethylbenzene	105	8.646	8.646	0.0	91	1031306	27.8	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	515337	26.3	
S 124 Xylenes, Total	1				0		83.6	
S 125 1,2-Dichloroethene, Total	1				0		51.6	

Report Date: 06-Apr-2012 12:07:12

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12710.D

Injection Date: 06-Apr-2012 11:25:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58433

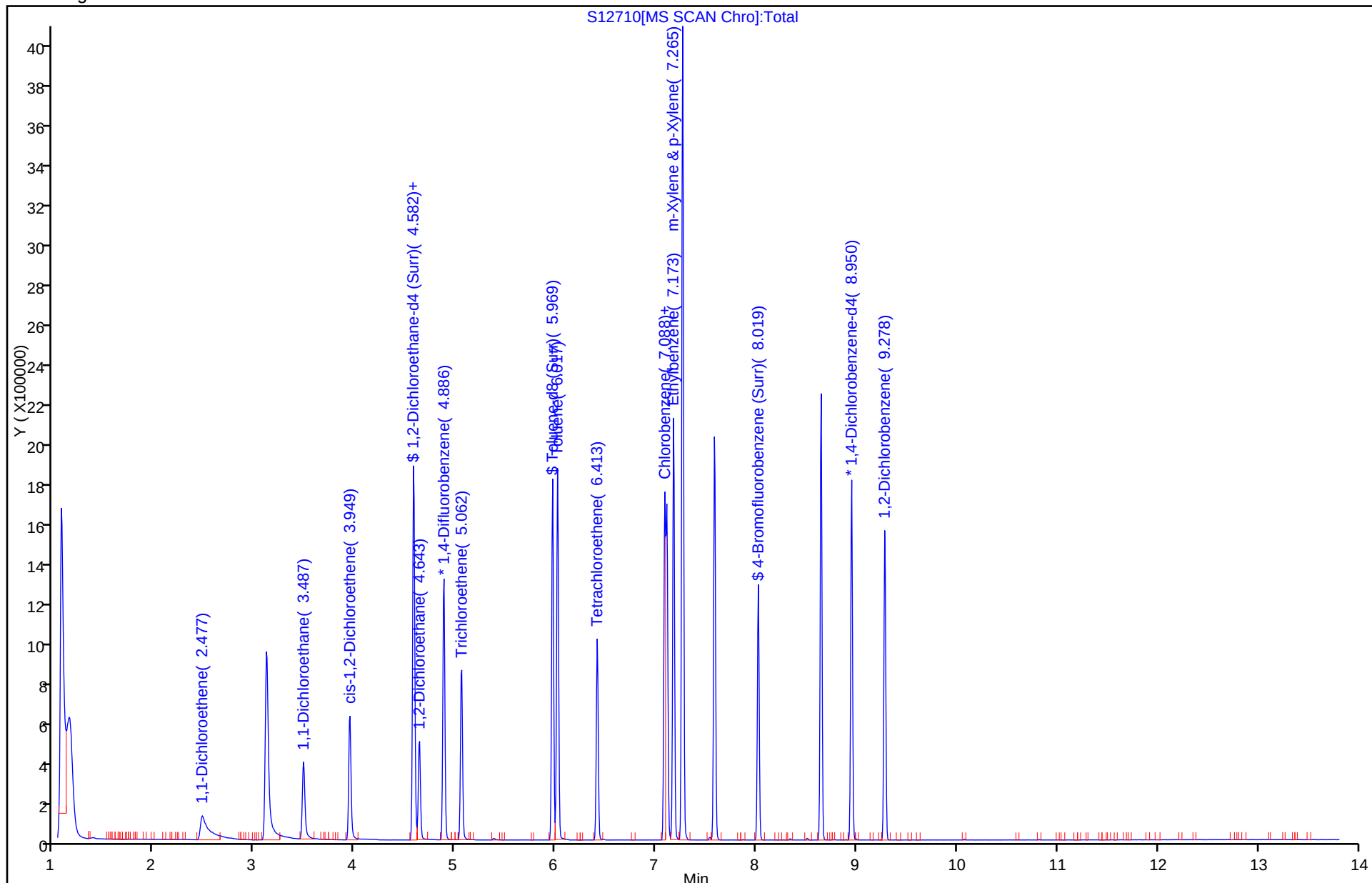
Lims Sample ID: 4

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 480-58561/4

Matrix: Water Lab File ID: S12739.D

Analysis Method: 8260B Date Collected: _____

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 22:29

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	29.4		1.0	0.38
75-35-4	1,1-Dichloroethene	23.8		1.0	0.29
95-50-1	1,2-Dichlorobenzene	27.2		1.0	0.79
107-06-2	1,2-Dichloroethane	26.5		1.0	0.21
71-43-2	Benzene	29.9		1.0	0.41
108-90-7	Chlorobenzene	27.4		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	28.4		1.0	0.81
100-41-4	Ethylbenzene	28.4		1.0	0.74
1634-04-4	Methyl tert-butyl ether	25.3		1.0	0.16
127-18-4	Tetrachloroethene	28.1		1.0	0.36
108-88-3	Toluene	28.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	28.8		1.0	0.90
79-01-6	Trichloroethene	28.1		1.0	0.46
1330-20-7	Xylenes, Total	85.9		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12739.D
 Lims ID: LCS Client ID:
 Inject. Date: 06-Apr-2012 22:29:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0010796-004 =480-0010796-004
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 58561 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
 Last Update: 06-Apr-2012 23:00:04 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 23:00:04

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	813387	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	424302	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	376811	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	146587	29.6	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	969875	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	261509	27.7	
22 1,1-Dichloroethene	96	2.483	2.471	0.012	87	190694	23.8	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	715405	25.3	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	51	234494	28.8	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	413516	29.4	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	261994	28.4	
57 Benzene	78	4.582	4.582	0.0	96	1061298	29.9	
58 1,2-Dichloroethane	62	4.643	4.636	0.006	74	322372	26.5	
62 Trichloroethene	95	5.062	5.056	0.006	93	248740	28.1	
74 Toluene	92	6.017	6.017	0.0	88	671404	28.5	
81 Tetrachloroethene	166	6.413	6.413	0.0	91	246397	28.1	
87 Chlorobenzene	112	7.106	7.106	0.0	91	698929	27.4	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1270204	28.4	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	979754	57.6	
91 o-Xylene	106	7.581	7.581	0.0	97	467485	28.3	
107 1,2,4-Trimethylbenzene	105	8.645	8.646	-0.001	97	1036578	28.4	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	526221	27.2	
S 124 Xylenes, Total	1				0		85.9	
S 125 1,2-Dichloroethene, Total	1				0		57.1	

Report Date: 06-Apr-2012 23:00:04

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12739.D

Injection Date: 06-Apr-2012 22:29:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58561

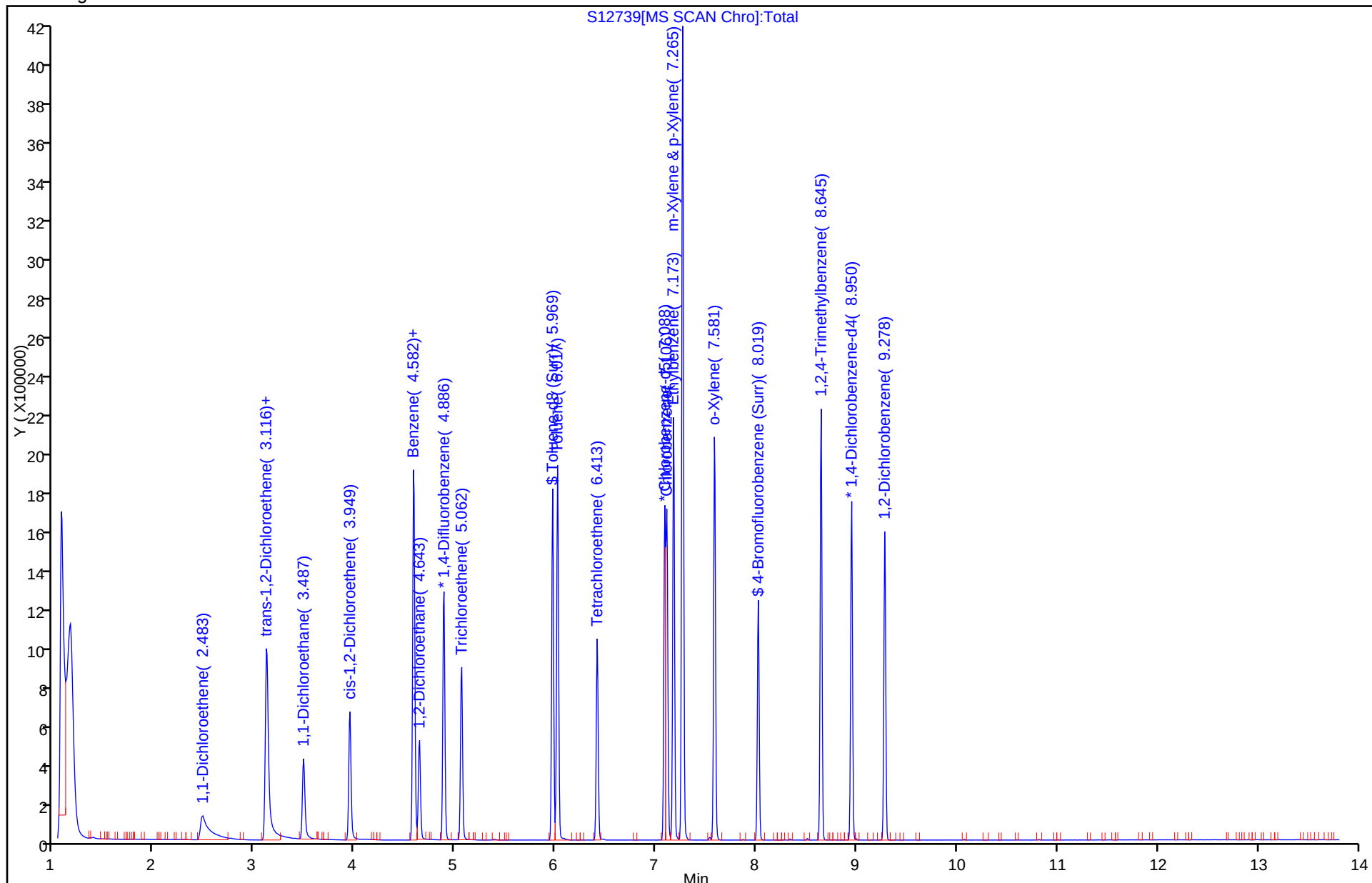
Lims Sample ID: 4

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 480-58591/4
 Matrix: Water Lab File ID: S12767.D
 Analysis Method: 8260B Date Collected: _____
 Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 13:06
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58591 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	28.4		1.0	0.38
75-35-4	1,1-Dichloroethene	24.3		1.0	0.29
95-50-1	1,2-Dichlorobenzene	28.1		1.0	0.79
107-06-2	1,2-Dichloroethane	27.2		1.0	0.21
71-43-2	Benzene	30.2		1.0	0.41
108-90-7	Chlorobenzene	27.6		1.0	0.75
156-59-2	cis-1,2-Dichloroethene	28.3		1.0	0.81
100-41-4	Ethylbenzene	28.6		1.0	0.74
1634-04-4	Methyl tert-butyl ether	25.8		1.0	0.16
127-18-4	Tetrachloroethene	28.1		1.0	0.36
108-88-3	Toluene	28.5		1.0	0.51
156-60-5	trans-1,2-Dichloroethene	31.2		1.0	0.90
79-01-6	Trichloroethene	28.7		1.0	0.46
1330-20-7	Xylenes, Total	86.5		2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12767.D
 Lims ID: LCS Client ID:
 Inject. Date: 07-Apr-2012 13:06:30 Dil. Factor: 1.0000
 Sample Type: LCS
 Sample ID: LCS
 Misc. Info.: 480-0010803-004 =480-0010803-004
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 4
 Lims Batch ID: 58591 Lims Sample ID: 4
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S-8260.m
 Last Update: 07-Apr-2012 13:47:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 07-Apr-2012 13:47:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	812721	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	427898	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	371919	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	147857	29.8	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	975718	30.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	261124	27.5	
22 1,1-Dichloroethene	96	2.483	2.471	0.012	89	194387	24.3	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	727819	25.8	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	50	253888	31.2	
39 1,1-Dichloroethane	63	3.487	3.487	0.0	85	399422	28.4	
45 cis-1,2-Dichloroethene	96	3.949	3.949	0.0	66	261003	28.3	
57 Benzene	78	4.582	4.582	0.0	96	1072198	30.2	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	74	330808	27.2	
62 Trichloroethene	95	5.062	5.056	0.006	92	253337	28.7	
74 Toluene	92	6.018	6.017	0.001	88	676690	28.5	
81 Tetrachloroethene	166	6.413	6.413	0.0	91	249133	28.1	
87 Chlorobenzene	112	7.106	7.106	0.0	92	709579	27.6	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1289249	28.6	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	990100	57.7	
91 o-Xylene	106	7.581	7.581	0.0	97	480200	28.8	
107 1,2,4-Trimethylbenzene	105	8.646	8.645	0.001	97	1057040	29.3	
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	535538	28.1	
S 125 1,2-Dichloroethene, Total	1				0		59.4	
S 124 Xylenes, Total	1				0		86.5	

Report Date: 07-Apr-2012 13:47:14

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120407-10803.b\S12767.D

Injection Date: 07-Apr-2012 13:06:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58591

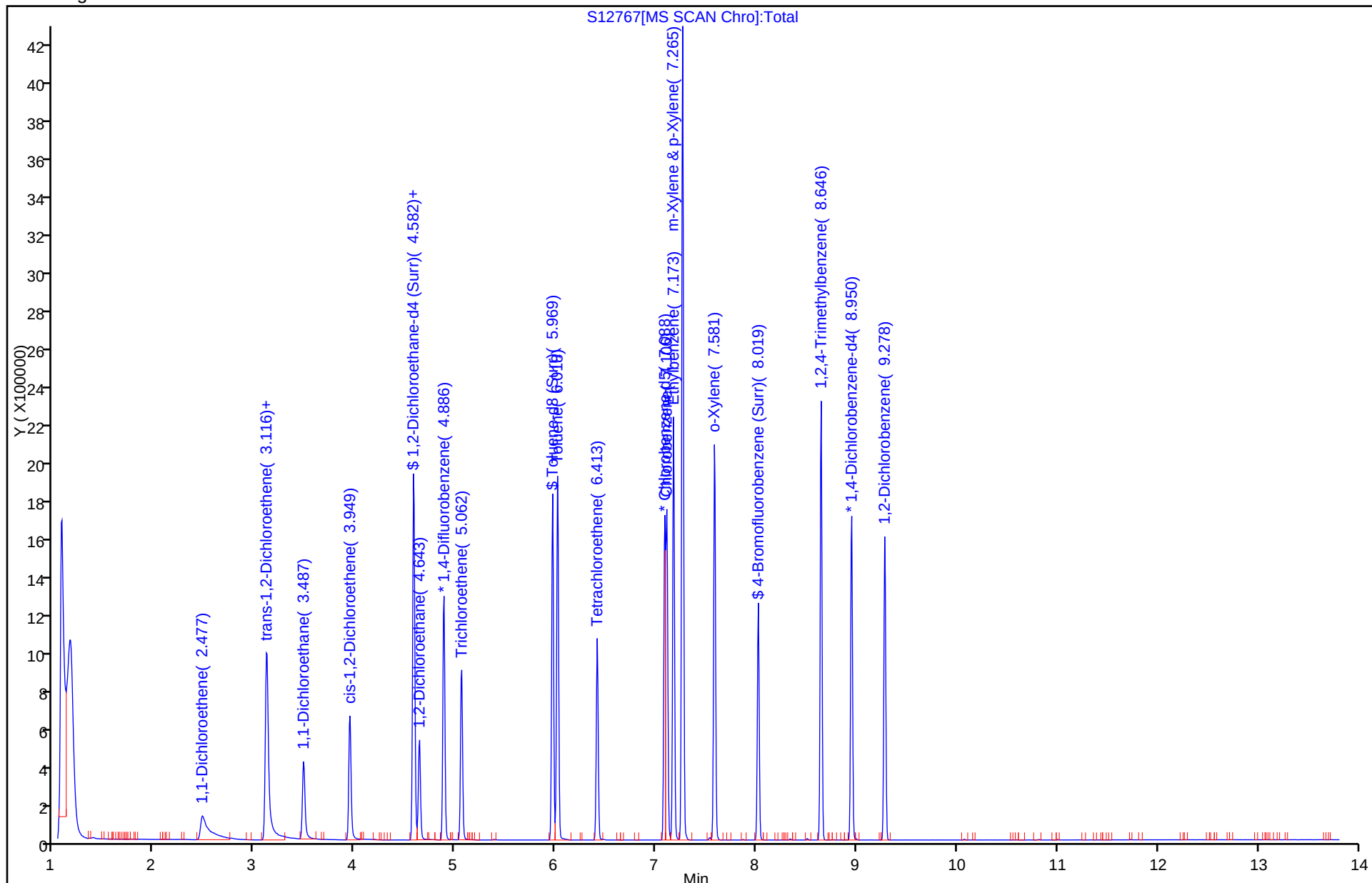
Lims Sample ID: 4

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-8R MS Lab Sample ID: 480-18001-4 MS

Matrix: Ground Water Lab File ID: S12664.D

Analysis Method: 8260B Date Collected: 04/03/2012 12:15

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 07:47

Soil Aliquot Vol: _____ Dilution Factor: 2000

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620
79-00-5	1,1,2-Trichloroethane	ND		2000	460
75-34-3	1,1-Dichloroethane	57800		2000	760
75-35-4	1,1-Dichloroethene	50400		2000	580
120-82-1	1,2,4-Trichlorobenzene	ND		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2000	780
106-93-4	1,2-Dibromoethane	ND		2000	1500
95-50-1	1,2-Dichlorobenzene	56200		2000	1600
107-06-2	1,2-Dichloroethane	54400		2000	420
78-87-5	1,2-Dichloropropane	ND		2000	1400
541-73-1	1,3-Dichlorobenzene	ND		2000	1600
106-46-7	1,4-Dichlorobenzene	ND		2000	1700
78-93-3	2-Butanone (MEK)	ND		20000	2600
591-78-6	2-Hexanone	ND		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	4200
67-64-1	Acetone	ND		20000	6000
71-43-2	Benzene	60600		2000	820
75-27-4	Bromodichloromethane	ND		2000	780
75-25-2	Bromoform	ND		2000	520
74-83-9	Bromomethane	ND		2000	1400
75-15-0	Carbon disulfide	ND		2000	380
56-23-5	Carbon tetrachloride	ND		2000	540
108-90-7	Chlorobenzene	55200		2000	1500
75-00-3	Chloroethane	ND		2000	640
67-66-3	Chloroform	ND		2000	680
74-87-3	Chloromethane	ND		2000	700
156-59-2	cis-1,2-Dichloroethene	113000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	ND		2000	720
110-82-7	Cyclohexane	ND		2000	360
124-48-1	Dibromochloromethane	ND		2000	640
75-71-8	Dichlorodifluoromethane	ND		2000	1400
100-41-4	Ethylbenzene	57200		2000	1500
98-82-8	Isopropylbenzene	ND		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-8R MS Lab Sample ID: 480-18001-4 MS
 Matrix: Ground Water Lab File ID: S12664.D
 Analysis Method: 8260B Date Collected: 04/03/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 07:47
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2000	1000
1634-04-4	Methyl tert-butyl ether	51000		2000	320
108-87-2	Methylcyclohexane	ND		2000	320
75-09-2	Methylene Chloride	ND		2000	880
100-42-5	Styrene	ND		2000	1500
127-18-4	Tetrachloroethene	56000		2000	720
108-88-3	Toluene	57400		2000	1000
156-60-5	trans-1,2-Dichloroethene	61600		2000	1800
10061-02-6	trans-1,3-Dichloropropene	ND		2000	740
79-01-6	Trichloroethene	156000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	2600		2000	1800
1330-20-7	Xylenes, Total	173000		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12664.D
 Lims ID: 480-18001-A-4 MS Client ID:
 Inject. Date: 05-Apr-2012 07:47:30 Dil. Factor: 2000.0000
 Sample Type: MS
 Sample ID: 480-18001-A-4 MS
 Misc. Info.: 480-0010730-027 =480-0010730-027
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 54
 Lims Batch ID: 58178 Lims Sample ID: 27
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:21:40

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	836335	25.0	
* 2 Chlorobenzene-d5	82	7.082	7.088	-0.006	86	436752	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	96	382454	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	151709	29.7	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	998301	30.6	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	269712	27.8	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.467	1.455	0.012	23	11483	1.30	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96	2.477	2.471	0.006	89	207434	25.2	
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96	3.122	3.116	0.006	51	257740	30.8	
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	741375	25.5	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	418230	28.9	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	534864	56.3	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	96	1104286	30.3	
58 1,2-Dichloroethane	62	4.643	4.637	0.007	74	340330	27.2	
62 Trichloroethene	95	5.062	5.056	0.006	93	710381	78.1	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92	6.017	6.017	0.0	89	695345	28.7	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	92	252602	28.0	
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112	7.106	7.106	0.0	92	723062	27.6	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1314324	28.6	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	1014012	57.9	
91 o-Xylene	106	7.581	7.581	0.0	97	485364	28.5	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	550948	28.1	
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		86.4	

Report Date: 05-Apr-2012 10:21:40

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12664.D

Injection Date: 05-Apr-2012 07:47:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58178

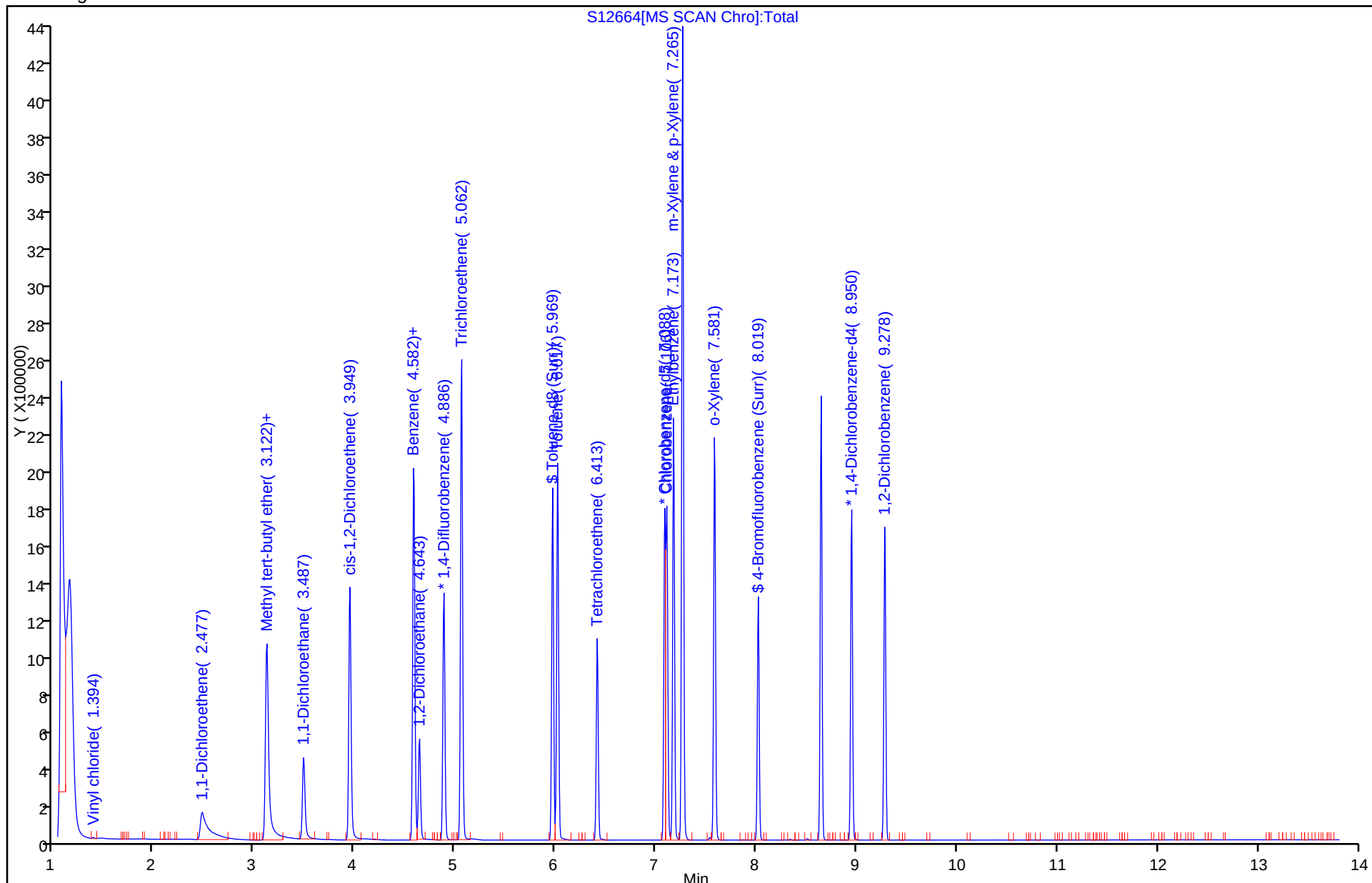
Lims Sample ID: 27

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: Duplicate MS Lab Sample ID: 480-18001-9 MS

Matrix: Water Lab File ID: S12762.D

Analysis Method: 8260B Date Collected: 04/03/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 07:01

Soil Aliquot Vol: _____ Dilution Factor: 2500

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2500	2100
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	530
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	780
79-00-5	1,1,2-Trichloroethane	ND		2500	580
75-34-3	1,1-Dichloroethane	71000		2500	950
75-35-4	1,1-Dichloroethene	57300		2500	730
120-82-1	1,2,4-Trichlorobenzene	ND		2500	1000
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2500	980
106-93-4	1,2-Dibromoethane	ND		2500	1800
95-50-1	1,2-Dichlorobenzene	69500		2500	2000
107-06-2	1,2-Dichloroethane	67800		2500	530
78-87-5	1,2-Dichloropropane	ND		2500	1800
541-73-1	1,3-Dichlorobenzene	ND		2500	2000
106-46-7	1,4-Dichlorobenzene	ND		2500	2100
78-93-3	2-Butanone (MEK)	ND		25000	3300
591-78-6	2-Hexanone	ND		13000	3100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		13000	5300
67-64-1	Acetone	ND		25000	7500
71-43-2	Benzene	73500		2500	1000
75-27-4	Bromodichloromethane	ND		2500	980
75-25-2	Bromoform	ND		2500	650
74-83-9	Bromomethane	ND		2500	1700
75-15-0	Carbon disulfide	ND		2500	480
56-23-5	Carbon tetrachloride	ND		2500	680
108-90-7	Chlorobenzene	67500		2500	1900
75-00-3	Chloroethane	ND		2500	800
67-66-3	Chloroform	ND		2500	850
74-87-3	Chloromethane	ND		2500	880
156-59-2	cis-1,2-Dichloroethene	189000		2500	2000
10061-01-5	cis-1,3-Dichloropropene	ND		2500	900
110-82-7	Cyclohexane	ND		2500	450
124-48-1	Dibromochloromethane	ND		2500	800
75-71-8	Dichlorodifluoromethane	ND		2500	1700
100-41-4	Ethylbenzene	69000		2500	1900
98-82-8	Isopropylbenzene	ND		2500	2000

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Duplicate MS Lab Sample ID: 480-18001-9 MS
 Matrix: Water Lab File ID: S12762.D
 Analysis Method: 8260B Date Collected: 04/03/2012 08:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 07:01
 Soil Aliquot Vol: _____ Dilution Factor: 2500
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2500	1300
1634-04-4	Methyl tert-butyl ether	61800		2500	400
108-87-2	Methylcyclohexane	ND		2500	400
75-09-2	Methylene Chloride	ND		2500	1100
100-42-5	Styrene	ND		2500	1800
127-18-4	Tetrachloroethene	64800		2500	900
108-88-3	Toluene	69000		2500	1300
156-60-5	trans-1,2-Dichloroethene	69800		2500	2300
10061-02-6	trans-1,3-Dichloropropene	ND		2500	930
79-01-6	Trichloroethene	104000		2500	1200
75-69-4	Trichlorofluoromethane	ND		2500	2200
75-01-4	Vinyl chloride	6900		2500	2300
1330-20-7	Xylenes, Total	211000		5000	1700

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		66-137
460-00-4	4-Bromofluorobenzene (Surr)	109		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12762.D
 Lims ID: 480-18001-B-9 MS Client ID:
 Inject. Date: 07-Apr-2012 07:01:30 Dil. Factor: 2500.0000
 Sample Type: MS
 Sample ID: 480-18001-B-9 MS
 Misc. Info.: 480-0010796-027 =480-0010796-027
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 22
 Lims Batch ID: 58561 Lims Sample ID: 27
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
 Last Update: 06-Apr-2012 23:15:30 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 07-Apr-2012 10:30:07

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	792322	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	417342	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	366138	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	143423	29.7	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	940270	30.1	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	251883	27.2	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.394					
13 Vinyl chloride	62	1.461	1.461	0.0	20	23212	2.76	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.856					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96	2.483	2.471	0.012	88	178023	22.9	
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.641					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.951					
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	680252	24.7	
34 trans-1,2-Dichloroethene	96	3.128	3.122	0.006	56	221903	27.9	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	389920	28.4	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	680145	75.6	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	95	1016467	29.4	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	74	321063	27.1	
62 Trichloroethene	95	5.062	5.056	0.006	93	358755	41.7	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92	6.017	6.017	0.0	88	639243	27.6	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	91	223693	25.9	
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112	7.106	7.106	0.0	91	677822	27.0	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1212851	27.6	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	940415	56.2	
91 o-Xylene	106	7.581	7.581	0.0	97	452983	27.9	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	522517	27.8	
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		84.1	

Report Date: 07-Apr-2012 10:30:08

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12762.D

Injection Date: 07-Apr-2012 07:01:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58561

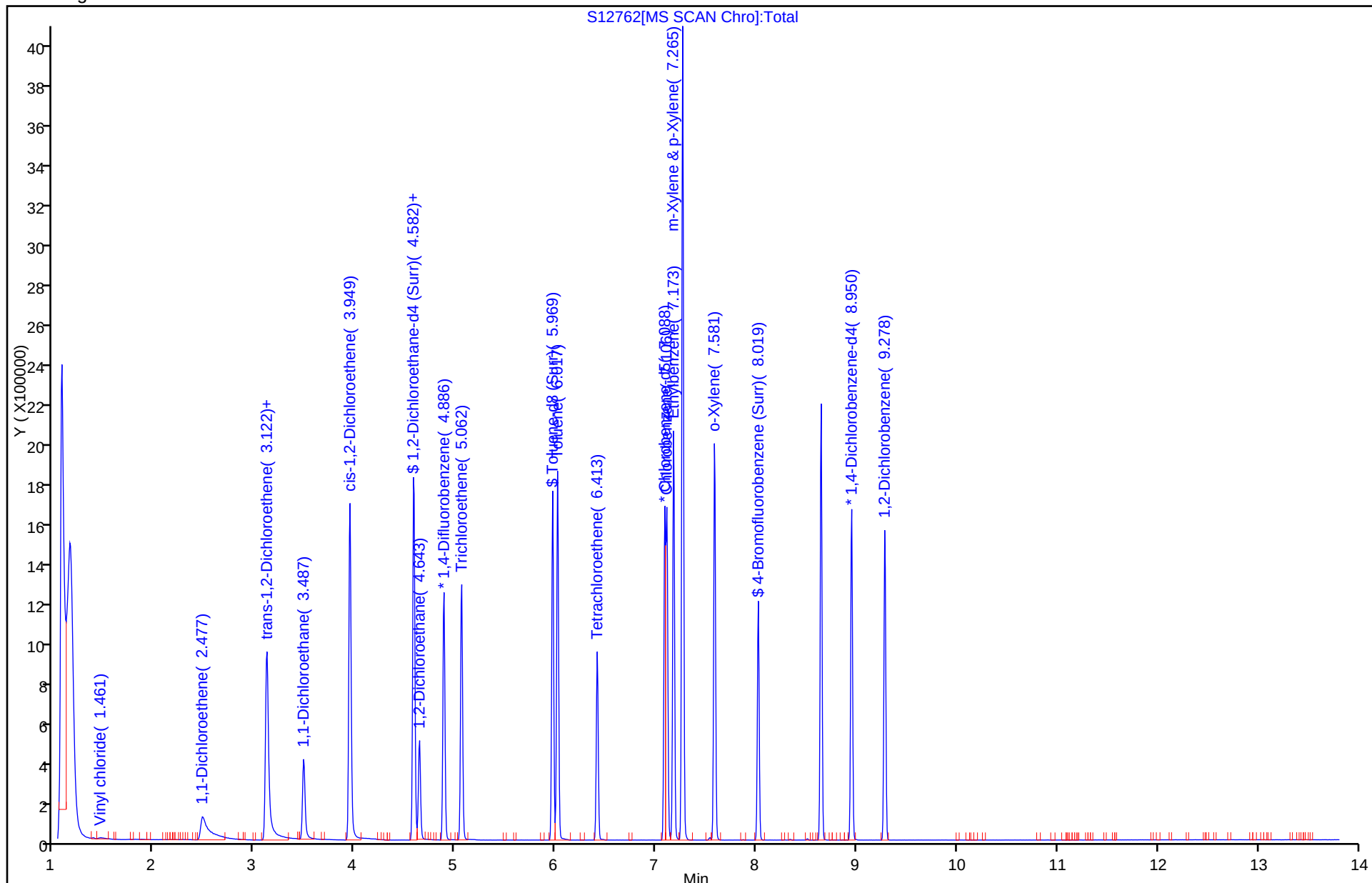
Lims Sample ID: 27

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-15S MS Lab Sample ID: 480-18001-16 MS

Matrix: Ground Water Lab File ID: S12732.D

Analysis Method: 8260B Date Collected: 04/03/2012 09:05

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 19:35

Soil Aliquot Vol: _____ Dilution Factor: 20

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
75-34-3	1,1-Dichloroethane	1520		20	7.6
75-35-4	1,1-Dichloroethene	460		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	542		20	16
107-06-2	1,2-Dichloroethane	516		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	544		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	2500		200	60
71-43-2	Benzene	570		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	528		20	15
75-00-3	Chloroethane	292		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	1720		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
124-48-1	Dibromochloromethane	ND		20	6.4
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	552		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-15S MS Lab Sample ID: 480-18001-16 MS
 Matrix: Ground Water Lab File ID: S12732.D
 Analysis Method: 8260B Date Collected: 04/03/2012 09:05
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 19:35
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	480		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	522		20	7.2
108-88-3	Toluene	704		20	10
156-60-5	trans-1,2-Dichloroethene	580		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	742		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	426		20	18
1330-20-7	Xylenes, Total	1710		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	110		73-120
2037-26-5	Toluene-d8 (Surr)	121		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12732.D
 Lims ID: 480-18001-B-16 MS Client ID:
 Inject. Date: 06-Apr-2012 19:35:30 Dil. Factor: 20.0000
 Sample Type: MS
 Sample ID: 480-18001-B-16 MS
 Misc. Info.: 480-0010775-026 =480-0010775-026
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 26
 Lims Batch ID: 58433 Lims Sample ID: 26
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 20:49:13 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 20:49:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	792536	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	415950	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	366824	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	143021	29.6	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	82	943101	30.3	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	254006	27.5	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.461	1.455	0.006	83	178744	21.3	
14 Bromomethane	94		1.735					
15 Chloroethane	64	1.814	1.850	-0.036	80	81084	14.6	
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96	2.471	2.471	0.0	88	179162	23.0	
23 Acetone	43	2.592	2.592	0.0	98	390499	124.9	
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	660101	24.0	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	50	230619	29.0	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	1045760	76.2	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	773955	86.0	
43 2-Butanone (MEK)	43	3.998	3.992	0.006	97	129019	27.2	
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	96	985121	28.5	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	74	305939	25.8	
62 Trichloroethene	95	5.062	5.056	0.006	93	319367	37.1	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.914	0.006	80	12287	1.29	
74 Toluene	92	6.018	6.017	0.001	88	813050	35.2	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	91	224427	26.1	
80 2-Hexanone	43	6.553	6.547	0.006	53	3809	0.5423	
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112	7.106	7.106	0.0	92	658782	26.4	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1208935	27.6	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	949191	56.9	
91 o-Xylene	106	7.581	7.581	0.0	97	459754	28.4	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	510316	27.1	
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		85.3	

Report Date: 06-Apr-2012 20:49:13

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12732.D

Injection Date: 06-Apr-2012 19:35:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58433

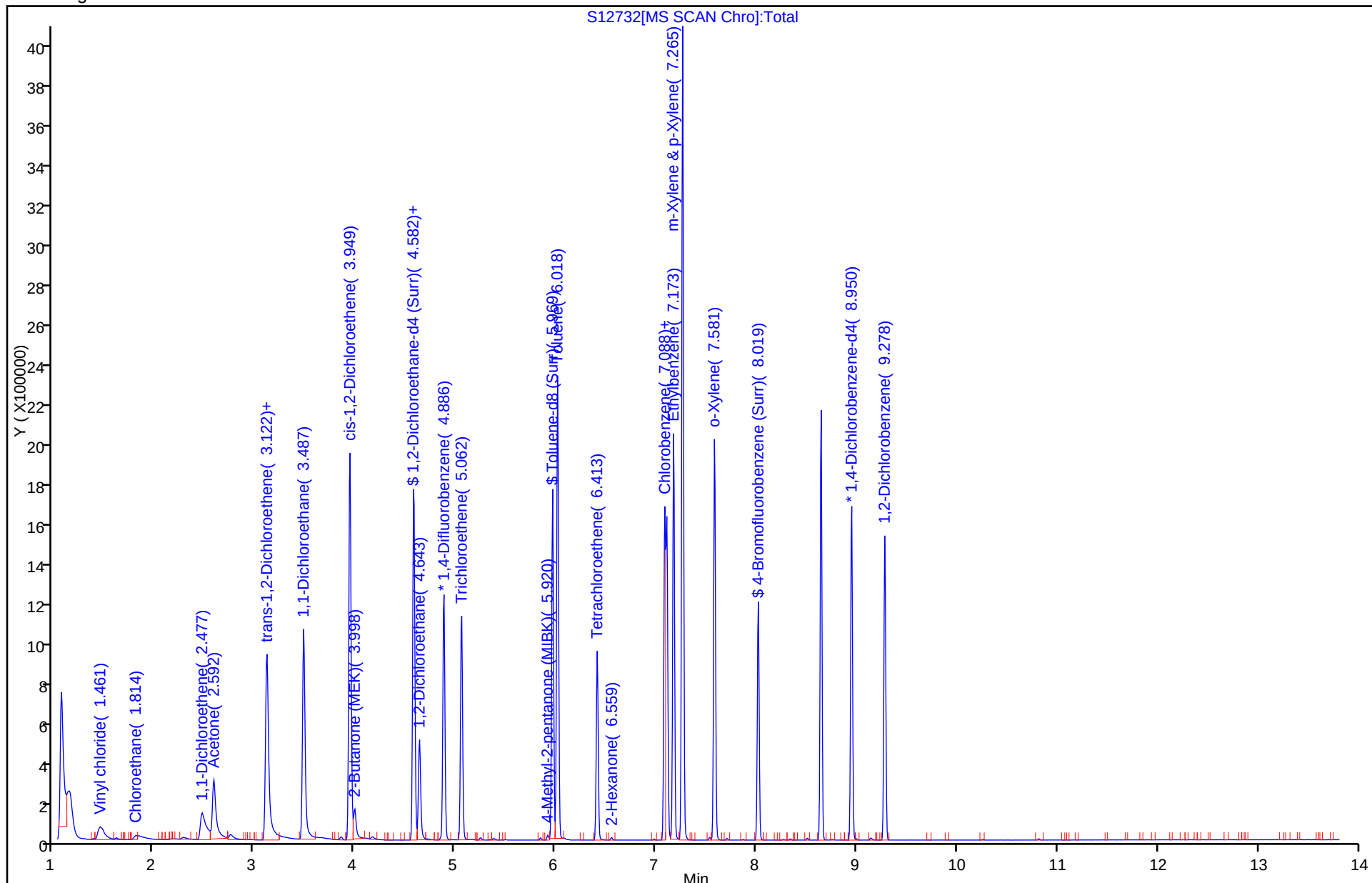
Lims Sample ID: 26

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-8R MSD Lab Sample ID: 480-18001-4 MSD

Matrix: Ground Water Lab File ID: S12665.D

Analysis Method: 8260B Date Collected: 04/03/2012 12:15

Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 08:09

Soil Aliquot Vol: _____ Dilution Factor: 2000

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2000	1600
79-34-5	1,1,2,2-Tetrachloroethane	ND		2000	420
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620
79-00-5	1,1,2-Trichloroethane	ND		2000	460
75-34-3	1,1-Dichloroethane	55600		2000	760
75-35-4	1,1-Dichloroethene	48800		2000	580
120-82-1	1,2,4-Trichlorobenzene	ND		2000	820
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2000	780
106-93-4	1,2-Dibromoethane	ND		2000	1500
95-50-1	1,2-Dichlorobenzene	54800		2000	1600
107-06-2	1,2-Dichloroethane	53600		2000	420
78-87-5	1,2-Dichloropropane	ND		2000	1400
541-73-1	1,3-Dichlorobenzene	ND		2000	1600
106-46-7	1,4-Dichlorobenzene	ND		2000	1700
78-93-3	2-Butanone (MEK)	ND		20000	2600
591-78-6	2-Hexanone	ND		10000	2500
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		10000	4200
67-64-1	Acetone	ND		20000	6000
71-43-2	Benzene	59400		2000	820
75-27-4	Bromodichloromethane	ND		2000	780
75-25-2	Bromoform	ND		2000	520
74-83-9	Bromomethane	ND		2000	1400
75-15-0	Carbon disulfide	ND		2000	380
56-23-5	Carbon tetrachloride	ND		2000	540
108-90-7	Chlorobenzene	53800		2000	1500
75-00-3	Chloroethane	ND		2000	640
67-66-3	Chloroform	ND		2000	680
74-87-3	Chloromethane	ND		2000	700
156-59-2	cis-1,2-Dichloroethene	110000		2000	1600
10061-01-5	cis-1,3-Dichloropropene	ND		2000	720
110-82-7	Cyclohexane	ND		2000	360
124-48-1	Dibromochloromethane	ND		2000	640
75-71-8	Dichlorodifluoromethane	ND		2000	1400
100-41-4	Ethylbenzene	56000		2000	1500
98-82-8	Isopropylbenzene	ND		2000	1600

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-8R MSD Lab Sample ID: 480-18001-4 MSD
 Matrix: Ground Water Lab File ID: S12665.D
 Analysis Method: 8260B Date Collected: 04/03/2012 12:15
 Sample wt/vol: 5(mL) Date Analyzed: 04/05/2012 08:09
 Soil Aliquot Vol: _____ Dilution Factor: 2000
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58178 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2000	1000
1634-04-4	Methyl tert-butyl ether	52000		2000	320
108-87-2	Methylcyclohexane	ND		2000	320
75-09-2	Methylene Chloride	ND		2000	880
100-42-5	Styrene	ND		2000	1500
127-18-4	Tetrachloroethene	53800		2000	720
108-88-3	Toluene	56000		2000	1000
156-60-5	trans-1,2-Dichloroethene	62200		2000	1800
10061-02-6	trans-1,3-Dichloropropene	ND		2000	740
79-01-6	Trichloroethene	152000		2000	920
75-69-4	Trichlorofluoromethane	ND		2000	1800
75-01-4	Vinyl chloride	2540		2000	1800
1330-20-7	Xylenes, Total	169000		4000	1300

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12665.D
 Lims ID: 480-18001-A-4 MSD Client ID:
 Inject. Date: 05-Apr-2012 08:09:30 Dil. Factor: 2000.0000
 Sample Type: MSD
 Sample ID: 480-18001-A-4 MSD
 Misc. Info.: 480-0010730-028 =480-0010730-028
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 55
 Lims Batch ID: 58178 Lims Sample ID: 28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S-8260.m
 Last Update: 05-Apr-2012 00:10:14 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 05-Apr-2012 10:21:47

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	830095	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	85	434067	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	384909	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.588	4.582	0.006	51	151542	29.9	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	985645	30.4	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	267588	27.7	
10 Dichlorodifluoromethane	85		1.211					
12 Chloromethane	50		1.388					
13 Vinyl chloride	62	1.461	1.455	0.006	25	11216	1.27	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.850					
17 Trichlorofluoromethane	101		1.990					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96	2.477	2.471	0.006	89	199270	24.4	
23 Acetone	43		2.586					
26 Carbon disulfide	76		2.647					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.970					
34 trans-1,2-Dichloroethene	96	3.128	3.116	0.012	54	259011	31.1	
32 Methyl tert-butyl ether	73	3.122	3.116	0.006	88	749187	26.0	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	399430	27.8	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	516509	54.8	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.588	4.582	0.006	96	1074490	29.7	
58 1,2-Dichloroethane	62	4.643	4.637	0.007	74	333317	26.8	
62 Trichloroethene	95	5.062	5.056	0.006	93	685170	75.9	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92	6.017	6.017	0.0	88	674033	28.0	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	90	241823	26.9	
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.675					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112	7.106	7.106	0.0	91	702166	26.9	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1279586	28.0	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	984743	56.6	
91 o-Xylene	106	7.581	7.581	0.0	97	471698	27.9	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	540968	27.4	
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		84.5	

Report Date: 05-Apr-2012 10:21:47

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120404-10730.b\S12665.D

Injection Date: 05-Apr-2012 08:09:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58178

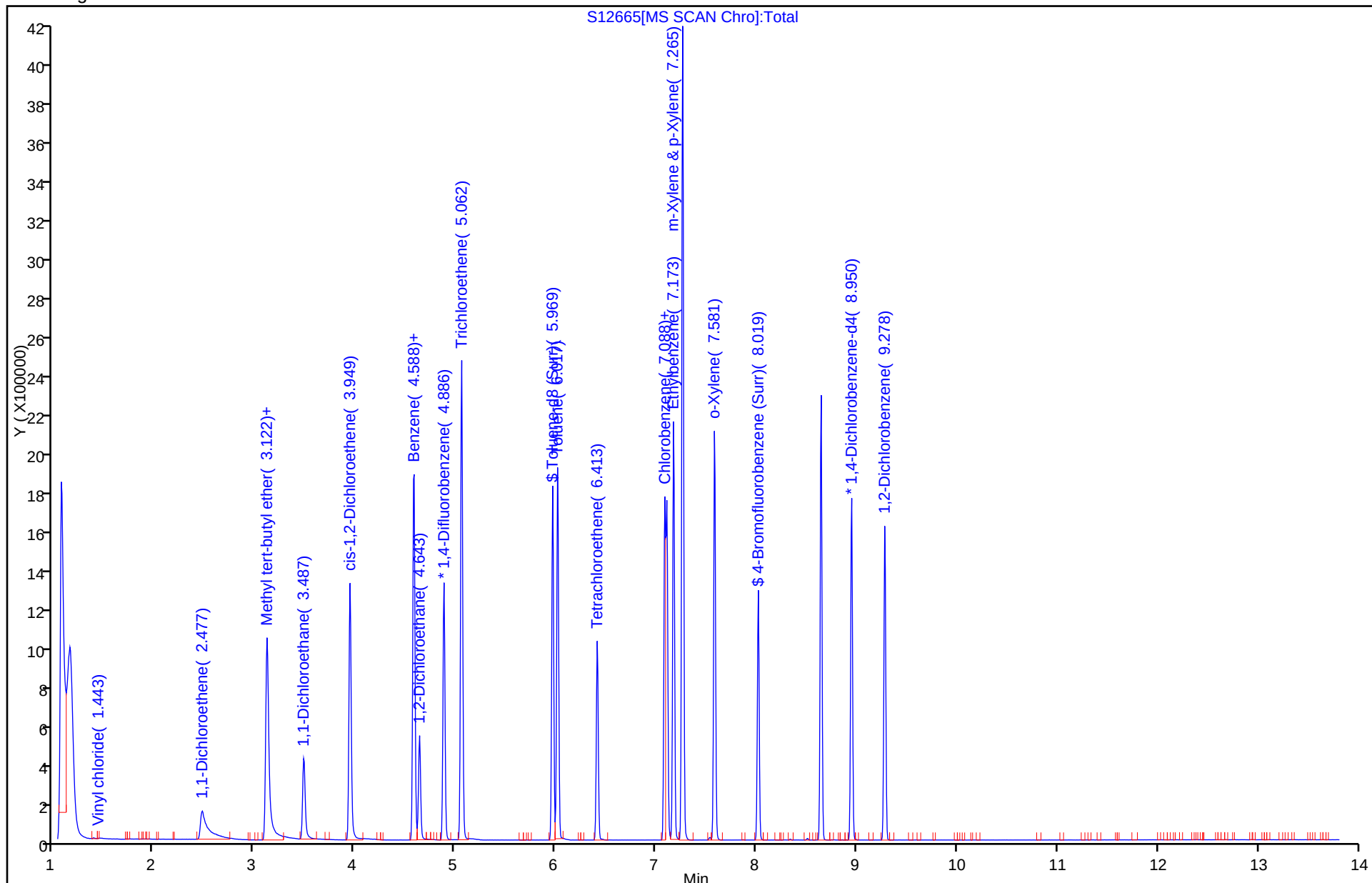
Lims Sample ID: 28

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: Duplicate MSD Lab Sample ID: 480-18001-9 MSD

Matrix: Water Lab File ID: S12763.D

Analysis Method: 8260B Date Collected: 04/03/2012 08:00

Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 07:22

Soil Aliquot Vol: _____ Dilution Factor: 2500

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		2500	2100
79-34-5	1,1,2,2-Tetrachloroethane	ND		2500	530
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500	780
79-00-5	1,1,2-Trichloroethane	ND		2500	580
75-34-3	1,1-Dichloroethane	69300		2500	950
75-35-4	1,1-Dichloroethene	56000		2500	730
120-82-1	1,2,4-Trichlorobenzene	ND		2500	1000
96-12-8	1,2-Dibromo-3-Chloropropane	ND		2500	980
106-93-4	1,2-Dibromoethane	ND		2500	1800
95-50-1	1,2-Dichlorobenzene	68300		2500	2000
107-06-2	1,2-Dichloroethane	67000		2500	530
78-87-5	1,2-Dichloropropane	ND		2500	1800
541-73-1	1,3-Dichlorobenzene	ND		2500	2000
106-46-7	1,4-Dichlorobenzene	ND		2500	2100
78-93-3	2-Butanone (MEK)	ND		25000	3300
591-78-6	2-Hexanone	ND		13000	3100
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		13000	5300
67-64-1	Acetone	ND		25000	7500
71-43-2	Benzene	72000		2500	1000
75-27-4	Bromodichloromethane	ND		2500	980
75-25-2	Bromoform	ND		2500	650
74-83-9	Bromomethane	ND		2500	1700
75-15-0	Carbon disulfide	ND		2500	480
56-23-5	Carbon tetrachloride	ND		2500	680
108-90-7	Chlorobenzene	66300		2500	1900
75-00-3	Chloroethane	ND		2500	800
67-66-3	Chloroform	ND		2500	850
74-87-3	Chloromethane	ND		2500	880
156-59-2	cis-1,2-Dichloroethene	185000		2500	2000
10061-01-5	cis-1,3-Dichloropropene	ND		2500	900
110-82-7	Cyclohexane	ND		2500	450
124-48-1	Dibromochloromethane	ND		2500	800
75-71-8	Dichlorodifluoromethane	ND		2500	1700
100-41-4	Ethylbenzene	67300		2500	1900
98-82-8	Isopropylbenzene	ND		2500	2000

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: Duplicate MSD Lab Sample ID: 480-18001-9 MSD
 Matrix: Water Lab File ID: S12763.D
 Analysis Method: 8260B Date Collected: 04/03/2012 08:00
 Sample wt/vol: 5(mL) Date Analyzed: 04/07/2012 07:22
 Soil Aliquot Vol: _____ Dilution Factor: 2500
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58561 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		2500	1300
1634-04-4	Methyl tert-butyl ether	61500		2500	400
108-87-2	Methylcyclohexane	ND		2500	400
75-09-2	Methylene Chloride	ND		2500	1100
100-42-5	Styrene	ND		2500	1800
127-18-4	Tetrachloroethene	63000		2500	900
108-88-3	Toluene	67500		2500	1300
156-60-5	trans-1,2-Dichloroethene	66500		2500	2300
10061-02-6	trans-1,3-Dichloropropene	ND		2500	930
79-01-6	Trichloroethene	101000		2500	1200
75-69-4	Trichlorofluoromethane	ND		2500	2200
75-01-4	Vinyl chloride	7000		2500	2300
1330-20-7	Xylenes, Total	205000		5000	1700

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		66-137
460-00-4	4-Bromofluorobenzene (Surr)	107		73-120
2037-26-5	Toluene-d8 (Surr)	120		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12763.D
 Lims ID: 480-18001-B-9 MSD Client ID:
 Inject. Date: 07-Apr-2012 07:22:30 Dil. Factor: 2500.0000
 Sample Type: MSD
 Sample ID: 480-18001-B-9 MSD
 Misc. Info.: 480-0010796-028 =480-0010796-028
 Operator: RAL Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 23
 Lims Batch ID: 58561 Lims Sample ID: 28
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S-8260.m
 Last Update: 06-Apr-2012 23:15:30 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-19

First Level Reviewer: coderd

Date: 07-Apr-2012 10:30:19

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	790300	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.088	0.0	84	417241	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	366160	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	53	144559	30.0	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	83	932226	29.9	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	84	247338	26.7	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.394					
13 Vinyl chloride	62	1.473	1.461	0.012	42	23480	2.80	
14 Bromomethane	94		1.729					
15 Chloroethane	64		1.856					
17 Trichlorofluoromethane	101		1.984					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.446					
22 1,1-Dichloroethene	96	2.477	2.471	0.006	88	173895	22.4	
23 Acetone	43		2.592					
26 Carbon disulfide	76		2.641					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.951					
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	675690	24.6	
34 trans-1,2-Dichloroethene	96	3.128	3.122	0.006	56	210586	26.6	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	378233	27.7	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	67	663729	73.9	
43 2-Butanone (MEK)	43		3.992					
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	96	992635	28.8	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	74	316671	26.8	
62 Trichloroethene	95	5.062	5.056	0.006	93	346311	40.3	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43		5.914					
74 Toluene	92	6.017	6.017	0.0	88	624871	27.0	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	91	217901	25.2	
80 2-Hexanone	43		6.547					
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112	7.106	7.106	0.0	91	662902	26.5	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1179246	26.9	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	912728	54.6	
91 o-Xylene	106	7.581	7.581	0.0	97	439958	27.1	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	512955	27.3	
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		81.6	

Report Date: 07-Apr-2012 10:30:19

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10796.b\S12763.D

Injection Date: 07-Apr-2012 07:22:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58561

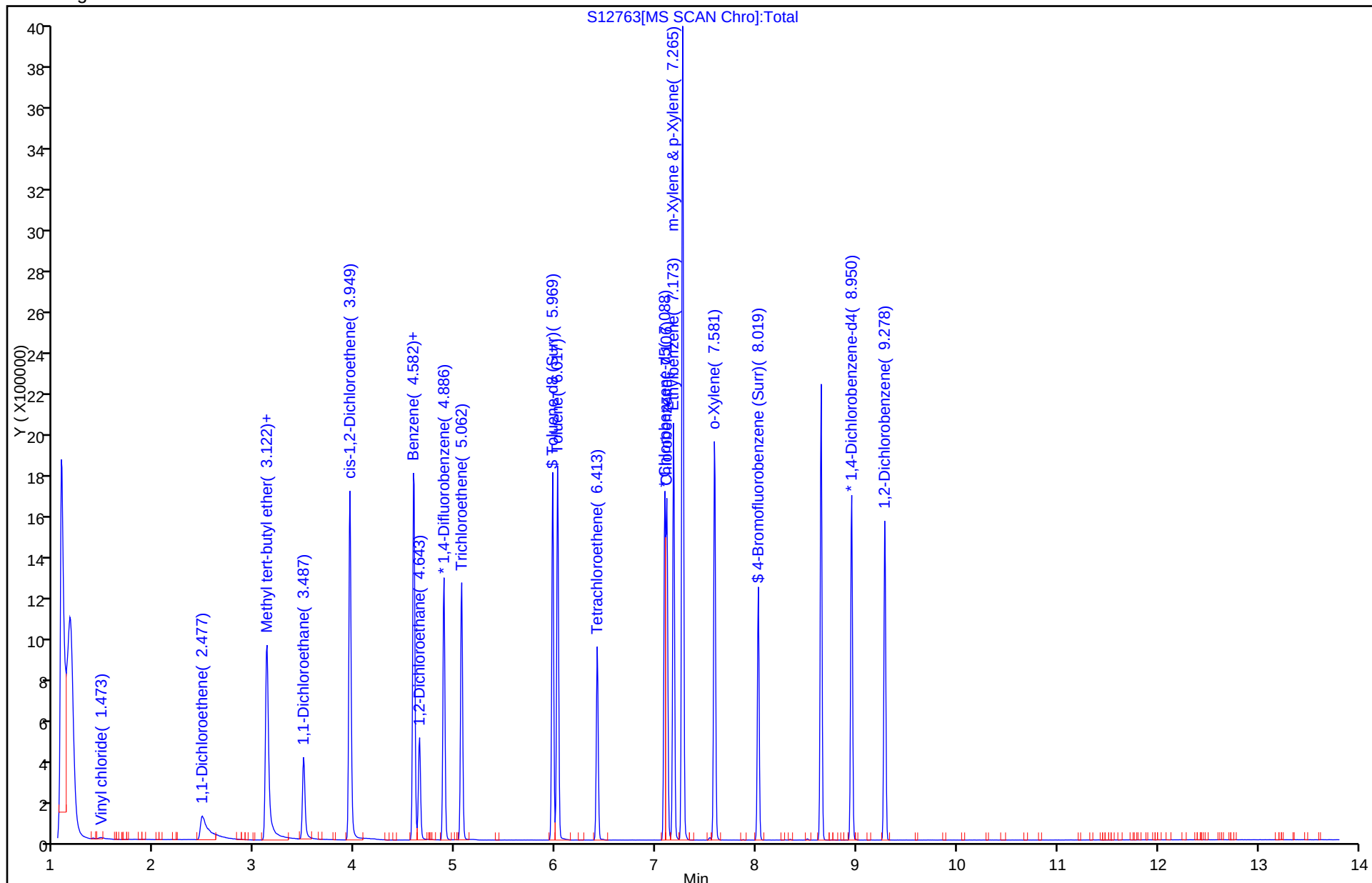
Lims Sample ID: 28

Operator ID: RAL

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Client Sample ID: MW-15S MSD Lab Sample ID: 480-18001-16 MSD

Matrix: Ground Water Lab File ID: S12733.D

Analysis Method: 8260B Date Collected: 04/03/2012 09:05

Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 19:56

Soil Aliquot Vol: _____ Dilution Factor: 20

Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25(mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		20	16
79-34-5	1,1,2,2-Tetrachloroethane	ND		20	4.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2
79-00-5	1,1,2-Trichloroethane	ND		20	4.6
75-34-3	1,1-Dichloroethane	1540		20	7.6
75-35-4	1,1-Dichloroethene	476		20	5.8
120-82-1	1,2,4-Trichlorobenzene	ND		20	8.2
96-12-8	1,2-Dibromo-3-Chloropropane	ND		20	7.8
106-93-4	1,2-Dibromoethane	ND		20	15
95-50-1	1,2-Dichlorobenzene	534		20	16
107-06-2	1,2-Dichloroethane	514		20	4.2
78-87-5	1,2-Dichloropropane	ND		20	14
541-73-1	1,3-Dichlorobenzene	ND		20	16
106-46-7	1,4-Dichlorobenzene	ND		20	17
78-93-3	2-Butanone (MEK)	544		200	26
591-78-6	2-Hexanone	ND		100	25
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		100	42
67-64-1	Acetone	2440		200	60
71-43-2	Benzene	576		20	8.2
75-27-4	Bromodichloromethane	ND		20	7.8
75-25-2	Bromoform	ND		20	5.2
74-83-9	Bromomethane	ND		20	14
75-15-0	Carbon disulfide	ND		20	3.8
56-23-5	Carbon tetrachloride	ND		20	5.4
108-90-7	Chlorobenzene	528		20	15
75-00-3	Chloroethane	292		20	6.4
67-66-3	Chloroform	ND		20	6.8
74-87-3	Chloromethane	ND		20	7.0
156-59-2	cis-1,2-Dichloroethene	1730		20	16
10061-01-5	cis-1,3-Dichloropropene	ND		20	7.2
110-82-7	Cyclohexane	ND		20	3.6
124-48-1	Dibromochloromethane	ND		20	6.4
75-71-8	Dichlorodifluoromethane	ND		20	14
100-41-4	Ethylbenzene	556		20	15
98-82-8	Isopropylbenzene	ND		20	16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1
 SDG No.: _____
 Client Sample ID: MW-15S MSD Lab Sample ID: 480-18001-16 MSD
 Matrix: Ground Water Lab File ID: S12733.D
 Analysis Method: 8260B Date Collected: 04/03/2012 09:05
 Sample wt/vol: 5(mL) Date Analyzed: 04/06/2012 19:56
 Soil Aliquot Vol: _____ Dilution Factor: 20
 Soil Extract Vol.: _____ GC Column: ZB-624 (60) ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 58433 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	ND		20	10
1634-04-4	Methyl tert-butyl ether	474		20	3.2
108-87-2	Methylcyclohexane	ND		20	3.2
75-09-2	Methylene Chloride	ND		20	8.8
100-42-5	Styrene	ND		20	15
127-18-4	Tetrachloroethene	526		20	7.2
108-88-3	Toluene	714		20	10
156-60-5	trans-1,2-Dichloroethene	562		20	18
10061-02-6	trans-1,3-Dichloropropene	ND		20	7.4
79-01-6	Trichloroethene	748		20	9.2
75-69-4	Trichlorofluoromethane	ND		20	18
75-01-4	Vinyl chloride	422		20	18
1330-20-7	Xylenes, Total	1700		40	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		66-137
460-00-4	4-Bromofluorobenzene (Surr)	111		73-120
2037-26-5	Toluene-d8 (Surr)	122		71-126

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12733.D
 Lims ID: 480-18001-B-16 MSD Client ID:
 Inject. Date: 06-Apr-2012 19:56:30 Dil. Factor: 20.0000
 Sample Type: MSD
 Sample ID: 480-18001-B-16 MSD
 Misc. Info.: 480-0010775-027 =480-0010775-027
 Operator: DHC Instrument ID: HP5973S
 Vol. Injected: 1.0000 ALS Bottle#: 27
 Lims Batch ID: 58433 Lims Sample ID: 27
 Detector: MS SCAN
 Method: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S-8260.m
 Last Update: 06-Apr-2012 20:49:13 Calib Date: 21-Mar-2012 01:54:30
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\Bufchrom\ChromData\HP5973S\20120320-10350.b\S12033.D
 Limit Group: MV - 8260B ICAL
 Integrator: RTE ID Type: RT Order ID
 Process Host: CORP-CTX-16

First Level Reviewer: larsonr

Date: 06-Apr-2012 20:50:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 1,4-Difluorobenzene	114	4.886	4.886	0.0	91	805892	25.0	
* 2 Chlorobenzene-d5	82	7.088	7.082	0.006	84	421648	25.0	
* 3 1,4-Dichlorobenzene-d4	152	8.950	8.950	0.0	95	374508	25.0	
\$ 4 1,2-Dichloroethane-d4 (Surr)	67	4.582	4.582	0.0	52	145695	29.6	
\$ 5 Toluene-d8 (Surr)	98	5.969	5.969	0.0	82	962868	30.5	
\$ 6 4-Bromofluorobenzene (Surr)	174	8.019	8.019	0.0	85	260541	27.8	
10 Dichlorodifluoromethane	85		1.218					
12 Chloromethane	50		1.400					
13 Vinyl chloride	62	1.467	1.455	0.012	79	180488	21.1	
14 Bromomethane	94		1.735					
15 Chloroethane	64	1.832	1.850	-0.018	77	82624	14.6	
17 Trichlorofluoromethane	101		1.996					
21 1,1,2-Trichloro-1,2,2-trifluoroe	101		2.440					
22 1,1-Dichloroethene	96	2.477	2.471	0.006	88	188415	23.8	
23 Acetone	43	2.592	2.592	0.0	99	387388	121.9	
26 Carbon disulfide	76		2.653					
27 Methyl acetate	43		2.848					
30 Methylene Chloride	84		2.963					
32 Methyl tert-butyl ether	73	3.116	3.116	0.0	88	663342	23.7	
34 trans-1,2-Dichloroethene	96	3.122	3.122	0.0	50	227156	28.1	
39 1,1-Dichloroethane	63	3.487	3.481	0.006	85	1071837	76.8	
45 cis-1,2-Dichloroethene	96	3.949	3.943	0.006	66	792500	86.6	
43 2-Butanone (MEK)	43	3.998	3.992	0.006	99	131022	27.2	
50 Chloroform	83		4.205					
52 Cyclohexane	56		4.290					
51 1,1,1-Trichloroethane	97		4.296					
55 Carbon tetrachloride	117		4.399					
57 Benzene	78	4.582	4.582	0.0	96	1012312	28.8	
58 1,2-Dichloroethane	62	4.643	4.636	0.007	74	309575	25.7	
62 Trichloroethene	95	5.062	5.056	0.006	93	327234	37.4	
64 Methylcyclohexane	83		5.154					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
65 1,2-Dichloropropane	63		5.257					
68 Dichlorobromomethane	83		5.476					
72 cis-1,3-Dichloropropene	75		5.798					
73 4-Methyl-2-pentanone (MIBK)	43	5.920	5.914	0.006	82	13141	1.36	
74 Toluene	92	6.017	6.017	0.0	88	834844	35.7	
77 trans-1,3-Dichloropropene	75		6.230					
79 1,1,2-Trichloroethane	83		6.376					
81 Tetrachloroethene	166	6.413	6.413	0.0	92	229554	26.3	
80 2-Hexanone	43	6.553	6.547	0.006	67	3988	0.5601	
83 Chlorodibromomethane	129		6.674					
84 Ethylene Dibromide	107		6.754					
87 Chlorobenzene	112	7.106	7.106	0.0	92	669447	26.4	
88 Ethylbenzene	91	7.173	7.173	0.0	98	1232283	27.8	
90 m-Xylene & p-Xylene	106	7.265	7.265	0.0	98	960280	56.8	
91 o-Xylene	106	7.581	7.581	0.0	97	461734	28.1	
92 Styrene	104		7.605					
95 Bromoform	173		7.794					
94 Isopropylbenzene	105		7.867					
97 1,1,2,2-Tetrachloroethane	83		8.171					
111 1,3-Dichlorobenzene	146		8.895					
113 1,4-Dichlorobenzene	146		8.968					
116 1,2-Dichlorobenzene	146	9.278	9.278	0.0	95	513570	26.7	
117 1,2-Dibromo-3-Chloropropane	75		9.954					
119 1,2,4-Trichlorobenzene	180		10.598					
S 124 Xylenes, Total	1				0		84.9	

Report Date: 06-Apr-2012 20:50:27

Chrom Revision: 2.0 20-Feb-2012 13:27:02

Data File: \\Bufchrom\ChromData\HP5973S\20120406-10775.b\S12733.D

Injection Date: 06-Apr-2012 19:56:30

Limit Group: MV - 8260B ICAL

Client ID:

Instrument ID: HP5973S

Lims Batch ID: 58433

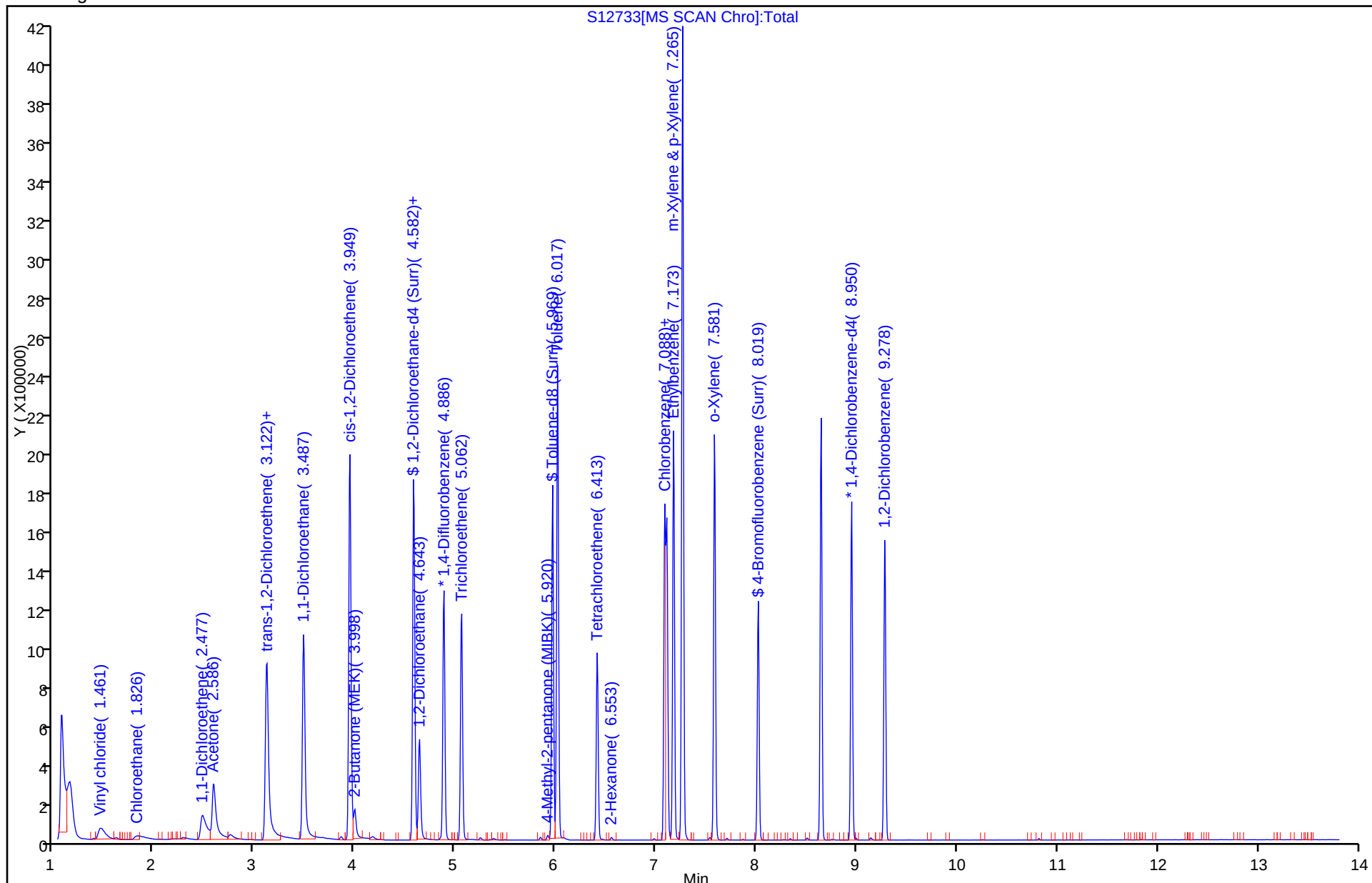
Lims Sample ID: 27

Operator ID: DHC

Column Type: ZB-624

Column Dia: 0.25 mm

Y Scaling:



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Buffalo Job No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973S Start Date: 03/20/2012 23:20Analysis Batch Number: 56067 End Date: 03/21/2012 02:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-56067/1		03/20/2012 23:20	1	S12026.D	ZB-624 (60) 0.25 (mm)
STD 480-56067/3 IC		03/21/2012 00:06	1	S12028.D	ZB-624 (60) 0.25 (mm)
STD 480-56067/4 IC		03/21/2012 00:28	1	S12029.D	ZB-624 (60) 0.25 (mm)
STD 480-56067/5 IC		03/21/2012 00:49	1	S12030.D	ZB-624 (60) 0.25 (mm)
STD 480-56067/6 ICIS		03/21/2012 01:11	1	S12031.D	ZB-624 (60) 0.25 (mm)
STD 480-56067/7 IC		03/21/2012 01:33	1	S12032.D	ZB-624 (60) 0.25 (mm)
STD 480-56067/8 IC		03/21/2012 01:54	1	S12033.D	ZB-624 (60) 0.25 (mm)
ICV 480-56067/17		03/21/2012 02:37	1		ZB-624 (60) 0.25 (mm)
MDLV 480-56067/18		03/21/2012 02:59	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 04/04/2012 22:08Analysis Batch Number: 58178End Date: 04/05/2012 08:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58178/1		04/04/2012 22:08	1	S12638.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-58178/2		04/04/2012 22:31	1	S12639.D	ZB-624 (60) 0.25 (mm)
CCV 480-58178/3		04/04/2012 23:02	1		ZB-624 (60) 0.25 (mm)
LCS 480-58178/4		04/04/2012 23:24	1	S12641.D	ZB-624 (60) 0.25 (mm)
MB 480-58178/5		04/04/2012 23:45	1	S12642.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 00:17	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 00:39	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 01:00	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 01:22	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 01:44	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 02:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 02:26	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 02:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 03:09	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 03:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 03:53	1		ZB-624 (60) 0.25 (mm)
480-18001-1	MW-2	04/05/2012 04:14	1	S12654.D	ZB-624 (60) 0.25 (mm)
480-18001-2	MW-3	04/05/2012 04:36	1	S12655.D	ZB-624 (60) 0.25 (mm)
480-18001-3	MW-6	04/05/2012 04:57	1	S12656.D	ZB-624 (60) 0.25 (mm)
480-18001-4	MW-8R	04/05/2012 05:18	2000	S12657.D	ZB-624 (60) 0.25 (mm)
480-18001-5	MW-10	04/05/2012 05:40	1	S12658.D	ZB-624 (60) 0.25 (mm)
480-18001-6	MW-11	04/05/2012 06:01	1	S12659.D	ZB-624 (60) 0.25 (mm)
480-18001-7	MW-12	04/05/2012 06:22	1	S12660.D	ZB-624 (60) 0.25 (mm)
480-18001-8	MW-13S	04/05/2012 06:43	1	S12661.D	ZB-624 (60) 0.25 (mm)
480-18001-4 MS	MW-8R MS	04/05/2012 07:47	2000	S12664.D	ZB-624 (60) 0.25 (mm)
480-18001-4 MSD	MW-8R MSD	04/05/2012 08:09	2000	S12665.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 04/05/2012 09:57Analysis Batch Number: 58271End Date: 04/06/2012 01:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58271/1		04/05/2012 09:57	1	S12666.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-58271/2		04/05/2012 10:22	1	S12667.D	ZB-624 (60) 0.25 (mm)
CCV 480-58271/3		04/05/2012 11:33	1		ZB-624 (60) 0.25 (mm)
LCS 480-58271/4		04/05/2012 11:55	1	S12669.D	ZB-624 (60) 0.25 (mm)
MB 480-58271/5		04/05/2012 12:16	1	S12670.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 12:56	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 13:18	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 13:39	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 14:00	10		ZB-624 (60) 0.25 (mm)
480-18001-9	Duplicate	04/05/2012 14:44	1	S12676.D	ZB-624 (60) 0.25 (mm)
480-18001-11	MW-4	04/05/2012 15:26	200	S12678.D	ZB-624 (60) 0.25 (mm)
480-18001-13	MW-13D	04/05/2012 16:10	1	S12680.D	ZB-624 (60) 0.25 (mm)
480-18001-14	MW-14S	04/05/2012 16:31	1	S12681.D	ZB-624 (60) 0.25 (mm)
480-18001-15	MW-14D	04/05/2012 16:53	1	S12682.D	ZB-624 (60) 0.25 (mm)
480-18001-16	MW-15S	04/05/2012 17:14	1	S12683.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 17:36	1		ZB-624 (60) 0.25 (mm)
480-18001-18	MW-16S	04/05/2012 17:57	400	S12685.D	ZB-624 (60) 0.25 (mm)
480-18001-19	MW-16D	04/05/2012 18:19	1	S12686.D	ZB-624 (60) 0.25 (mm)
480-18001-20	Trip Blank	04/05/2012 18:40	1	S12687.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 19:02	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 19:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 19:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 20:06	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 20:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 20:49	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 21:11	5		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 21:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 21:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 22:15	20		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 22:37	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 22:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 23:20	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/05/2012 23:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 00:02	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 00:23	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 00:45	10		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 01:07	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 01:28	1		ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 04/06/2012 08:46Analysis Batch Number: 58433End Date: 04/06/2012 19:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58433/1		04/06/2012 08:46	1	S12707.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-58433/2		04/06/2012 10:29	1	S12708.D	ZB-624 (60) 0.25 (mm)
CCV 480-58433/3		04/06/2012 11:03	1		ZB-624 (60) 0.25 (mm)
LCS 480-58433/4		04/06/2012 11:25	1	S12710.D	ZB-624 (60) 0.25 (mm)
MB 480-58433/5		04/06/2012 11:47	1	S12711.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 12:22	100		ZB-624 (60) 0.25 (mm)
480-18001-8 DL	MW-13S DL	04/06/2012 12:44	500	S12713.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 13:05	800		ZB-624 (60) 0.25 (mm)
480-18001-10	Rinse Blank	04/06/2012 13:27	1	S12715.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 13:48	20000		ZB-624 (60) 0.25 (mm)
480-18001-12	MW-9	04/06/2012 14:10	1	S12717.D	ZB-624 (60) 0.25 (mm)
480-18001-16 DL	MW-15S DL	04/06/2012 14:31	20	S12718.D	ZB-624 (60) 0.25 (mm)
480-18001-17	MW-15D	04/06/2012 14:53	10	S12719.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 15:14	50000		ZB-624 (60) 0.25 (mm)
480-18001-19 DL	MW-16D DL	04/06/2012 15:36	2	S12721.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 15:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 16:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 16:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 17:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 17:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 17:46	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 18:08	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 18:29	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 18:51	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/06/2012 19:13	1		ZB-624 (60) 0.25 (mm)
480-18001-16 MS	MW-15S MS	04/06/2012 19:35	20	S12732.D	ZB-624 (60) 0.25 (mm)
480-18001-16 MSD	MW-15S MSD	04/06/2012 19:56	20	S12733.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 04/06/2012 20:30Analysis Batch Number: 58561End Date: 04/07/2012 07:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58561/1		04/06/2012 20:30	1	S12735.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-58561/2		04/06/2012 21:37	1	S12737.D	ZB-624 (60) 0.25 (mm)
CCV 480-58561/3		04/06/2012 22:08	1		ZB-624 (60) 0.25 (mm)
LCS 480-58561/4		04/06/2012 22:29	1	S12739.D	ZB-624 (60) 0.25 (mm)
MB 480-58561/5		04/06/2012 22:51	1	S12740.D	ZB-624 (60) 0.25 (mm)
480-18001-9 DL	Duplicate DL	04/06/2012 23:29	2500	S12741.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 00:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 01:16	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 01:38	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 01:59	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 02:21	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 02:43	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 03:05	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 03:26	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 03:48	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 04:10	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 04:31	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 04:53	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 05:14	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 05:35	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 05:57	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 06:19	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 06:40	1		ZB-624 (60) 0.25 (mm)
480-18001-9 MS	Duplicate MS	04/07/2012 07:01	2500	S12762.D	ZB-624 (60) 0.25 (mm)
480-18001-9 MSD	Duplicate MSD	04/07/2012 07:22	2500	S12763.D	ZB-624 (60) 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BuffaloJob No.: 480-18001-1

SDG No.: _____

Instrument ID: HP5973SStart Date: 04/07/2012 10:01Analysis Batch Number: 58591End Date: 04/07/2012 22:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 480-58591/1		04/07/2012 10:01	1	S12764.D	ZB-624 (60) 0.25 (mm)
CCVIS 480-58591/2		04/07/2012 12:04	1	S12765.D	ZB-624 (60) 0.25 (mm)
CCV 480-58591/3		04/07/2012 12:45	1		ZB-624 (60) 0.25 (mm)
LCS 480-58591/4		04/07/2012 13:06	1	S12767.D	ZB-624 (60) 0.25 (mm)
MB 480-58591/5		04/07/2012 13:28	1	S12768.D	ZB-624 (60) 0.25 (mm)
480-18001-11 DL	MW-4 DL	04/07/2012 14:01	2000	S12769.D	ZB-624 (60) 0.25 (mm)
480-18001-18 DL	MW-16S DL	04/07/2012 14:23	4000	S12770.D	ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 14:45	2		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 15:07	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 15:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 15:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 16:11	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 16:32	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 16:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 17:15	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 17:36	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 17:58	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 18:20	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 18:41	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 19:03	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 19:24	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 19:45	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 20:07	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 20:28	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 20:50	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 21:11	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 21:33	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 21:54	1		ZB-624 (60) 0.25 (mm)
ZZZZZ		04/07/2012 22:16	1		ZB-624 (60) 0.25 (mm)

Shipping and Receiving Documents

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AECOM, Inc. Address: 100 Corporate Parkway Suite 341 City: Amherst State, Zip: NY, 14226 Phone: 716-836-4506 Email: dino.zack@aecom.com Project Name: Scott Aviation site Site: New York		Sampler: Emily Lgity Lab PM: Fischer, Brian Phone: 716-836-4506 E-Mail: brian.fischer@testamericainc.com		Carrier Tracking No(s): COC No: 480-22851-3450.1 Page: Page 1 of 2 Job #:	
Due Date Requested: TAT Requested (days): per contract PO #: Purchase Order not required WO #: Project #: 48002539 SOW#:		Analysis Requested			
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=other, B=biological, T=tissue, A=air) Preservation Code:		Field Filtered Sample (Yes or No) Matrix (W=water, S=solid, O=other, B=biological, T=tissue, A=air) Preservation Code:			
MW-2 MW-3 MW-6 MW-8R MW-10 MW-11 MW-12 MW-13S Duplicate Rinse MW-4		4-2-13 9:30 4-2-12 11:20 4-2-12 13:40 4-3-13 12:15 4-2-12 14:15 4-2-12 10:25 4-2-12 12:55 4-3-12 10:10 4-3-12 8:00 4-2-12 16:45 4-3-12 11:30		G G G G G G G G G G G	
Water Water Water Water Water Water Water Water Water Water Water		A N N N N N N N N N N N			
Special Instructions/Note:		Total Number of containers			
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - ph 4-5 Z - other (specify)			
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify)					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For Months					
Empty Kit Relinquished by: [Signature] Date: 4-3-12 15:15 Company: AECOM Relinquished by: [Signature] Date: 4-3-12 15:15 Company: AECOM Relinquished by: [Signature] Date: 4-3-12 15:15 Company: AECOM Relinquished by: [Signature] Date: 4-3-12 15:15 Company: AECOM Custody Seals Intact: Δ Yes Δ No Custody Seal No.: 510 #2					

Chain of Custody Record

Client Information Client Contact: Mr. Dino Zack Company: AECCOM, Inc. Address: 100 Corporate Parkway Suite 341 City: Amherst State, Zip: NY, 14226 Phone: _____ Email: dino.zack@aeccom.com Project Name: Scott Aviation site Site: New York		Lab PM: Fischer, Brian Phone: 716-836-4506 E-Mail: brian.fischer@testamericainc.com Job #: _____		Carrier Tracking No(s): 480-22851-3450.2 Page: 2 of 2 Page 2 of 2	
Analysis Requested					
Due Date Requested: _____ TAT Requested (days): <u>10</u>		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 R - Na2S2O3 F - MeOH S - H2SO4 G - Amchlor T - TSP Dodecahydrate H - Ascorbic Acid U - Acetone I - Ice V - MCAA J - DI Water W - ph 4-5 K - EDTA L - EDA Z - other (specify) _____ Other: _____			
PO #: _____ Purchase Order not requir WO #: _____		Total Number of containers: _____			
Project #: 48002539 SSON#: _____		Special Instructions/Note: _____			
Sample Identification		Special Instructions/Note: _____			
Sample ID MW-9 MW-13D MW-14S MW-14D MW-15S MW-15D MW-16S MW-16D TRIP BLANK	Sample Date 4-2-12 4-3-12 4-2-12 4-2-12 4-3-12 4-2-12 4-3-12 4-2-12	Sample Time 12:15 10:40 15:00 15:40 9:05 16:25 13:10 13:55 -	Sample Type G G G G G G G -	Matrix Water Water Water Water Water Water Water Water	Field Filtered Sample (Yes or No) N N N N N N N N N
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Deliverable Requested: I, II, III, IV, Other (specify) _____		Special Instructions/QC Requirements: _____			
Empty Kit Relinquished by: _____ Relinquished by: _____ Relinquished by: _____ Relinquished by: _____		Method of Shipment: _____ Date: _____ Date: _____ Date: _____ Date: _____			
Custody Seal No.: _____ Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: _____			

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-18001-1

Login Number: 18001

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

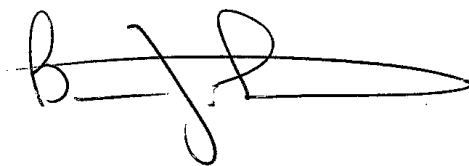
Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Job Number: 480-18060-1

Job Description: Scott Aviation site

For:
AECOM, Inc.
100 Corporate Parkway
Suite 341
Amherst, NY 14226
Attention: Mr. Dino Zack



Approved for release.
Brian Fischer
Project Manager II
4/19/2012 12:21 PM

Brian Fischer
Project Manager II
brian.fischer@testamericainc.com
04/19/2012

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

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Job Narrative
480-18060-1

Receipt

The samples were received on 4/4/2012 2:39 PM; the samples arrived in good condition, properly perserved and on ice.

Air Toxics

No analytical or quality issues were noted.

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 36047Lab Sample ID: IC 200-36047/3 Client Sample ID: _____Date Analyzed: 03/30/12 16:32 Lab File ID: ckr003.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	5.76	Peak not found by the data system	pd	04/02/12 09:31

Lab Sample ID: IC 200-36047/4 Client Sample ID: _____Date Analyzed: 03/30/12 17:22 Lab File ID: ckr004.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.64	Baseline event	klp	04/02/12 12:15
Acetonitrile	8.70	Baseline event	klp	04/02/12 12:14

Lab Sample ID: IC 200-36047/5 Client Sample ID: _____Date Analyzed: 03/30/12 18:12 Lab File ID: ckr005.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.65	Baseline event	klp	04/02/12 12:12
Acetonitrile	8.70	Baseline event	klp	04/02/12 12:12

Lab Sample ID: IC 200-36047/6 Client Sample ID: _____Date Analyzed: 03/30/12 19:02 Lab File ID: ckr006.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.65	Baseline event	klp	04/02/12 12:17
Acetonitrile	8.69	Baseline event	klp	04/02/12 12:17
n-Butanol	12.53	Baseline event	klp	04/02/12 12:17

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 36047Lab Sample ID: ICIS 200-36047/7 Client Sample ID: _____Date Analyzed: 03/30/12 19:52 Lab File ID: ckr007.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.65	Baseline event	klp	04/02/12 12:38
Acetonitrile	8.68	Baseline event	klp	04/02/12 12:40

Lab Sample ID: IC 200-36047/8 Client Sample ID: _____Date Analyzed: 03/30/12 20:41 Lab File ID: ckr008.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.66	Baseline event	klp	04/02/12 12:45
Acetonitrile	8.69	Baseline event	klp	04/02/12 12:45

Lab Sample ID: IC 200-36047/9 Client Sample ID: _____Date Analyzed: 03/30/12 21:30 Lab File ID: ckr009.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.65	Baseline event	klp	04/02/12 12:49
Acetonitrile	8.68	Baseline event	klp	04/02/12 12:49

Lab Sample ID: IC 200-36047/10 Client Sample ID: _____Date Analyzed: 03/30/12 22:20 Lab File ID: ckr010.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.66	Baseline event	klp	04/02/12 12:52
Acetonitrile	8.68	Baseline event	klp	04/02/12 12:53

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 36047Lab Sample ID: ICV 200-36047/13 Client Sample ID: _____Date Analyzed: 03/31/12 00:49 Lab File ID: ckr013.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.66	Baseline event	klp	04/02/12 13:04
Acetonitrile	8.69	Baseline event	klp	04/02/12 13:05

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 36845Lab Sample ID: CCVIS 200-36845/2 Client Sample ID: _____Date Analyzed: 04/12/12 11:36 Lab File ID: ckrj002.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.65	Baseline event	pd	04/12/12 12:06
Acetonitrile	8.68	Baseline event	pd	04/12/12 12:08

Lab Sample ID: LCS 200-36845/3 Client Sample ID: _____Date Analyzed: 04/12/12 12:27 Lab File ID: ckrj003.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.66	Baseline event	pd	04/12/12 13:04

AIR - GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Instrument ID: C.i Analysis Batch Number: 36891Lab Sample ID: CCVIS 200-36891/2 Client Sample ID: _____Date Analyzed: 04/13/12 11:40 Lab File ID: ckrk002.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.64	Baseline event	pd	04/13/12 12:07
Acetonitrile	8.68	Baseline event	pd	04/13/12 12:07

Lab Sample ID: LCS 200-36891/3 Client Sample ID: _____Date Analyzed: 04/13/12 12:38 Lab File ID: ckrk003.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Chloropropene	8.65	Baseline event	pd	04/13/12 13:04

Lab Sample ID: 480-18060-1 Client Sample ID: LRP EffluentDate Analyzed: 04/13/12 14:15 Lab File ID: ckrk005.d GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1-Dichloroethene	8.06	Baseline event	wrd	04/14/12 17:35
trans-1,2-Dichloroethene	9.24	Baseline event	wrd	04/14/12 17:36

SAMPLE SUMMARY

Client: AECOM, Inc.

Job Number: 480-18060-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-18060-1	LRP Effluent	Air	04/02/2012 0830	04/04/2012 1439
480-18060-2	AS Effluent	Air	04/02/2012 0830	04/04/2012 1439

EXECUTIVE SUMMARY - Detections

Client: AECOM, Inc.

Job Number: 480-18060-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-18060-1 LRP EFFLUENT						
Vinyl chloride		1100		92	ppb v/v	TO-15
Vinyl chloride		2800		230	ug/m3	TO-15
1,1-Dichloroethene		110		92	ppb v/v	TO-15
1,1-Dichloroethene		420		360	ug/m3	TO-15
trans-1,2-Dichloroethene		100		92	ppb v/v	TO-15
trans-1,2-Dichloroethene		410		360	ug/m3	TO-15
1,1-Dichloroethane		340		92	ppb v/v	TO-15
1,1-Dichloroethane		1400		370	ug/m3	TO-15
cis-1,2-Dichloroethene		13000		92	ppb v/v	TO-15
cis-1,2-Dichloroethene		53000		360	ug/m3	TO-15
1,2-Dichloroethene, Total		14000		92	ppb v/v	TO-15
1,2-Dichloroethene, Total		54000		360	ug/m3	TO-15
1,1,1-Trichloroethane		430		92	ppb v/v	TO-15
1,1,1-Trichloroethane		2300		500	ug/m3	TO-15
Trichloroethene		9200		92	ppb v/v	TO-15
Trichloroethene		50000		490	ug/m3	TO-15
480-18060-2 AS EFFLUENT						
Vinyl chloride		11		1.4	ppb v/v	TO-15
Vinyl chloride		29		3.5	ug/m3	TO-15
Chloroethane		8.4		3.5	ppb v/v	TO-15
Chloroethane		22		9.1	ug/m3	TO-15
1,1-Dichloroethane		7.9		1.4	ppb v/v	TO-15
1,1-Dichloroethane		32		5.6	ug/m3	TO-15
cis-1,2-Dichloroethene		260		1.4	ppb v/v	TO-15
cis-1,2-Dichloroethene		1000		5.5	ug/m3	TO-15
1,2-Dichloroethene, Total		260		1.4	ppb v/v	TO-15
1,2-Dichloroethene, Total		1000		5.5	ug/m3	TO-15
1,1,1-Trichloroethane		1.5		1.4	ppb v/v	TO-15
1,1,1-Trichloroethane		8.3		7.5	ug/m3	TO-15
Trichloroethene		52		1.4	ppb v/v	TO-15
Trichloroethene		280		7.4	ug/m3	TO-15

METHOD SUMMARY

Client: AECOM, Inc.

Job Number: 480-18060-1

Description	Lab Location	Method	Preparation Method
Matrix Air			
Volatile Organic Compounds in Ambient Air	TAL BUR	EPA TO-15	
Collection via Summa Canister	TAL BUR		Summa Canister

Lab References:

TAL BUR = TestAmerica Burlington

Method References:

EPA = US Environmental Protection Agency

METHOD / ANALYST SUMMARY

Client: AECOM, Inc.

Job Number: 480-18060-1

Method	Analyst	Analyst ID
EPA TO-15	Daigle, Paul A	PAD
EPA TO-15	Desjardins, William R	WRD

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18060-1

Client Sample ID: LRP Effluent

Lab Sample ID: 480-18060-1

Date Sampled: 04/02/2012 0830

Client Matrix: Air

Date Received: 04/04/2012 1439

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-36891	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckrk005.d
Dilution:	458			Initial Weight/Volume:	22 mL
Analysis Date:	04/13/2012 1415			Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 1415			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		230	230
1,2-Dichlorotetrafluoroethane	ND		92	92
Chloromethane	ND		230	230
Vinyl chloride	1100		92	92
1,3-Butadiene	ND		92	92
Bromomethane	ND		92	92
Chloroethane	ND		230	230
Bromoethene(Vinyl Bromide)	ND		92	92
Trichlorofluoromethane	ND		92	92
Freon TF	ND		92	92
1,1-Dichloroethene	110		92	92
Acetone	ND		2300	2300
Isopropyl alcohol	ND		2300	2300
Carbon disulfide	ND		230	230
3-Chloropropene	ND		230	230
Methylene Chloride	ND		230	230
tert-Butyl alcohol	ND		2300	2300
Methyl tert-butyl ether	ND		92	92
trans-1,2-Dichloroethene	100		92	92
n-Hexane	ND		92	92
1,1-Dichloroethane	340		92	92
Methyl Ethyl Ketone	ND		230	230
cis-1,2-Dichloroethene	13000		92	92
1,2-Dichloroethene, Total	14000		92	92
Chloroform	ND		92	92
Tetrahydrofuran	ND		2300	2300
1,1,1-Trichloroethane	430		92	92
Cyclohexane	ND		92	92
Carbon tetrachloride	ND		92	92
2,2,4-Trimethylpentane	ND		92	92
Benzene	ND		92	92
1,2-Dichloroethane	ND		92	92
n-Heptane	ND		92	92
Trichloroethene	9200		92	92
1,2-Dichloropropane	ND		92	92
1,4-Dioxane	ND		2300	2300
Bromodichloromethane	ND		92	92
cis-1,3-Dichloropropene	ND		92	92
methyl isobutyl ketone	ND		230	230
Toluene	ND		92	92
trans-1,3-Dichloropropene	ND		92	92
1,1,2-Trichloroethane	ND		92	92
Tetrachloroethene	ND		92	92
Methyl Butyl Ketone (2-Hexanone)	ND		230	230
Dibromochloromethane	ND		92	92
1,2-Dibromoethane	ND		92	92

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18060-1

Client Sample ID: LRP Effluent

Lab Sample ID: 480-18060-1

Client Matrix: Air

Date Sampled: 04/02/2012 0830

Date Received: 04/04/2012 1439

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-36891	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckrk005.d
Dilution:	458			Initial Weight/Volume:	22 mL
Analysis Date:	04/13/2012 1415			Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 1415			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		92	92
Ethylbenzene	ND		92	92
m,p-Xylene	ND		230	230
Xylene, o-	ND		92	92
Xylene (total)	ND		92	92
Styrene	ND		92	92
Bromoform	ND		92	92
1,1,2,2-Tetrachloroethane	ND		92	92
4-Ethyltoluene	ND		92	92
1,3,5-Trimethylbenzene	ND		92	92
2-Chlorotoluene	ND		92	92
1,2,4-Trimethylbenzene	ND		92	92
1,3-Dichlorobenzene	ND		92	92
1,4-Dichlorobenzene	ND		92	92
1,2-Dichlorobenzene	ND		92	92
1,2,4-Trichlorobenzene	ND		230	230
Hexachlorobutadiene	ND		92	92

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		1100	1100
1,2-Dichlorotetrafluoroethane	ND		640	640
Chloromethane	ND		470	470
Vinyl chloride	2800		230	230
1,3-Butadiene	ND		200	200
Bromomethane	ND		360	360
Chloroethane	ND		600	600
Bromoethene(Vinyl Bromide)	ND		400	400
Trichlorofluoromethane	ND		510	510
Freon TF	ND		700	700
1,1-Dichloroethene	420		360	360
Acetone	ND		5400	5400
Isopropyl alcohol	ND		5600	5600
Carbon disulfide	ND		710	710
3-Chloropropene	ND		720	720
Methylene Chloride	ND		800	800
tert-Butyl alcohol	ND		6900	6900
Methyl tert-butyl ether	ND		330	330
trans-1,2-Dichloroethene	410		360	360
n-Hexane	ND		320	320
1,1-Dichloroethane	1400		370	370
Methyl Ethyl Ketone	ND		680	680
cis-1,2-Dichloroethene	53000		360	360
1,2-Dichloroethene, Total	54000		360	360
Chloroform	ND		450	450
Tetrahydrofuran	ND		6800	6800
1,1,1-Trichloroethane	2300		500	500

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18060-1

Client Sample ID: LRP Effluent

Lab Sample ID: 480-18060-1

Date Sampled: 04/02/2012 0830

Client Matrix: Air

Date Received: 04/04/2012 1439

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-36891	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckrk005.d
Dilution:	458			Initial Weight/Volume:	22 mL
Analysis Date:	04/13/2012 1415			Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 1415			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		320	320
Carbon tetrachloride	ND		580	580
2,2,4-Trimethylpentane	ND		430	430
Benzene	ND		290	290
1,2-Dichloroethane	ND		370	370
n-Heptane	ND		380	380
Trichloroethene	50000		490	490
1,2-Dichloropropane	ND		420	420
1,4-Dioxane	ND		8300	8300
Bromodichloromethane	ND		610	610
cis-1,3-Dichloropropene	ND		420	420
methyl isobutyl ketone	ND		940	940
Toluene	ND		350	350
trans-1,3-Dichloropropene	ND		420	420
1,1,2-Trichloroethane	ND		500	500
Tetrachloroethene	ND		620	620
Methyl Butyl Ketone (2-Hexanone)	ND		940	940
Dibromochloromethane	ND		780	780
1,2-Dibromoethane	ND		700	700
Chlorobenzene	ND		420	420
Ethylbenzene	ND		400	400
m,p-Xylene	ND		990	990
Xylene, o-	ND		400	400
Xylene (total)	ND		400	400
Styrene	ND		390	390
Bromoform	ND		950	950
1,1,2,2-Tetrachloroethane	ND		630	630
4-Ethyltoluene	ND		450	450
1,3,5-Trimethylbenzene	ND		450	450
2-Chlorotoluene	ND		470	470
1,2,4-Trimethylbenzene	ND		450	450
1,3-Dichlorobenzene	ND		550	550
1,4-Dichlorobenzene	ND		550	550
1,2-Dichlorobenzene	ND		550	550
1,2,4-Trichlorobenzene	ND		1700	1700
Hexachlorobutadiene	ND		980	980

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18060-1

Client Sample ID: AS Effluent

Lab Sample ID: 480-18060-2

Date Sampled: 04/02/2012 0830

Client Matrix: Air

Date Received: 04/04/2012 1439

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-36845	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckrj019.d
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	04/13/2012 0143			Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 0143			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		3.5	3.5
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
Chloromethane	ND		3.5	3.5
Vinyl chloride	11		1.4	1.4
1,3-Butadiene	ND		1.4	1.4
Bromomethane	ND		1.4	1.4
Chloroethane	8.4		3.5	3.5
Bromoethene(Vinyl Bromide)	ND		1.4	1.4
Trichlorofluoromethane	ND		1.4	1.4
Freon TF	ND		1.4	1.4
1,1-Dichloroethene	ND		1.4	1.4
Acetone	ND		35	35
Isopropyl alcohol	ND		35	35
Carbon disulfide	ND		3.5	3.5
3-Chloropropene	ND		3.5	3.5
Methylene Chloride	ND		3.5	3.5
tert-Butyl alcohol	ND		35	35
Methyl tert-butyl ether	ND		1.4	1.4
trans-1,2-Dichloroethene	ND		1.4	1.4
n-Hexane	ND		1.4	1.4
1,1-Dichloroethane	7.9		1.4	1.4
Methyl Ethyl Ketone	ND		3.5	3.5
cis-1,2-Dichloroethene	260		1.4	1.4
1,2-Dichloroethene, Total	260		1.4	1.4
Chloroform	ND		1.4	1.4
Tetrahydrofuran	ND		35	35
1,1,1-Trichloroethane	1.5		1.4	1.4
Cyclohexane	ND		1.4	1.4
Carbon tetrachloride	ND		1.4	1.4
2,2,4-Trimethylpentane	ND		1.4	1.4
Benzene	ND		1.4	1.4
1,2-Dichloroethane	ND		1.4	1.4
n-Heptane	ND		1.4	1.4
Trichloroethene	52		1.4	1.4
1,2-Dichloropropane	ND		1.4	1.4
1,4-Dioxane	ND		35	35
Bromodichloromethane	ND		1.4	1.4
cis-1,3-Dichloropropene	ND		1.4	1.4
methyl isobutyl ketone	ND		3.5	3.5
Toluene	ND		1.4	1.4
trans-1,3-Dichloropropene	ND		1.4	1.4
1,1,2-Trichloroethane	ND		1.4	1.4
Tetrachloroethene	ND		1.4	1.4
Methyl Butyl Ketone (2-Hexanone)	ND		3.5	3.5
Dibromochloromethane	ND		1.4	1.4
1,2-Dibromoethane	ND		1.4	1.4

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18060-1

Client Sample ID: AS Effluent

Lab Sample ID: 480-18060-2

Date Sampled: 04/02/2012 0830

Client Matrix: Air

Date Received: 04/04/2012 1439

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-36845	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckrj019.d
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	04/13/2012 0143			Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 0143			Injection Volume:	200 mL

Analyte	Result (ppb v/v)	Qualifier	RL	RL
Chlorobenzene	ND		1.4	1.4
Ethylbenzene	ND		1.4	1.4
m,p-Xylene	ND		3.5	3.5
Xylene, o-	ND		1.4	1.4
Xylene (total)	ND		1.4	1.4
Styrene	ND		1.4	1.4
Bromoform	ND		1.4	1.4
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
4-Ethyltoluene	ND		1.4	1.4
1,3,5-Trimethylbenzene	ND		1.4	1.4
2-Chlorotoluene	ND		1.4	1.4
1,2,4-Trimethylbenzene	ND		1.4	1.4
1,3-Dichlorobenzene	ND		1.4	1.4
1,4-Dichlorobenzene	ND		1.4	1.4
1,2-Dichlorobenzene	ND		1.4	1.4
1,2,4-Trichlorobenzene	ND		3.5	3.5
Hexachlorobutadiene	ND		1.4	1.4

Analyte	Result (ug/m3)	Qualifier	RL	RL
Dichlorodifluoromethane	ND		17	17
1,2-Dichlorotetrafluoroethane	ND		9.6	9.6
Chloromethane	ND		7.1	7.1
Vinyl chloride	29		3.5	3.5
1,3-Butadiene	ND		3.1	3.1
Bromomethane	ND		5.4	5.4
Chloroethane	22		9.1	9.1
Bromoethene(Vinyl Bromide)	ND		6.0	6.0
Trichlorofluoromethane	ND		7.8	7.8
Freon TF	ND		11	11
1,1-Dichloroethene	ND		5.5	5.5
Acetone	ND		82	82
Isopropyl alcohol	ND		85	85
Carbon disulfide	ND		11	11
3-Chloropropene	ND		11	11
Methylene Chloride	ND		12	12
tert-Butyl alcohol	ND		100	100
Methyl tert-butyl ether	ND		5.0	5.0
trans-1,2-Dichloroethene	ND		5.5	5.5
n-Hexane	ND		4.9	4.9
1,1-Dichloroethane	32		5.6	5.6
Methyl Ethyl Ketone	ND		10	10
cis-1,2-Dichloroethene	1000		5.5	5.5
1,2-Dichloroethene, Total	1000		5.5	5.5
Chloroform	ND		6.7	6.7
Tetrahydrofuran	ND		100	100
1,1,1-Trichloroethane	8.3		7.5	7.5

Analytical Data

Client: AECOM, Inc.

Job Number: 480-18060-1

Client Sample ID: AS Effluent

Lab Sample ID: 480-18060-2

Date Sampled: 04/02/2012 0830

Client Matrix: Air

Date Received: 04/04/2012 1439

TO-15 Volatile Organic Compounds in Ambient Air

Analysis Method:	TO-15	Analysis Batch:	200-36845	Instrument ID:	C.i
Prep Method:	Summa Canister	Prep Batch:	N/A	Lab File ID:	ckrj019.d
Dilution:	6.9			Initial Weight/Volume:	29 mL
Analysis Date:	04/13/2012 0143			Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 0143			Injection Volume:	200 mL

Analyte	Result (ug/m3)	Qualifier	RL	RL
Cyclohexane	ND		4.8	4.8
Carbon tetrachloride	ND		8.7	8.7
2,2,4-Trimethylpentane	ND		6.4	6.4
Benzene	ND		4.4	4.4
1,2-Dichloroethane	ND		5.6	5.6
n-Heptane	ND		5.7	5.7
Trichloroethene	280		7.4	7.4
1,2-Dichloropropane	ND		6.4	6.4
1,4-Dioxane	ND		120	120
Bromodichloromethane	ND		9.2	9.2
cis-1,3-Dichloropropene	ND		6.3	6.3
methyl isobutyl ketone	ND		14	14
Toluene	ND		5.2	5.2
trans-1,3-Dichloropropene	ND		6.3	6.3
1,1,2-Trichloroethane	ND		7.5	7.5
Tetrachloroethene	ND		9.4	9.4
Methyl Butyl Ketone (2-Hexanone)	ND		14	14
Dibromochloromethane	ND		12	12
1,2-Dibromoethane	ND		11	11
Chlorobenzene	ND		6.3	6.3
Ethylbenzene	ND		6.0	6.0
m,p-Xylene	ND		15	15
Xylene, o-	ND		6.0	6.0
Xylene (total)	ND		6.0	6.0
Styrene	ND		5.9	5.9
Bromoform	ND		14	14
1,1,2,2-Tetrachloroethane	ND		9.5	9.5
4-Ethyltoluene	ND		6.8	6.8
1,3,5-Trimethylbenzene	ND		6.8	6.8
2-Chlorotoluene	ND		7.1	7.1
1,2,4-Trimethylbenzene	ND		6.8	6.8
1,3-Dichlorobenzene	ND		8.3	8.3
1,4-Dichlorobenzene	ND		8.3	8.3
1,2-Dichlorobenzene	ND		8.3	8.3
1,2,4-Trichlorobenzene	ND		26	26
Hexachlorobutadiene	ND		15	15

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36845

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36845/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/12/2012 1317
 Prep Date: 04/12/2012 1317
 Leach Date: N/A

Analysis Batch: 200-36845
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: C.i
 Lab File ID: ckjrj004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
Dichlorodifluoromethane	ND		0.50	0.50
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
Chloromethane	ND		0.50	0.50
Vinyl chloride	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Trichlorofluoromethane	ND		0.20	0.20
Freon TF	ND		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
Acetone	ND		5.0	5.0
Isopropyl alcohol	ND		5.0	5.0
Carbon disulfide	ND		0.50	0.50
3-Chloropropene	ND		0.50	0.50
Methylene Chloride	ND		0.50	0.50
tert-Butyl alcohol	ND		5.0	5.0
Methyl tert-butyl ether	ND		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
n-Hexane	ND		0.20	0.20
1,1-Dichloroethane	ND		0.20	0.20
Methyl Ethyl Ketone	ND		0.50	0.50
cis-1,2-Dichloroethene	ND		0.20	0.20
1,2-Dichloroethene, Total	ND		0.20	0.20
Chloroform	ND		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
1,1,1-Trichloroethane	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Carbon tetrachloride	ND		0.20	0.20
2,2,4-Trimethylpentane	ND		0.20	0.20
Benzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
n-Heptane	ND		0.20	0.20
Trichloroethene	ND		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
Bromodichloromethane	ND		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
methyl isobutyl ketone	ND		0.50	0.50
Toluene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
Tetrachloroethene	ND		0.20	0.20
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Dibromochloromethane	ND		0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36845

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36845/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/12/2012 1317
Prep Date: 04/12/2012 1317
Leach Date: N/A

Analysis Batch: 200-36845
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: C.i
Lab File ID: ckjrj004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
1,2-Dibromoethane	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Ethylbenzene	ND		0.20	0.20
m,p-Xylene	ND		0.50	0.50
Xylene, o-	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Styrene	ND		0.20	0.20
Bromoform	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
4-Ethyltoluene	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
Hexachlorobutadiene	ND		0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36845

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36845/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/12/2012 1317
 Prep Date: 04/12/2012 1317
 Leach Date: N/A

Analysis Batch: 200-36845
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: C.i
 Lab File ID: ckjrj004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
Dichlorodifluoromethane	ND		2.5	2.5
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
Chloromethane	ND		1.0	1.0
Vinyl chloride	ND		0.51	0.51
1,3-Butadiene	ND		0.44	0.44
Bromomethane	ND		0.78	0.78
Chloroethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Trichlorofluoromethane	ND		1.1	1.1
Freon TF	ND		1.5	1.5
1,1-Dichloroethene	ND		0.79	0.79
Acetone	ND		12	12
Isopropyl alcohol	ND		12	12
Carbon disulfide	ND		1.6	1.6
3-Chloropropene	ND		1.6	1.6
Methylene Chloride	ND		1.7	1.7
tert-Butyl alcohol	ND		15	15
Methyl tert-butyl ether	ND		0.72	0.72
trans-1,2-Dichloroethene	ND		0.79	0.79
n-Hexane	ND		0.70	0.70
1,1-Dichloroethane	ND		0.81	0.81
Methyl Ethyl Ketone	ND		1.5	1.5
cis-1,2-Dichloroethene	ND		0.79	0.79
1,2-Dichloroethene, Total	ND		0.79	0.79
Chloroform	ND		0.98	0.98
Tetrahydrofuran	ND		15	15
1,1,1-Trichloroethane	ND		1.1	1.1
Cyclohexane	ND		0.69	0.69
Carbon tetrachloride	ND		1.3	1.3
2,2,4-Trimethylpentane	ND		0.93	0.93
Benzene	ND		0.64	0.64
1,2-Dichloroethane	ND		0.81	0.81
n-Heptane	ND		0.82	0.82
Trichloroethene	ND		1.1	1.1
1,2-Dichloropropane	ND		0.92	0.92
1,4-Dioxane	ND		18	18
Bromodichloromethane	ND		1.3	1.3
cis-1,3-Dichloropropene	ND		0.91	0.91
methyl isobutyl ketone	ND		2.0	2.0
Toluene	ND		0.75	0.75
trans-1,3-Dichloropropene	ND		0.91	0.91
1,1,2-Trichloroethane	ND		1.1	1.1
Tetrachloroethene	ND		1.4	1.4
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Dibromochloromethane	ND		1.7	1.7

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36845

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36845/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/12/2012 1317
Prep Date: 04/12/2012 1317
Leach Date: N/A

Analysis Batch: 200-36845
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: C.i
Lab File ID: ckrj004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
1,2-Dibromoethane	ND		1.5	1.5
Chlorobenzene	ND		0.92	0.92
Ethylbenzene	ND		0.87	0.87
m,p-Xylene	ND		2.2	2.2
Xylene, o-	ND		0.87	0.87
Xylene (total)	ND		0.87	0.87
Styrene	ND		0.85	0.85
Bromoform	ND		2.1	2.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
4-Ethyltoluene	ND		0.98	0.98
1,3,5-Trimethylbenzene	ND		0.98	0.98
2-Chlorotoluene	ND		1.0	1.0
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,2-Dichlorobenzene	ND		1.2	1.2
1,2,4-Trichlorobenzene	ND		3.7	3.7
Hexachlorobutadiene	ND		2.1	2.1

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Lab Control Sample - Batch: 200-36845

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-36845/3	Analysis Batch: 200-36845	Instrument ID: C.i
Client Matrix: Air	Prep Batch: N/A	Lab File ID: ckrj003.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 200 mL
Analysis Date: 04/12/2012 1227	Units: ppb v/v	Final Weight/Volume: 200 mL
Prep Date: 04/12/2012 1227		Injection Volume: 200 mL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.5	105	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	9.81	98	70 - 130	
Chloromethane	10.0	9.58	96	70 - 130	
Vinyl chloride	10.0	9.69	97	70 - 130	
1,3-Butadiene	10.0	9.90	99	70 - 130	
Bromomethane	10.0	9.32	93	70 - 130	
Chloroethane	10.0	9.29	93	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.1	101	70 - 130	
Trichlorofluoromethane	10.0	10.1	101	70 - 130	
Freon TF	10.0	10.7	107	70 - 130	
1,1-Dichloroethene	10.0	10.3	103	70 - 130	
Acetone	10.0	12.0	120	70 - 130	
Isopropyl alcohol	10.0	8.67	87	70 - 130	
Carbon disulfide	10.0	9.69	97	70 - 130	
3-Chloropropene	10.0	9.96	100	70 - 130	
Methylene Chloride	10.0	10.1	101	70 - 130	
tert-Butyl alcohol	10.0	10.1	101	70 - 130	
Methyl tert-butyl ether	10.0	9.98	100	70 - 130	
trans-1,2-Dichloroethene	10.0	9.95	100	70 - 130	
n-Hexane	10.0	9.62	96	70 - 130	
1,1-Dichloroethane	10.0	9.96	100	70 - 130	
Methyl Ethyl Ketone	10.0	10.1	101	70 - 130	
cis-1,2-Dichloroethene	10.0	9.78	98	70 - 130	
Chloroform	10.0	10.1	101	70 - 130	
Tetrahydrofuran	10.0	9.21	92	70 - 130	
1,1,1-Trichloroethane	10.0	10.2	102	70 - 130	
Cyclohexane	10.0	9.66	97	70 - 130	
Carbon tetrachloride	10.0	10.0	100	70 - 130	
2,2,4-Trimethylpentane	10.0	9.61	96	70 - 130	
Benzene	10.0	9.50	95	70 - 130	
1,2-Dichloroethane	10.0	10.3	103	70 - 130	
n-Heptane	10.0	9.60	96	70 - 130	
Trichloroethene	10.0	9.31	93	70 - 130	
1,2-Dichloropropane	10.0	9.23	92	70 - 130	
1,4-Dioxane	10.0	7.01	70	70 - 130	
Bromodichloromethane	10.0	10.6	106	70 - 130	
cis-1,3-Dichloropropene	10.0	9.50	95	70 - 130	
methyl isobutyl ketone	10.0	9.92	99	70 - 130	
Toluene	10.0	9.38	94	70 - 130	
trans-1,3-Dichloropropene	10.0	9.64	96	70 - 130	
1,1,2-Trichloroethane	10.0	9.10	91	70 - 130	
Tetrachloroethene	10.0	9.93	99	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	9.77	98	70 - 130	
Dibromochloromethane	10.0	10.8	108	70 - 130	
1,2-Dibromoethane	10.0	9.64	96	70 - 130	
Chlorobenzene	10.0	9.43	94	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Lab Control Sample - Batch: 200-36845

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-36845/3	Analysis Batch:	200-36845	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckrj003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/12/2012 1227	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/12/2012 1227			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylbenzene	10.0	9.56	96	70 - 130	
m,p-Xylene	20.0	18.9	94	70 - 130	
Xylene, o-	10.0	9.28	93	70 - 130	
Styrene	10.0	9.58	96	70 - 130	
Bromoform	10.0	10.8	108	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.05	91	70 - 130	
4-Ethyltoluene	10.0	10.1	101	70 - 130	
1,3,5-Trimethylbenzene	10.0	9.72	97	70 - 130	
2-Chlorotoluene	10.0	9.75	98	70 - 130	
1,2,4-Trimethylbenzene	10.0	9.48	95	70 - 130	
1,3-Dichlorobenzene	10.0	9.27	93	70 - 130	
1,4-Dichlorobenzene	10.0	9.43	94	70 - 130	
1,2-Dichlorobenzene	10.0	9.23	92	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.12	91	70 - 130	
Hexachlorobutadiene	10.0	9.55	95	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36891

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36891/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/13/2012 1325
 Prep Date: 04/13/2012 1325
 Leach Date: N/A

Analysis Batch: 200-36891
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: C.i
 Lab File ID: ckrk004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
Dichlorodifluoromethane	ND		0.50	0.50
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20
Chloromethane	ND		0.50	0.50
Vinyl chloride	ND		0.20	0.20
1,3-Butadiene	ND		0.20	0.20
Bromomethane	ND		0.20	0.20
Chloroethane	ND		0.50	0.50
Bromoethene(Vinyl Bromide)	ND		0.20	0.20
Trichlorofluoromethane	ND		0.20	0.20
Freon TF	ND		0.20	0.20
1,1-Dichloroethene	ND		0.20	0.20
Acetone	ND		5.0	5.0
Isopropyl alcohol	ND		5.0	5.0
Carbon disulfide	ND		0.50	0.50
3-Chloropropene	ND		0.50	0.50
Methylene Chloride	ND		0.50	0.50
tert-Butyl alcohol	ND		5.0	5.0
Methyl tert-butyl ether	ND		0.20	0.20
trans-1,2-Dichloroethene	ND		0.20	0.20
n-Hexane	ND		0.20	0.20
1,1-Dichloroethane	ND		0.20	0.20
Methyl Ethyl Ketone	ND		0.50	0.50
cis-1,2-Dichloroethene	ND		0.20	0.20
1,2-Dichloroethene, Total	ND		0.20	0.20
Chloroform	ND		0.20	0.20
Tetrahydrofuran	ND		5.0	5.0
1,1,1-Trichloroethane	ND		0.20	0.20
Cyclohexane	ND		0.20	0.20
Carbon tetrachloride	ND		0.20	0.20
2,2,4-Trimethylpentane	ND		0.20	0.20
Benzene	ND		0.20	0.20
1,2-Dichloroethane	ND		0.20	0.20
n-Heptane	ND		0.20	0.20
Trichloroethene	ND		0.20	0.20
1,2-Dichloropropane	ND		0.20	0.20
1,4-Dioxane	ND		5.0	5.0
Bromodichloromethane	ND		0.20	0.20
cis-1,3-Dichloropropene	ND		0.20	0.20
methyl isobutyl ketone	ND		0.50	0.50
Toluene	ND		0.20	0.20
trans-1,3-Dichloropropene	ND		0.20	0.20
1,1,2-Trichloroethane	ND		0.20	0.20
Tetrachloroethene	ND		0.20	0.20
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50
Dibromochloromethane	ND		0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36891

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36891/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/13/2012 1325
Prep Date: 04/13/2012 1325
Leach Date: N/A

Analysis Batch: 200-36891
Prep Batch: N/A
Leach Batch: N/A
Units: ppb v/v

Instrument ID: C.i
Lab File ID: ckrk004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
1,2-Dibromoethane	ND		0.20	0.20
Chlorobenzene	ND		0.20	0.20
Ethylbenzene	ND		0.20	0.20
m,p-Xylene	ND		0.50	0.50
Xylene, o-	ND		0.20	0.20
Xylene (total)	ND		0.20	0.20
Styrene	ND		0.20	0.20
Bromoform	ND		0.20	0.20
1,1,2,2-Tetrachloroethane	ND		0.20	0.20
4-Ethyltoluene	ND		0.20	0.20
1,3,5-Trimethylbenzene	ND		0.20	0.20
2-Chlorotoluene	ND		0.20	0.20
1,2,4-Trimethylbenzene	ND		0.20	0.20
1,3-Dichlorobenzene	ND		0.20	0.20
1,4-Dichlorobenzene	ND		0.20	0.20
1,2-Dichlorobenzene	ND		0.20	0.20
1,2,4-Trichlorobenzene	ND		0.50	0.50
Hexachlorobutadiene	ND		0.20	0.20

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36891

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36891/4
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/13/2012 1325
 Prep Date: 04/13/2012 1325
 Leach Date: N/A

Analysis Batch: 200-36891
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/m3

Instrument ID: C.i
 Lab File ID: ckrk004.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
Dichlorodifluoromethane	ND		2.5	2.5
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4
Chloromethane	ND		1.0	1.0
Vinyl chloride	ND		0.51	0.51
1,3-Butadiene	ND		0.44	0.44
Bromomethane	ND		0.78	0.78
Chloroethane	ND		1.3	1.3
Bromoethene(Vinyl Bromide)	ND		0.87	0.87
Trichlorofluoromethane	ND		1.1	1.1
Freon TF	ND		1.5	1.5
1,1-Dichloroethene	ND		0.79	0.79
Acetone	ND		12	12
Isopropyl alcohol	ND		12	12
Carbon disulfide	ND		1.6	1.6
3-Chloropropene	ND		1.6	1.6
Methylene Chloride	ND		1.7	1.7
tert-Butyl alcohol	ND		15	15
Methyl tert-butyl ether	ND		0.72	0.72
trans-1,2-Dichloroethene	ND		0.79	0.79
n-Hexane	ND		0.70	0.70
1,1-Dichloroethane	ND		0.81	0.81
Methyl Ethyl Ketone	ND		1.5	1.5
cis-1,2-Dichloroethene	ND		0.79	0.79
1,2-Dichloroethene, Total	ND		0.79	0.79
Chloroform	ND		0.98	0.98
Tetrahydrofuran	ND		15	15
1,1,1-Trichloroethane	ND		1.1	1.1
Cyclohexane	ND		0.69	0.69
Carbon tetrachloride	ND		1.3	1.3
2,2,4-Trimethylpentane	ND		0.93	0.93
Benzene	ND		0.64	0.64
1,2-Dichloroethane	ND		0.81	0.81
n-Heptane	ND		0.82	0.82
Trichloroethene	ND		1.1	1.1
1,2-Dichloropropane	ND		0.92	0.92
1,4-Dioxane	ND		18	18
Bromodichloromethane	ND		1.3	1.3
cis-1,3-Dichloropropene	ND		0.91	0.91
methyl isobutyl ketone	ND		2.0	2.0
Toluene	ND		0.75	0.75
trans-1,3-Dichloropropene	ND		0.91	0.91
1,1,2-Trichloroethane	ND		1.1	1.1
Tetrachloroethene	ND		1.4	1.4
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0
Dibromochloromethane	ND		1.7	1.7

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Method Blank - Batch: 200-36891

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: MB 200-36891/4
Client Matrix: Air
Dilution: 1.0
Analysis Date: 04/13/2012 1325
Prep Date: 04/13/2012 1325
Leach Date: N/A

Analysis Batch: 200-36891
Prep Batch: N/A
Leach Batch: N/A
Units: ug/m3

Instrument ID: C.i
Lab File ID: ckrk004.d
Initial Weight/Volume: 200 mL
Final Weight/Volume: 200 mL
Injection Volume: 200 mL

Analyte	Result	Qual	RL	RL
1,2-Dibromoethane	ND		1.5	1.5
Chlorobenzene	ND		0.92	0.92
Ethylbenzene	ND		0.87	0.87
m,p-Xylene	ND		2.2	2.2
Xylene, o-	ND		0.87	0.87
Xylene (total)	ND		0.87	0.87
Styrene	ND		0.85	0.85
Bromoform	ND		2.1	2.1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4
4-Ethyltoluene	ND		0.98	0.98
1,3,5-Trimethylbenzene	ND		0.98	0.98
2-Chlorotoluene	ND		1.0	1.0
1,2,4-Trimethylbenzene	ND		0.98	0.98
1,3-Dichlorobenzene	ND		1.2	1.2
1,4-Dichlorobenzene	ND		1.2	1.2
1,2-Dichlorobenzene	ND		1.2	1.2
1,2,4-Trichlorobenzene	ND		3.7	3.7
Hexachlorobutadiene	ND		2.1	2.1

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Lab Control Sample - Batch: 200-36891

Method: TO-15

Preparation: Summa Canister

Lab Sample ID: LCS 200-36891/3
 Client Matrix: Air
 Dilution: 1.0
 Analysis Date: 04/13/2012 1238
 Prep Date: 04/13/2012 1238
 Leach Date: N/A

Analysis Batch: 200-36891
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ppb v/v

Instrument ID: C.i
 Lab File ID: ckrk003.d
 Initial Weight/Volume: 200 mL
 Final Weight/Volume: 200 mL
 Injection Volume: 200 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dichlorodifluoromethane	10.0	10.7	107	70 - 130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70 - 130	
Chloromethane	10.0	9.58	96	70 - 130	
Vinyl chloride	10.0	9.72	97	70 - 130	
1,3-Butadiene	10.0	9.99	100	70 - 130	
Bromomethane	10.0	9.63	96	70 - 130	
Chloroethane	10.0	9.71	97	70 - 130	
Bromoethene(Vinyl Bromide)	10.0	10.6	106	70 - 130	
Trichlorofluoromethane	10.0	10.7	107	70 - 130	
Freon TF	10.0	11.2	112	70 - 130	
1,1-Dichloroethene	10.0	11.0	110	70 - 130	
Acetone	10.0	12.1	121	70 - 130	
Isopropyl alcohol	10.0	8.91	89	70 - 130	
Carbon disulfide	10.0	9.99	100	70 - 130	
3-Chloropropene	10.0	9.84	98	70 - 130	
Methylene Chloride	10.0	10.6	106	70 - 130	
tert-Butyl alcohol	10.0	10.2	102	70 - 130	
Methyl tert-butyl ether	10.0	9.97	100	70 - 130	
trans-1,2-Dichloroethene	10.0	10.3	103	70 - 130	
n-Hexane	10.0	9.85	99	70 - 130	
1,1-Dichloroethane	10.0	10.1	101	70 - 130	
Methyl Ethyl Ketone	10.0	9.73	97	70 - 130	
cis-1,2-Dichloroethene	10.0	10.0	100	70 - 130	
Chloroform	10.0	10.4	104	70 - 130	
Tetrahydrofuran	10.0	9.63	96	70 - 130	
1,1,1-Trichloroethane	10.0	11.0	111	70 - 130	
Cyclohexane	10.0	10.5	105	70 - 130	
Carbon tetrachloride	10.0	10.9	109	70 - 130	
2,2,4-Trimethylpentane	10.0	10.2	102	70 - 130	
Benzene	10.0	9.95	99	70 - 130	
1,2-Dichloroethane	10.0	11.0	110	70 - 130	
n-Heptane	10.0	10.2	102	70 - 130	
Trichloroethene	10.0	10.0	100	70 - 130	
1,2-Dichloropropane	10.0	9.75	98	70 - 130	
1,4-Dioxane	10.0	7.34	73	70 - 130	
Bromodichloromethane	10.0	11.2	112	70 - 130	
cis-1,3-Dichloropropene	10.0	9.99	100	70 - 130	
methyl isobutyl ketone	10.0	9.95	100	70 - 130	
Toluene	10.0	10.2	102	70 - 130	
trans-1,3-Dichloropropene	10.0	9.99	100	70 - 130	
1,1,2-Trichloroethane	10.0	9.81	98	70 - 130	
Tetrachloroethene	10.0	11.0	110	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70 - 130	
Dibromochloromethane	10.0	11.9	119	70 - 130	
1,2-Dibromoethane	10.0	10.5	105	70 - 130	
Chlorobenzene	10.0	10.2	103	70 - 130	

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Lab Control Sample - Batch: 200-36891

Method: TO-15

Preparation: Summa Canister

Lab Sample ID:	LCS 200-36891/3	Analysis Batch:	200-36891	Instrument ID:	C.i
Client Matrix:	Air	Prep Batch:	N/A	Lab File ID:	ckrk003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	200 mL
Analysis Date:	04/13/2012 1238	Units:	ppb v/v	Final Weight/Volume:	200 mL
Prep Date:	04/13/2012 1238			Injection Volume:	200 mL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Ethylbenzene	10.0	10.4	104	70 - 130	
m,p-Xylene	20.0	20.3	101	70 - 130	
Xylene, o-	10.0	9.92	99	70 - 130	
Styrene	10.0	10.4	104	70 - 130	
Bromoform	10.0	12.1	121	70 - 130	
1,1,2,2-Tetrachloroethane	10.0	9.72	97	70 - 130	
4-Ethyltoluene	10.0	10.8	108	70 - 130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70 - 130	
2-Chlorotoluene	10.0	10.7	107	70 - 130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70 - 130	
1,3-Dichlorobenzene	10.0	10.2	102	70 - 130	
1,4-Dichlorobenzene	10.0	10.3	103	70 - 130	
1,2-Dichlorobenzene	10.0	10.1	101	70 - 130	
1,2,4-Trichlorobenzene	10.0	9.87	99	70 - 130	
Hexachlorobutadiene	10.0	10.4	104	70 - 130	

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Air - GC/MS VOA					
Analysis Batch:200-36845					
LCS 200-36845/3	Lab Control Sample	T	Air	TO-15	
MB 200-36845/4	Method Blank	T	Air	TO-15	
480-18060-2	AS Effluent	T	Air	TO-15	
Analysis Batch:200-36891					
LCS 200-36891/3	Lab Control Sample	T	Air	TO-15	
MB 200-36891/4	Method Blank	T	Air	TO-15	
480-18060-1	LRP Effluent	T	Air	TO-15	

Report Basis

T = Total

Quality Control Results

Client: AECOM, Inc.

Job Number: 480-18060-1

Laboratory Chronicle

Lab ID: 480-18060-1

Client ID: LRP Effluent

Sample Date/Time: 04/02/2012 08:30

Received Date/Time: 04/04/2012 14:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-18060-A-1		200-36891		04/13/2012 14:15	458	TAL BUR	WRD
A:TO-15	480-18060-A-1		200-36891		04/13/2012 14:15	458	TAL BUR	WRD

Lab ID: 480-18060-2

Client ID: AS Effluent

Sample Date/Time: 04/02/2012 08:30

Received Date/Time: 04/04/2012 14:39

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	480-18060-A-2		200-36845		04/13/2012 01:43	6.9	TAL BUR	PAD
A:TO-15	480-18060-A-2		200-36845		04/13/2012 01:43	6.9	TAL BUR	PAD

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	MB 200-36845/4		200-36845		04/12/2012 13:17	1	TAL BUR	PAD
A:TO-15	MB 200-36845/4		200-36845		04/12/2012 13:17	1	TAL BUR	PAD
P:Summa Canister	MB 200-36891/4		200-36891		04/13/2012 13:25	1	TAL BUR	WRD
A:TO-15	MB 200-36891/4		200-36891		04/13/2012 13:25	1	TAL BUR	WRD

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:Summa Canister	LCS 200-36845/3		200-36845		04/12/2012 12:27	1	TAL BUR	PAD
A:TO-15	LCS 200-36845/3		200-36845		04/12/2012 12:27	1	TAL BUR	PAD
P:Summa Canister	LCS 200-36891/3		200-36891		04/13/2012 12:38	1	TAL BUR	WRD
A:TO-15	LCS 200-36891/3		200-36891		04/13/2012 12:38	1	TAL BUR	WRD

Lab References:

TAL BUR = TestAmerica Burlington

Certification Summary

Client: AECOM, Inc.
Project/Site: Scott Aviation site

TestAmerica Job ID: 480-18060-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Burlington	ACCLASS	DoD ELAP		ADE-1492
TestAmerica Burlington	Connecticut	State Program	1	PH-0751
TestAmerica Burlington	DE Haz. Subst. Cleanup Act	State Program	3	NA
TestAmerica Burlington	Florida	NELAC	4	E87467
TestAmerica Burlington	Louisiana	NELAC	6	176292
TestAmerica Burlington	Maine	State Program	1	VT00008
TestAmerica Burlington	Minnesota	NELAC	5	050-999-436
TestAmerica Burlington	New Hampshire	NELAC	1	200610
TestAmerica Burlington	New Jersey	NELAC	2	VT972
TestAmerica Burlington	New York	NELAC	2	10391
TestAmerica Burlington	Pennsylvania	NELAC	3	68-00489
TestAmerica Burlington	Rhode Island	State Program	1	LAO00298
TestAmerica Burlington	USDA	Federal		P330-11-00093
TestAmerica Burlington	Vermont	State Program	1	VT-4000
TestAmerica Burlington	Virginia	NELAC	3	460209

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TO15

Volatile Organic Compounds in
Ambient Air

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: ckrj003.d
 Lab ID: LCS 200-36845/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.5	105	70-130	
1,2-Dichlorotetrafluoroethane	10.0	9.81	98	70-130	
Chloromethane	10.0	9.58	96	70-130	
Vinyl chloride	10.0	9.69	97	70-130	
1,3-Butadiene	10.0	9.90	99	70-130	
Bromomethane	10.0	9.32	93	70-130	
Chloroethane	10.0	9.29	93	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.1	101	70-130	
Trichlorofluoromethane	10.0	10.1	101	70-130	
Freon TF	10.0	10.7	107	70-130	
1,1-Dichloroethene	10.0	10.3	103	70-130	
Acetone	10.0	12.0	120	70-130	
Isopropyl alcohol	10.0	8.67	87	70-130	
Carbon disulfide	10.0	9.69	97	70-130	
3-Chloropropene	10.0	9.96	100	70-130	
Methylene Chloride	10.0	10.1	101	70-130	
tert-Butyl alcohol	10.0	10.1	101	70-130	
Methyl tert-butyl ether	10.0	9.98	100	70-130	
trans-1,2-Dichloroethene	10.0	9.95	100	70-130	
n-Hexane	10.0	9.62	96	70-130	
1,1-Dichloroethane	10.0	9.96	100	70-130	
Methyl Ethyl Ketone	10.0	10.1	101	70-130	
cis-1,2-Dichloroethene	10.0	9.78	98	70-130	
Chloroform	10.0	10.1	101	70-130	
Tetrahydrofuran	10.0	9.21	92	70-130	
1,1,1-Trichloroethane	10.0	10.2	102	70-130	
Cyclohexane	10.0	9.66	97	70-130	
Carbon tetrachloride	10.0	10.0	100	70-130	
2,2,4-Trimethylpentane	10.0	9.61	96	70-130	
Benzene	10.0	9.50	95	70-130	
1,2-Dichloroethane	10.0	10.3	103	70-130	
n-Heptane	10.0	9.60	96	70-130	
Trichloroethene	10.0	9.31	93	70-130	
1,2-Dichloropropane	10.0	9.23	92	70-130	
1,4-Dioxane	10.0	7.01	70	70-130	
Bromodichloromethane	10.0	10.6	106	70-130	
cis-1,3-Dichloropropene	10.0	9.50	95	70-130	
methyl isobutyl ketone	10.0	9.92	99	70-130	
Toluene	10.0	9.38	94	70-130	
trans-1,3-Dichloropropene	10.0	9.64	96	70-130	
1,1,2-Trichloroethane	10.0	9.10	91	70-130	
Tetrachloroethene	10.0	9.93	99	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: ckrj003.d
 Lab ID: LCS 200-36845/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Methyl Butyl Ketone (2-Hexanone)	10.0	9.77	98	70-130	
Dibromochloromethane	10.0	10.8	108	70-130	
1,2-Dibromoethane	10.0	9.64	96	70-130	
Chlorobenzene	10.0	9.43	94	70-130	
Ethylbenzene	10.0	9.56	96	70-130	
m,p-Xylene	20.0	18.9	94	70-130	
Xylene, o-	10.0	9.28	93	70-130	
Styrene	10.0	9.58	96	70-130	
Bromoform	10.0	10.8	108	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.05	91	70-130	
4-Ethyltoluene	10.0	10.1	101	70-130	
1,3,5-Trimethylbenzene	10.0	9.72	97	70-130	
2-Chlorotoluene	10.0	9.75	98	70-130	
1,2,4-Trimethylbenzene	10.0	9.48	95	70-130	
1,3-Dichlorobenzene	10.0	9.27	93	70-130	
1,4-Dichlorobenzene	10.0	9.43	94	70-130	
1,2-Dichlorobenzene	10.0	9.23	92	70-130	
1,2,4-Trichlorobenzene	10.0	9.12	91	70-130	
Hexachlorobutadiene	10.0	9.55	95	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: ckrk003.d
 Lab ID: LCS 200-36891/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Dichlorodifluoromethane	10.0	10.7	107	70-130	
1,2-Dichlorotetrafluoroethane	10.0	10.1	101	70-130	
Chloromethane	10.0	9.58	96	70-130	
Vinyl chloride	10.0	9.72	97	70-130	
1,3-Butadiene	10.0	9.99	100	70-130	
Bromomethane	10.0	9.63	96	70-130	
Chloroethane	10.0	9.71	97	70-130	
Bromoethene (Vinyl Bromide)	10.0	10.6	106	70-130	
Trichlorofluoromethane	10.0	10.7	107	70-130	
Freon TF	10.0	11.2	112	70-130	
1,1-Dichloroethene	10.0	11.0	110	70-130	
Acetone	10.0	12.1	121	70-130	
Isopropyl alcohol	10.0	8.91	89	70-130	
Carbon disulfide	10.0	9.99	100	70-130	
3-Chloropropene	10.0	9.84	98	70-130	
Methylene Chloride	10.0	10.6	106	70-130	
tert-Butyl alcohol	10.0	10.2	102	70-130	
Methyl tert-butyl ether	10.0	9.97	100	70-130	
trans-1,2-Dichloroethene	10.0	10.3	103	70-130	
n-Hexane	10.0	9.85	99	70-130	
1,1-Dichloroethane	10.0	10.1	101	70-130	
Methyl Ethyl Ketone	10.0	9.73	97	70-130	
cis-1,2-Dichloroethene	10.0	10.0	100	70-130	
Chloroform	10.0	10.4	104	70-130	
Tetrahydrofuran	10.0	9.63	96	70-130	
1,1,1-Trichloroethane	10.0	11.0	111	70-130	
Cyclohexane	10.0	10.5	105	70-130	
Carbon tetrachloride	10.0	10.9	109	70-130	
2,2,4-Trimethylpentane	10.0	10.2	102	70-130	
Benzene	10.0	9.95	99	70-130	
1,2-Dichloroethane	10.0	11.0	110	70-130	
n-Heptane	10.0	10.2	102	70-130	
Trichloroethene	10.0	10.0	100	70-130	
1,2-Dichloropropane	10.0	9.75	98	70-130	
1,4-Dioxane	10.0	7.34	73	70-130	
Bromodichloromethane	10.0	11.2	112	70-130	
cis-1,3-Dichloropropene	10.0	9.99	100	70-130	
methyl isobutyl ketone	10.0	9.95	100	70-130	
Toluene	10.0	10.2	102	70-130	
trans-1,3-Dichloropropene	10.0	9.99	100	70-130	
1,1,2-Trichloroethane	10.0	9.81	98	70-130	
Tetrachloroethene	10.0	11.0	110	70-130	

Column to be used to flag recovery and RPD values

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Matrix: Air Level: Low Lab File ID: ckrk003.d
 Lab ID: LCS 200-36891/3 Client ID: _____

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Methyl Butyl Ketone (2-Hexanone)	10.0	10.3	103	70-130	
Dibromochloromethane	10.0	11.9	119	70-130	
1,2-Dibromoethane	10.0	10.5	105	70-130	
Chlorobenzene	10.0	10.2	103	70-130	
Ethylbenzene	10.0	10.4	104	70-130	
m,p-Xylene	20.0	20.3	101	70-130	
Xylene, o-	10.0	9.92	99	70-130	
Styrene	10.0	10.4	104	70-130	
Bromoform	10.0	12.1	121	70-130	
1,1,2,2-Tetrachloroethane	10.0	9.72	97	70-130	
4-Ethyltoluene	10.0	10.8	108	70-130	
1,3,5-Trimethylbenzene	10.0	10.6	106	70-130	
2-Chlorotoluene	10.0	10.7	107	70-130	
1,2,4-Trimethylbenzene	10.0	10.2	102	70-130	
1,3-Dichlorobenzene	10.0	10.2	102	70-130	
1,4-Dichlorobenzene	10.0	10.3	103	70-130	
1,2-Dichlorobenzene	10.0	10.1	101	70-130	
1,2,4-Trichlorobenzene	10.0	9.87	99	70-130	
Hexachlorobutadiene	10.0	10.4	104	70-130	

Column to be used to flag recovery and RPD values

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
SDG No.: _____
Lab File ID: ckrj004.d Lab Sample ID: MB 200-36845/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: C.i Date Analyzed: 04/12/2012 13:17
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-36845/3	ckrj003.d	04/12/2012 12:27
AS Effluent	480-18060-2	ckrj019.d	04/13/2012 01:43

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
SDG No.: _____
Lab File ID: ckrk004.d Lab Sample ID: MB 200-36891/4
Matrix: Air Heated Purge: (Y/N) N
Instrument ID: C.i Date Analyzed: 04/13/2012 13:25
GC Column: RTX-624 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 200-36891/3	ckrk003.d	04/13/2012 12:38
LRP Effluent	480-18060-1	ckrk005.d	04/13/2012 14:15

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Lab File ID: ckr001.d BFB Injection Date: 03/30/2012
 Instrument ID: C.i BFB Injection Time: 14:51
 Analysis Batch No.: 36047

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	18.5
75	30.0 - 66.0% of mass 95	51.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	94.7
175	4.0 - 9.0 % of mass 174	6.5 (6.9) 1
176	93.0 - 101.0% of mass 174	92.4 (97.6) 1
177	5.0 - 9.0% of mass 176	5.9 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 200-36047/3	ckr003.d	03/30/2012	16:32
	IC 200-36047/4	ckr004.d	03/30/2012	17:22
	IC 200-36047/5	ckr005.d	03/30/2012	18:12
	IC 200-36047/6	ckr006.d	03/30/2012	19:02
	ICIS 200-36047/7	ckr007.d	03/30/2012	19:52
	IC 200-36047/8	ckr008.d	03/30/2012	20:41
	IC 200-36047/9	ckr009.d	03/30/2012	21:30
	IC 200-36047/10	ckr010.d	03/30/2012	22:20
	ICV 200-36047/13	ckr013.d	03/31/2012	00:49

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Lab File ID: ckrj001.d BFB Injection Date: 04/12/2012
 Instrument ID: C.i BFB Injection Time: 10:45
 Analysis Batch No.: 36845

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.4
75	30.0 - 66.0% of mass 95	53.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.5 (0.5) 1
174	50.0 - 120.0% of mass 95	98.1
175	4.0 - 9.0 % of mass 174	6.4 (6.6) 1
176	93.0 - 101.0% of mass 174	95.7 (97.6) 1
177	5.0 - 9.0% of mass 176	6.0 (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:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-36845/2	ckrj002.d	04/12/2012	11:36
	LCS 200-36845/3	ckrj003.d	04/12/2012	12:27
	MB 200-36845/4	ckrj004.d	04/12/2012	13:17
AS Effluent	480-18060-2	ckrj019.d	04/13/2012	01:43

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Lab File ID: ckrk001.d BFB Injection Date: 04/13/2012
 Instrument ID: C.i BFB Injection Time: 10:49
 Analysis Batch No.: 36891

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	19.2
75	30.0 - 66.0% of mass 95	54.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.1 (0.1) 1
174	50.0 - 120.0% of mass 95	96.9
175	4.0 - 9.0 % of mass 174	7.1 (7.3) 1
176	93.0 - 101.0% of mass 174	95.0 (98.1) 1
177	5.0 - 9.0% of mass 176	6.1 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 200-36891/2	ckrk002.d	04/13/2012	11:40
	LCS 200-36891/3	ckrk003.d	04/13/2012	12:38
	MB 200-36891/4	ckrk004.d	04/13/2012	13:25
LRP Effluent	480-18060-1	ckrk005.d	04/13/2012	14:15

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
SDG No.: _____
Sample No.: ICIS 200-36047/7 Date Analyzed: 03/30/2012 19:52
Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
Lab File ID (Standard): ckr007.d Heated Purge: (Y/N) N
Calibration ID: 14366

	BCM		DFB		CBZ		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	340102	11.07	1877216	12.39	1751499	16.31	
UPPER LIMIT	476143	11.40	2628102	12.72	2452099	16.64	
LOWER LIMIT	204061	10.74	1126330	12.06	1050899	15.98	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 200-36047/13		336988	11.07	1881909	12.39	1809203	16.31

BCM = Bromochloromethane
DFB = 1,4-Difluorobenzene
CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Sample No.: CCVIS 200-36845/2 Date Analyzed: 04/12/2012 11:36
 Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): ckrj002.d Heated Purge: (Y/N) N
 Calibration ID: 14366

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		260851	11.07	1404867	12.38	1342529	16.30
UPPER LIMIT		365191	11.40	1966814	12.71	1879541	16.63
LOWER LIMIT		156511	10.74	842920	12.05	805517	15.97
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-36845/3		278676	11.07	1516824	12.38	1443648	16.31
MB 200-36845/4		267970	11.07	1533738	12.38	1352043	16.31
480-18060-2		219387	11.06	1207835	12.38	1117365	16.30

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Sample No.: CCVIS 200-36891/2 Date Analyzed: 04/13/2012 11:40
 Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm)
 Lab File ID (Standard): ckrk002.d Heated Purge: (Y/N) N
 Calibration ID: 14366

		BCM		DFB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		261640	11.06	1399651	12.38	1341005	16.30
UPPER LIMIT		366296	11.39	1959511	12.71	1877407	16.63
LOWER LIMIT		156984	10.73	839791	12.05	804603	15.97
LAB SAMPLE ID		CLIENT SAMPLE ID					
LCS 200-36891/3		265235	11.06	1381045	12.38	1271197	16.30
MB 200-36891/4		254984	11.07	1460885	12.38	1304016	16.30
480-18060-1	LRP Effluent	238797	11.06	1314491	12.38	1102189	16.30

BCM = Bromochloromethane
 DFB = 1,4-Difluorobenzene
 CBZ = Chlorobenzene-d5

Area Limit = 60%-140% of internal standard area
 RT Limit = $\pm$ 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-18060-1

Matrix: Air Lab File ID: ckrk005.d

Analysis Method: TO-15 Date Collected: 04/02/2012 08:30

Sample wt/vol: 22 (mL) Date Analyzed: 04/13/2012 14:15

Soil Aliquot Vol: _____ Dilution Factor: 458

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		230	230
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		92	92
74-87-3	Chloromethane	50.49	ND		230	230
75-01-4	Vinyl chloride	62.50	1100		92	92
106-99-0	1,3-Butadiene	54.09	ND		92	92
74-83-9	Bromomethane	94.94	ND		92	92
75-00-3	Chloroethane	64.52	ND		230	230
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		92	92
75-69-4	Trichlorofluoromethane	137.37	ND		92	92
76-13-1	Freon TF	187.38	ND		92	92
75-35-4	1,1-Dichloroethene	96.94	110		92	92
67-64-1	Acetone	58.08	ND		2300	2300
67-63-0	Isopropyl alcohol	60.10	ND		2300	2300
75-15-0	Carbon disulfide	76.14	ND		230	230
107-05-1	3-Chloropropene	76.53	ND		230	230
75-09-2	Methylene Chloride	84.93	ND		230	230
75-65-0	tert-Butyl alcohol	74.12	ND		2300	2300
1634-04-4	Methyl tert-butyl ether	88.15	ND		92	92
156-60-5	trans-1,2-Dichloroethene	96.94	100		92	92
110-54-3	n-Hexane	86.17	ND		92	92
75-34-3	1,1-Dichloroethane	98.96	340		92	92
78-93-3	Methyl Ethyl Ketone	72.11	ND		230	230
156-59-2	cis-1,2-Dichloroethene	96.94	13000		92	92
540-59-0	1,2-Dichloroethene, Total	96.94	14000		92	92
67-66-3	Chloroform	119.38	ND		92	92
109-99-9	Tetrahydrofuran	72.11	ND		2300	2300
71-55-6	1,1,1-Trichloroethane	133.41	430		92	92
110-82-7	Cyclohexane	84.16	ND		92	92
56-23-5	Carbon tetrachloride	153.81	ND		92	92
540-84-1	2,2,4-Trimethylpentane	114.23	ND		92	92
71-43-2	Benzene	78.11	ND		92	92
107-06-2	1,2-Dichloroethane	98.96	ND		92	92
142-82-5	n-Heptane	100.21	ND		92	92
79-01-6	Trichloroethene	131.39	9200		92	92
78-87-5	1,2-Dichloropropane	112.99	ND		92	92

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-18060-1

Matrix: Air Lab File ID: ckrk005.d

Analysis Method: TO-15 Date Collected: 04/02/2012 08:30

Sample wt/vol: 22 (mL) Date Analyzed: 04/13/2012 14:15

Soil Aliquot Vol: _____ Dilution Factor: 458

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		2300	2300
75-27-4	Bromodichloromethane	163.83	ND		92	92
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		92	92
108-10-1	methyl isobutyl ketone	100.16	ND		230	230
108-88-3	Toluene	92.14	ND		92	92
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		92	92
79-00-5	1,1,2-Trichloroethane	133.41	ND		92	92
127-18-4	Tetrachloroethene	165.83	ND		92	92
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		230	230
124-48-1	Dibromochloromethane	208.29	ND		92	92
106-93-4	1,2-Dibromoethane	187.87	ND		92	92
108-90-7	Chlorobenzene	112.30	ND		92	92
100-41-4	Ethylbenzene	106.17	ND		92	92
179601-23-1	m,p-Xylene	106.17	ND		230	230
95-47-6	Xylene, o-	106.17	ND		92	92
1330-20-7	Xylene (total)	106.17	ND		92	92
100-42-5	Styrene	104.15	ND		92	92
75-25-2	Bromoform	252.75	ND		92	92
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		92	92
622-96-8	4-Ethyltoluene	120.20	ND		92	92
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		92	92
95-49-8	2-Chlorotoluene	126.59	ND		92	92
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		92	92
541-73-1	1,3-Dichlorobenzene	147.00	ND		92	92
106-46-7	1,4-Dichlorobenzene	147.00	ND		92	92
95-50-1	1,2-Dichlorobenzene	147.00	ND		92	92
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		230	230
87-68-3	Hexachlorobutadiene	260.76	ND		92	92

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-18060-1

Matrix: Air Lab File ID: ckrk005.d

Analysis Method: TO-15 Date Collected: 04/02/2012 08:30

Sample wt/vol: 22 (mL) Date Analyzed: 04/13/2012 14:15

Soil Aliquot Vol: _____ Dilution Factor: 458

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		1100	1100
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		640	640
74-87-3	Chloromethane	50.49	ND		470	470
75-01-4	Vinyl chloride	62.50	2800		230	230
106-99-0	1,3-Butadiene	54.09	ND		200	200
74-83-9	Bromomethane	94.94	ND		360	360
75-00-3	Chloroethane	64.52	ND		600	600
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		400	400
75-69-4	Trichlorofluoromethane	137.37	ND		510	510
76-13-1	Freon TF	187.38	ND		700	700
75-35-4	1,1-Dichloroethene	96.94	420		360	360
67-64-1	Acetone	58.08	ND		5400	5400
67-63-0	Isopropyl alcohol	60.10	ND		5600	5600
75-15-0	Carbon disulfide	76.14	ND		710	710
107-05-1	3-Chloropropene	76.53	ND		720	720
75-09-2	Methylene Chloride	84.93	ND		800	800
75-65-0	tert-Butyl alcohol	74.12	ND		6900	6900
1634-04-4	Methyl tert-butyl ether	88.15	ND		330	330
156-60-5	trans-1,2-Dichloroethene	96.94	410		360	360
110-54-3	n-Hexane	86.17	ND		320	320
75-34-3	1,1-Dichloroethane	98.96	1400		370	370
78-93-3	Methyl Ethyl Ketone	72.11	ND		680	680
156-59-2	cis-1,2-Dichloroethene	96.94	53000		360	360
540-59-0	1,2-Dichloroethene, Total	96.94	54000		360	360
67-66-3	Chloroform	119.38	ND		450	450
109-99-9	Tetrahydrofuran	72.11	ND		6800	6800
71-55-6	1,1,1-Trichloroethane	133.41	2300		500	500
110-82-7	Cyclohexane	84.16	ND		320	320
56-23-5	Carbon tetrachloride	153.81	ND		580	580
540-84-1	2,2,4-Trimethylpentane	114.23	ND		430	430
71-43-2	Benzene	78.11	ND		290	290
107-06-2	1,2-Dichloroethane	98.96	ND		370	370
142-82-5	n-Heptane	100.21	ND		380	380
79-01-6	Trichloroethene	131.39	50000		490	490
78-87-5	1,2-Dichloropropane	112.99	ND		420	420

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: LRP Effluent Lab Sample ID: 480-18060-1

Matrix: Air Lab File ID: ckrk005.d

Analysis Method: TO-15 Date Collected: 04/02/2012 08:30

Sample wt/vol: 22 (mL) Date Analyzed: 04/13/2012 14:15

Soil Aliquot Vol: _____ Dilution Factor: 458

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		8300	8300
75-27-4	Bromodichloromethane	163.83	ND		610	610
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		420	420
108-10-1	methyl isobutyl ketone	100.16	ND		940	940
108-88-3	Toluene	92.14	ND		350	350
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		420	420
79-00-5	1,1,2-Trichloroethane	133.41	ND		500	500
127-18-4	Tetrachloroethene	165.83	ND		620	620
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		940	940
124-48-1	Dibromochloromethane	208.29	ND		780	780
106-93-4	1,2-Dibromoethane	187.87	ND		700	700
108-90-7	Chlorobenzene	112.30	ND		420	420
100-41-4	Ethylbenzene	106.17	ND		400	400
179601-23-1	m,p-Xylene	106.17	ND		990	990
95-47-6	Xylene, o-	106.17	ND		400	400
1330-20-7	Xylene (total)	106.17	ND		400	400
100-42-5	Styrene	104.15	ND		390	390
75-25-2	Bromoform	252.75	ND		950	950
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		630	630
622-96-8	4-Ethyltoluene	120.20	ND		450	450
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		450	450
95-49-8	2-Chlorotoluene	126.59	ND		470	470
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		450	450
541-73-1	1,3-Dichlorobenzene	147.00	ND		550	550
106-46-7	1,4-Dichlorobenzene	147.00	ND		550	550
95-50-1	1,2-Dichlorobenzene	147.00	ND		550	550
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1700	1700
87-68-3	Hexachlorobutadiene	260.76	ND		980	980

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-18060-1
 Client Smp ID: LRP Effluent
 Inj Date : 13-APR-2012 14:15
 Operator : pad Inst ID: C.i
 Smp Info : 480-18060-A-1
 Misc Info : 22,458, all74 cdf50.38
 Comment :
 Method : /chem/C.i/Csvr.p/ckrkto15.b/to15v5.m
 Meth Date : 14-Apr-2012 18:03 wrd Quant Type: ISTD
 Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
 Als bottle: 1
 Dil Factor: 458.00000
 Integrator: HP RTE Compound Sublist: all74.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	458.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	22.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	=====	==	=====	=====	=====	=====	=====
2 Dichlorodifluoromethane	85					Compound Not Detected.		
3 Chlorodifluoromethane	51					Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85					Compound Not Detected.		
5 Chloromethane	50					Compound Not Detected.		
6 Butane	43					Compound Not Detected.		
7 Vinyl chloride	62		5.767	5.762	(0.521)	47987	2.36419	1100
8 1,3-Butadiene	54					Compound Not Detected.		
9 Bromomethane	94					Compound Not Detected.		
10 Chloroethane	64		6.690	6.690	(0.605)	3137	0.29062	130(aQ)
12 Vinyl bromide	106					Compound Not Detected.		
13 Trichlorofluoromethane	101					Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101					Compound Not Detected.		
19 1,1-Dichloroethene	96		8.062	8.057	(0.729)	4761	0.23120	110(QM)
20 Acetone	43					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
21 Carbon disulfide	76				Compound Not Detected.		
22 Isopropanol	45				Compound Not Detected.		
23 Allyl chloride	41				Compound Not Detected.		
25 Methylene chloride	49				Compound Not Detected.		
26 Tert-butyl alcohol	59				Compound Not Detected.		
27 Methyl tert-butyl ether	73				Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	7865	0.22463	100(M)
30 n-Hexane	57				Compound Not Detected.		
31 1,1-Dichloroethane	63	9.892	9.903	(0.894)	32507	0.74449	340
M 33 1,2-Dichloroethene, Total	61				746029	29.6034	14000
34 1,2-Dichloroethene (cis)	96	10.720	10.725	(0.969)	738164	29.3788	13000
36 Methyl Ethyl Ketone	72				Compound Not Detected.		
* 37 Bromochloromethane	128	11.061	11.072	(1.000)	238797	10.0000	(Q)
38 Tetrahydrofuran	42				Compound Not Detected.		
39 Chloroform	83				Compound Not Detected.		
40 Cyclohexane	84				Compound Not Detected.		
41 1,1,1-Trichloroethane	97	11.392	11.403	(0.920)	67597	0.93985	430
42 Carbon tetrachloride	117				Compound Not Detected.		
43 2,2,4-Trimethylpentane	57				Compound Not Detected.		
44 Benzene	78				Compound Not Detected.		
45 1,2-Dichloroethane	62				Compound Not Detected.		
46 n-Heptane	43				Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	12.379	12.390	(1.000)	1314491	10.0000	
49 Trichloroethene	95	12.753	12.758	(1.030)	793211	20.1274	9200
50 1,2-Dichloropropane	63				Compound Not Detected.		
51 Methyl methacrylate	69				Compound Not Detected.		
53 1,4-Dioxane	88				Compound Not Detected.		
54 Bromodichloromethane	83				Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75				Compound Not Detected.		
56 Methyl isobutyl ketone	43				Compound Not Detected.		
58 Toluene	92	14.498	14.498	(0.889)	4678	0.09465	43(a)
59 1,3-Dichloropropene (trans)	75				Compound Not Detected.		
60 1,1,2-Trichloroethane	83				Compound Not Detected.		
61 Tetrachloroethene	166				Compound Not Detected.		
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	16.302	16.313	(1.000)	1102189	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		

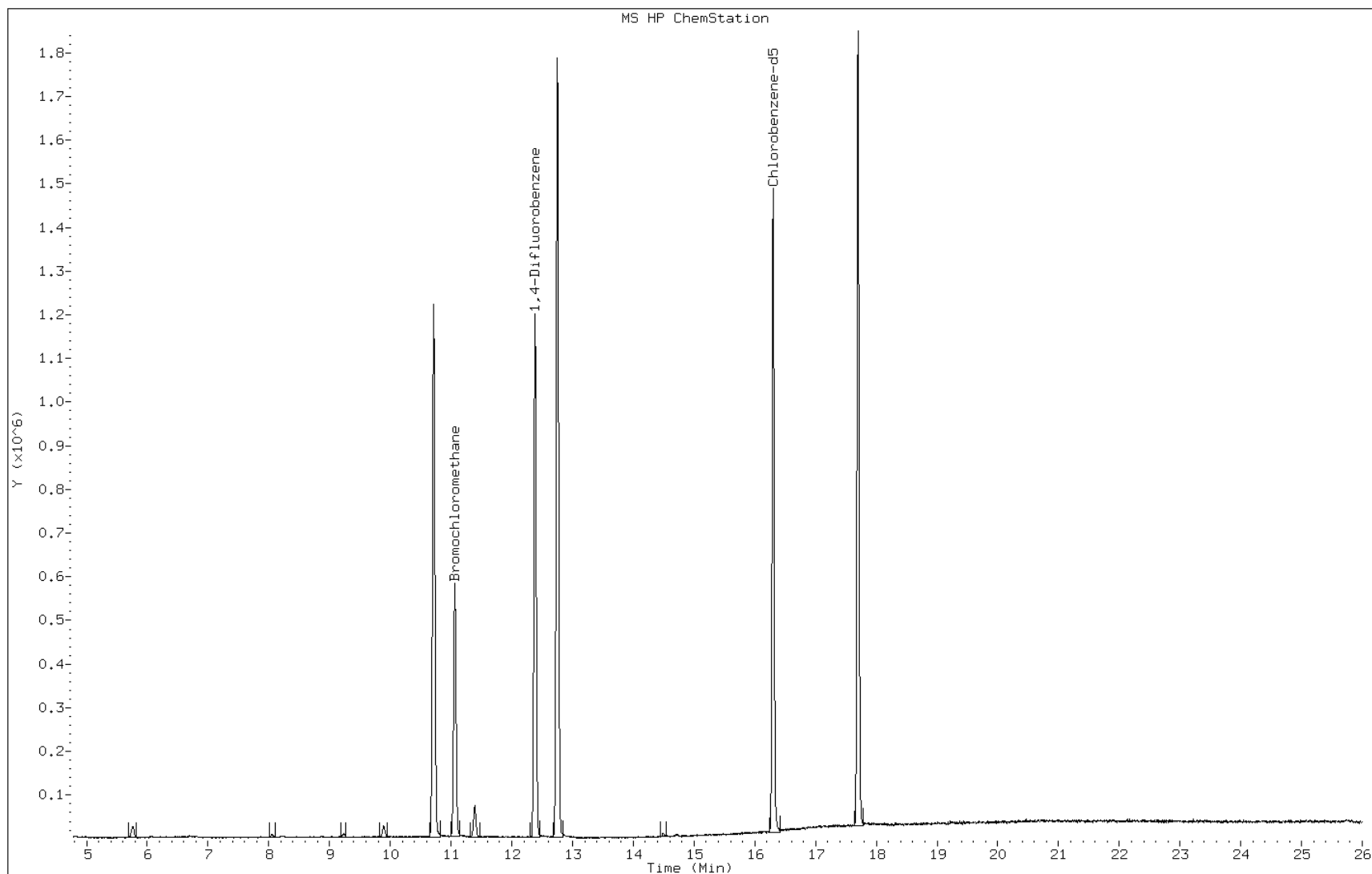
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	=====	=====
76 n-Propylbenzene	91		Compound	Not	Detected.				
79 4-Ethyltoluene	105		Compound	Not	Detected.				
80 2-Chlorotoluene	91		Compound	Not	Detected.				
81 1,3,5-Trimethylbenzene	105		Compound	Not	Detected.				
83 tert-butylbenzene	119		Compound	Not	Detected.				
84 1,2,4-Trimethylbenzene	105		Compound	Not	Detected.				
85 sec-Butylbenzene	105		Compound	Not	Detected.				
86 4-Isopropyltoluene	119		Compound	Not	Detected.				
87 1,3-Dichlorobenzene	146		Compound	Not	Detected.				
88 1,4-Dichlorobenzene	146		Compound	Not	Detected.				
89 Benzyl chloride	91		Compound	Not	Detected.				
91 n-Butylbenzene	91		Compound	Not	Detected.				
92 1,2-Dichlorobenzene	146		Compound	Not	Detected.				
94 1,2,4-Trichlorobenzene	180		Compound	Not	Detected.				
95 1,3-Hexachlorobutadiene	225		Compound	Not	Detected.				
96 Naphthalene	128		Compound	Not	Detected.				

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: ckrk005.d
Client ID: LRP Effluent
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-18060-A-1
Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

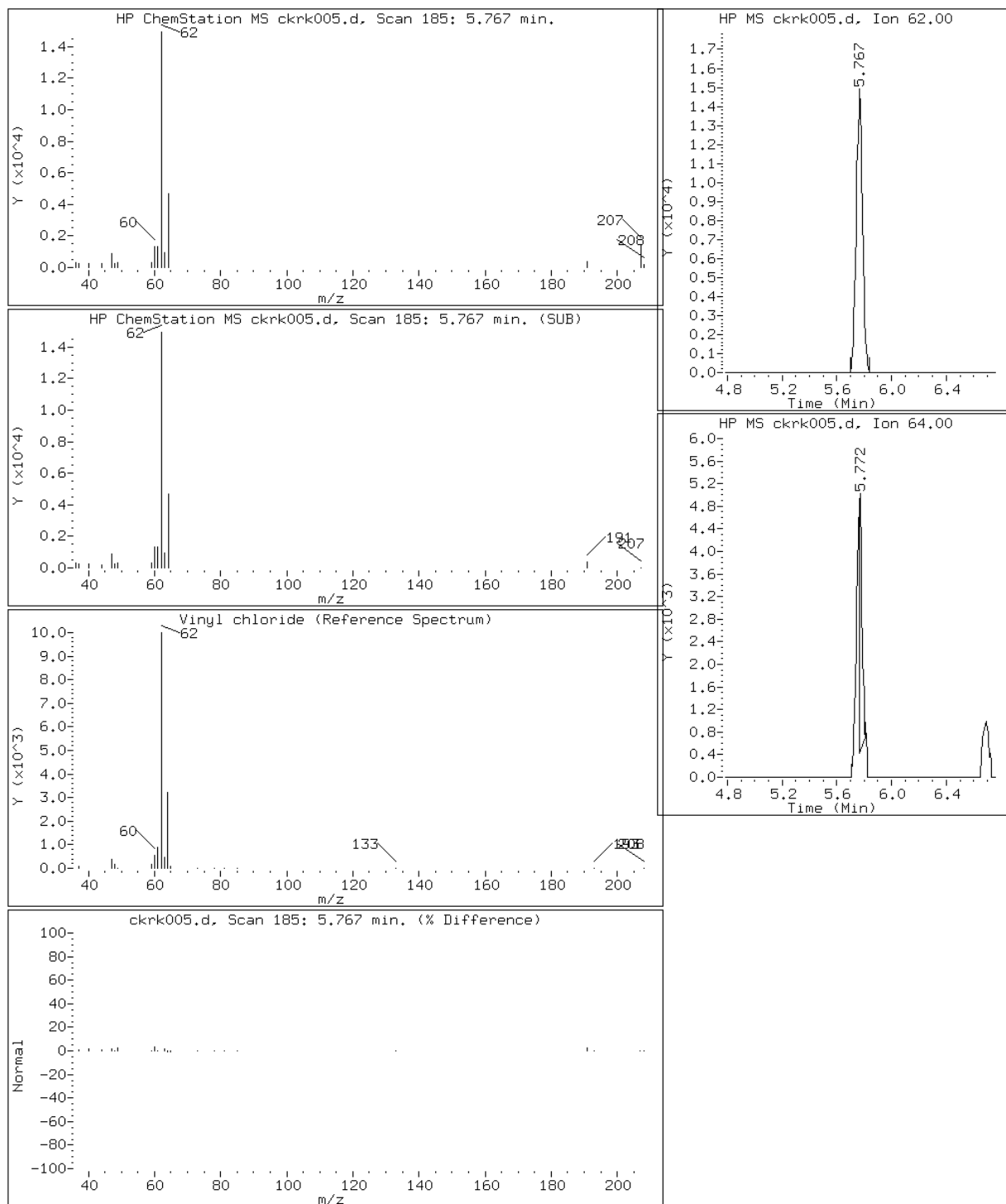
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

7 Vinyl chloride



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

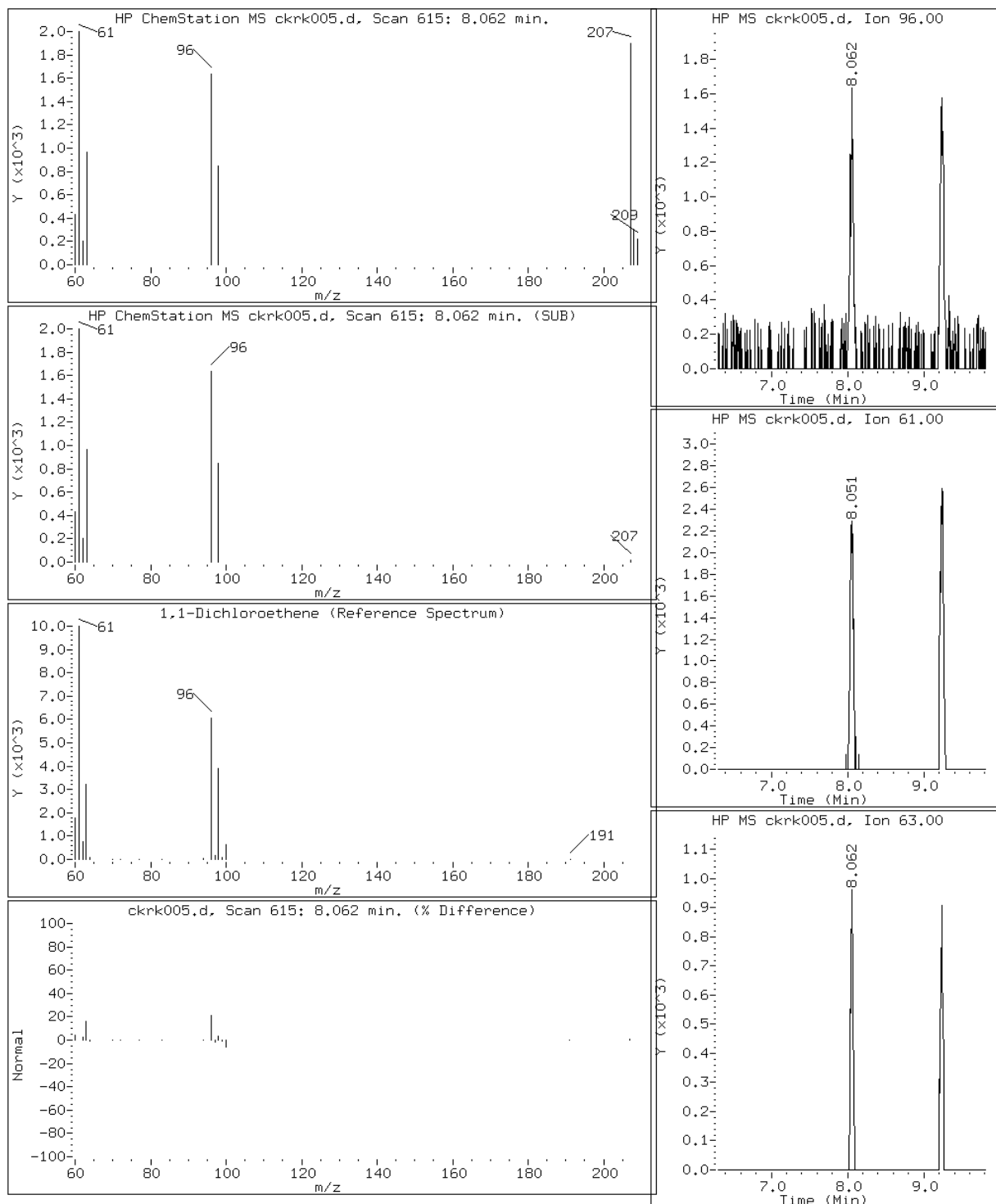
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

19 1,1-Dichloroethene



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

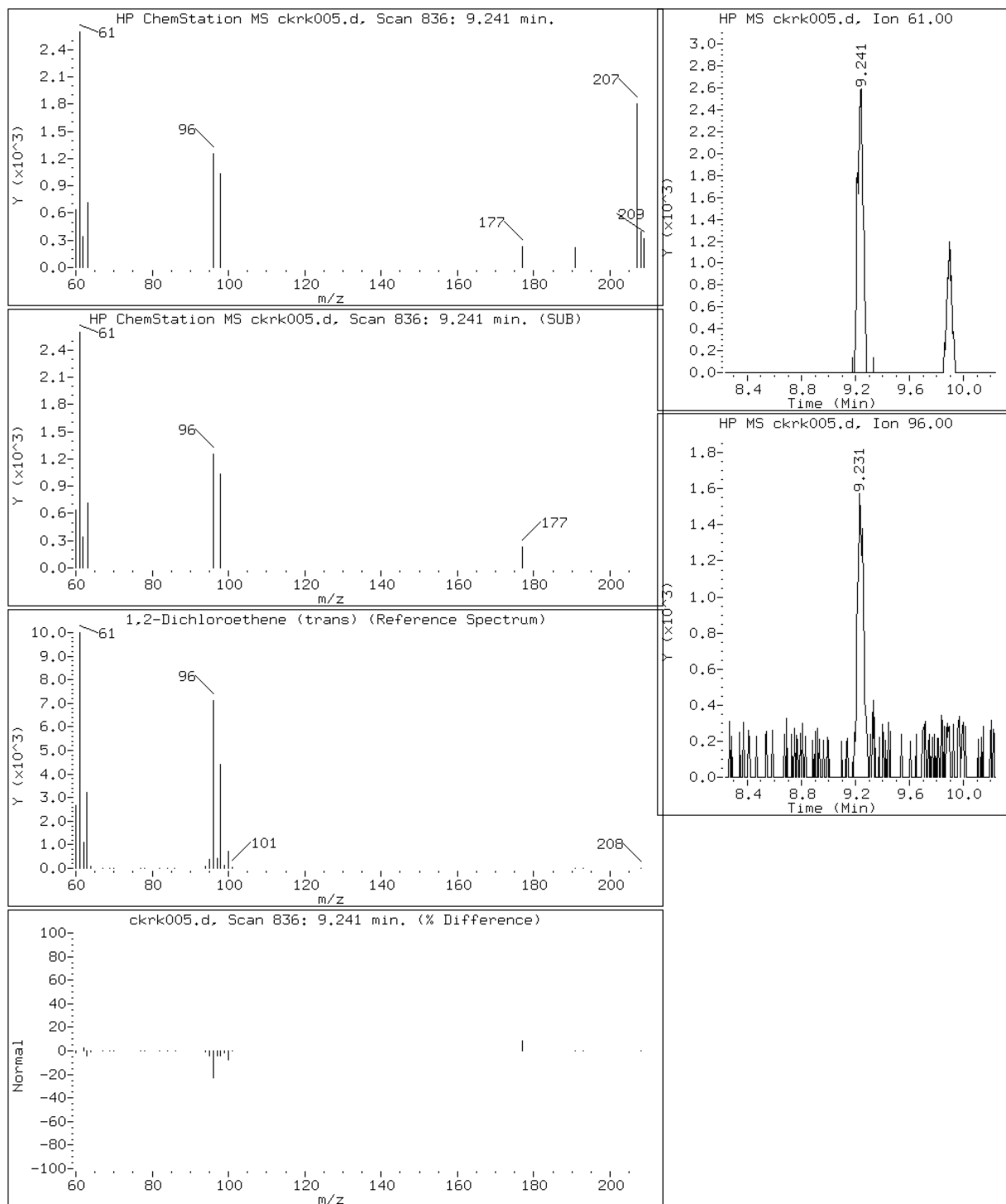
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

28 1,2-Dichloroethene (trans)



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

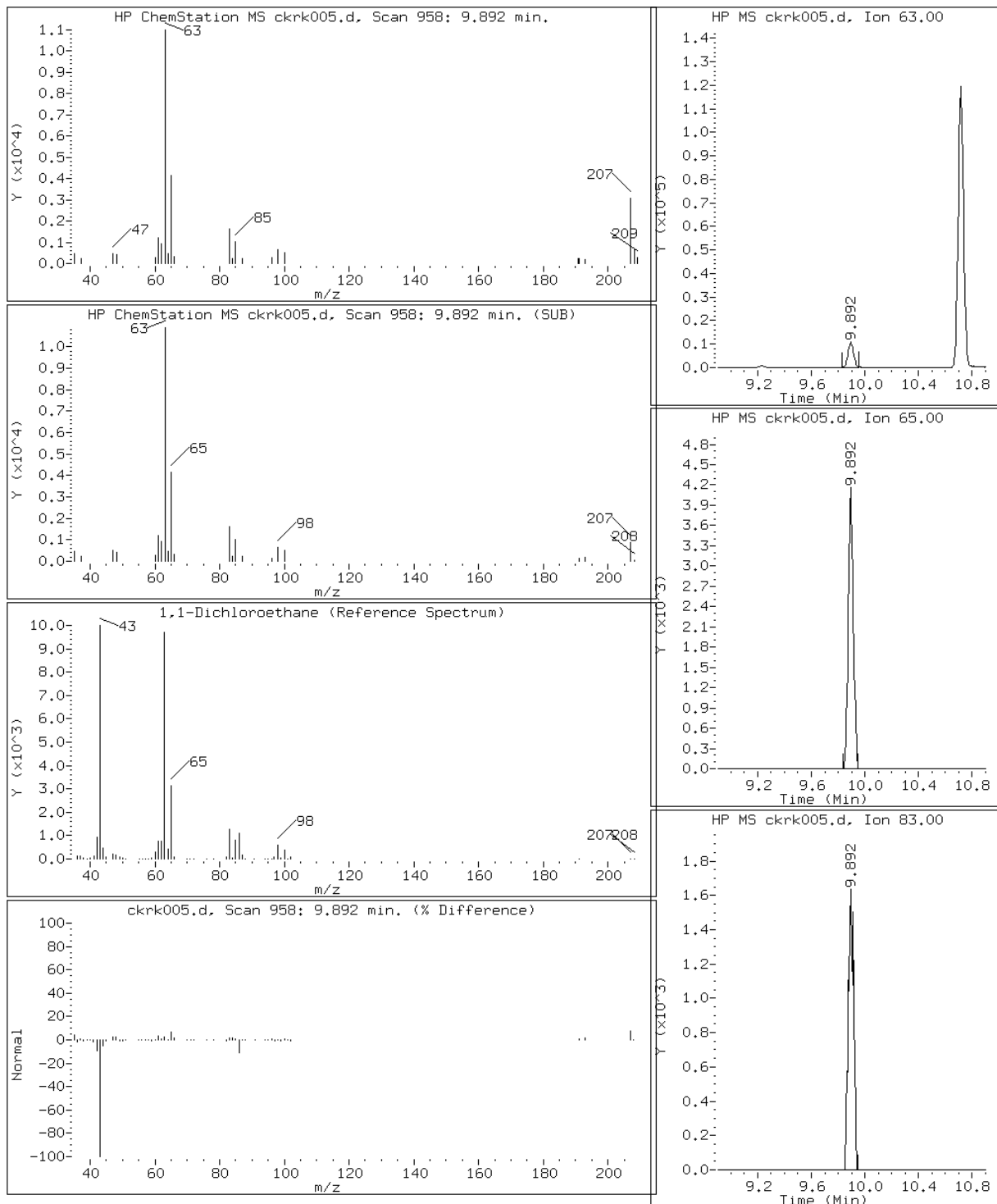
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

31 1,1-Dichloroethane



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

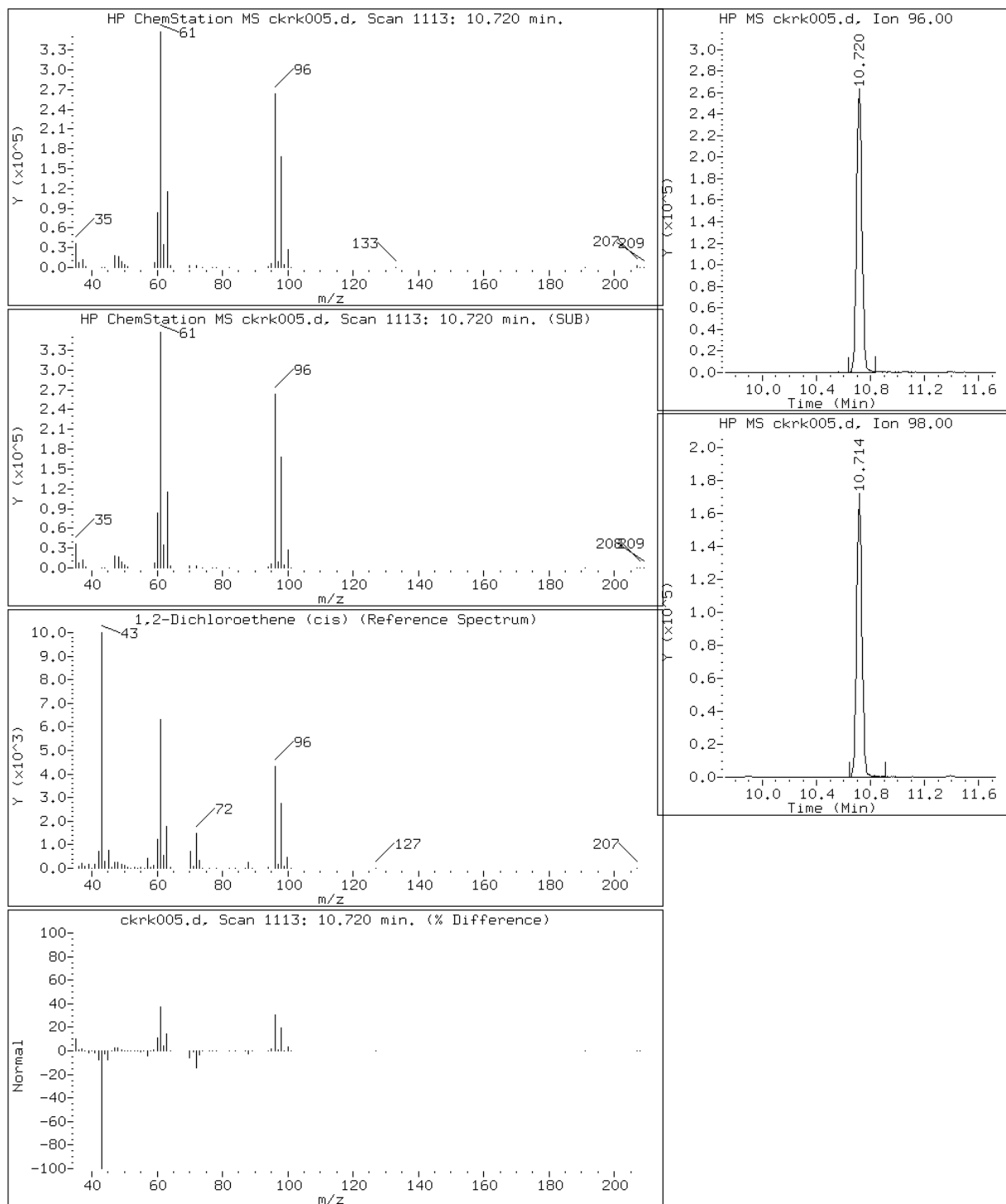
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

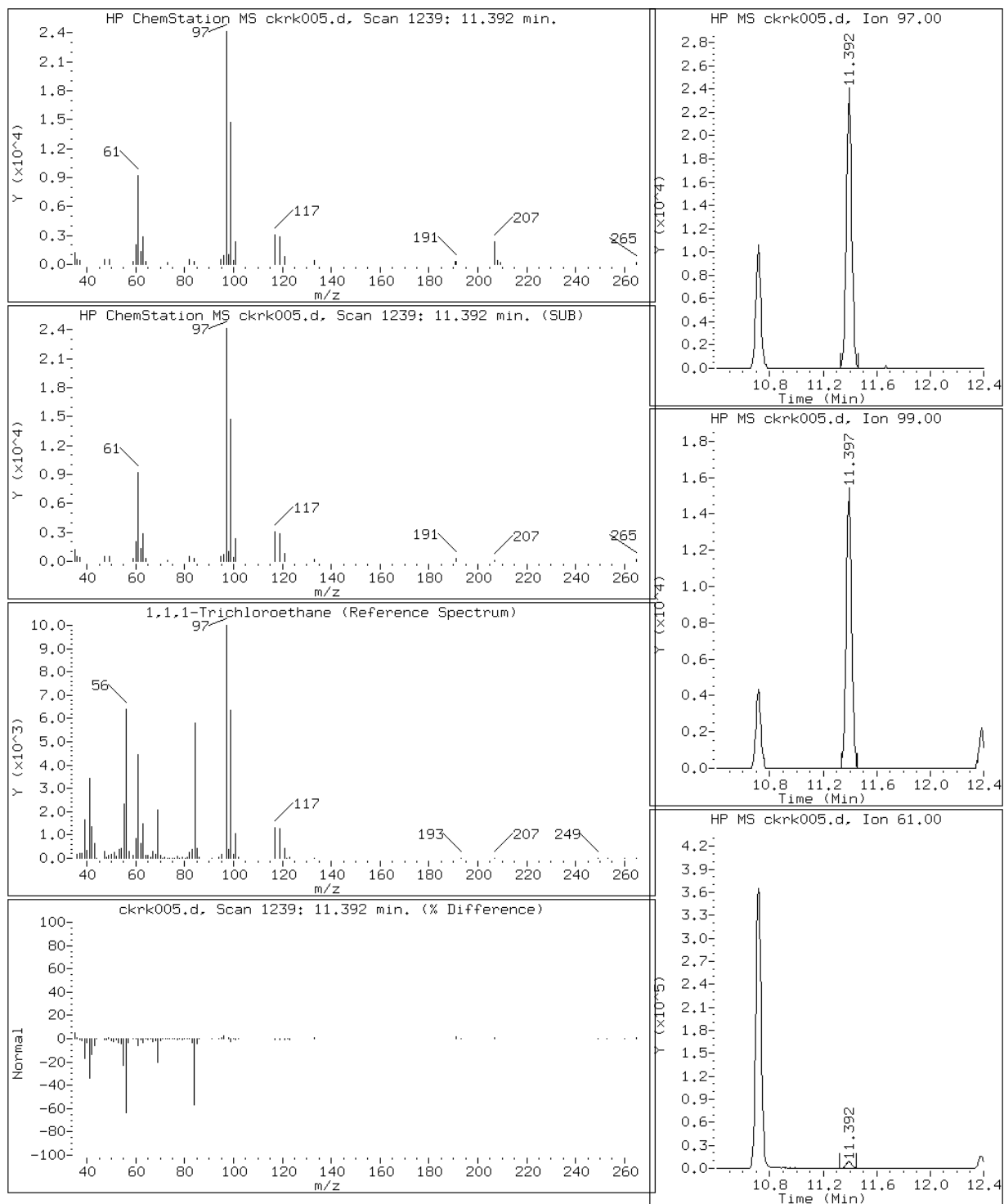
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

41 1,1,1-Trichloroethane



Data File: ckrk005.d

Lab Sample ID: 480-18060-1

Date: 13-APR-2012 14:15

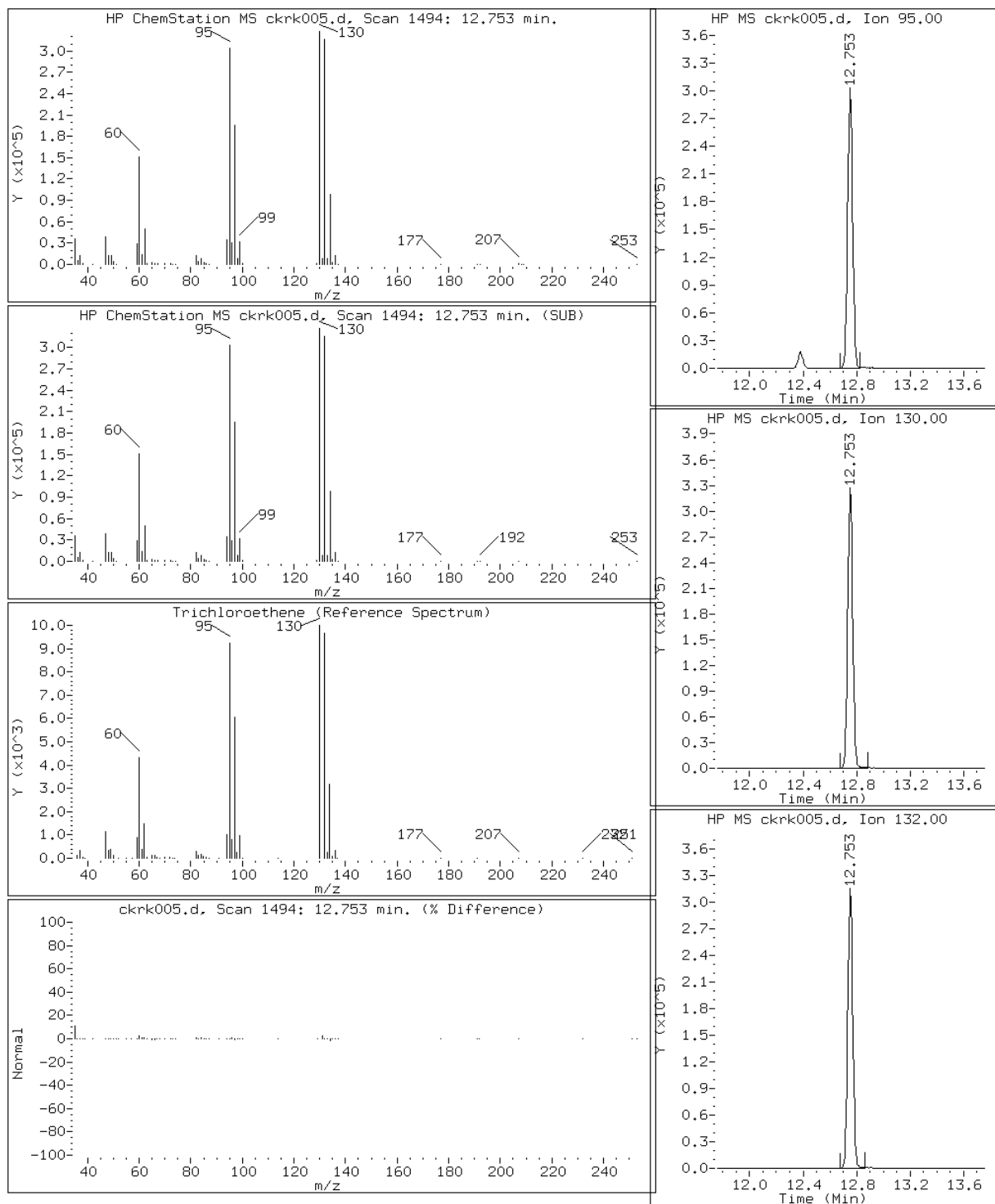
Client ID: LRP Effluent

Instrument: C.i

Sample Info: 480-18060-A-1

Operator: pad

49 Trichloroethene

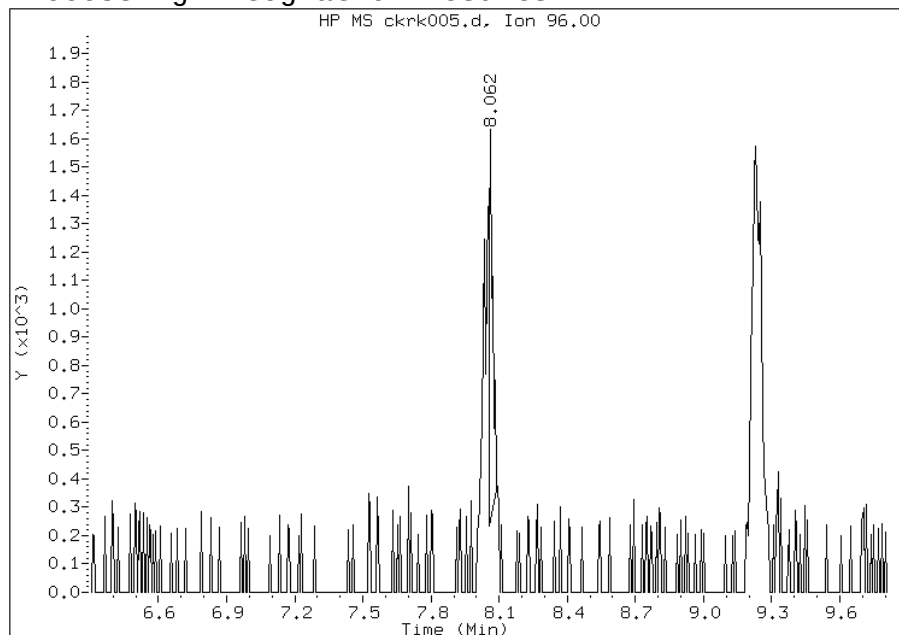


Manual Integration Report

Data File: ckrk005.d
Lab Sample ID: 480-18060-1
Inj. Date and Time: 13-APR-2012 14:15
Instrument ID: C.i
Client ID: LRP Effluent
Compound: 19 1,1-Dichloroethene
CAS #: 75-35-4
Report Date: 04/14/2012

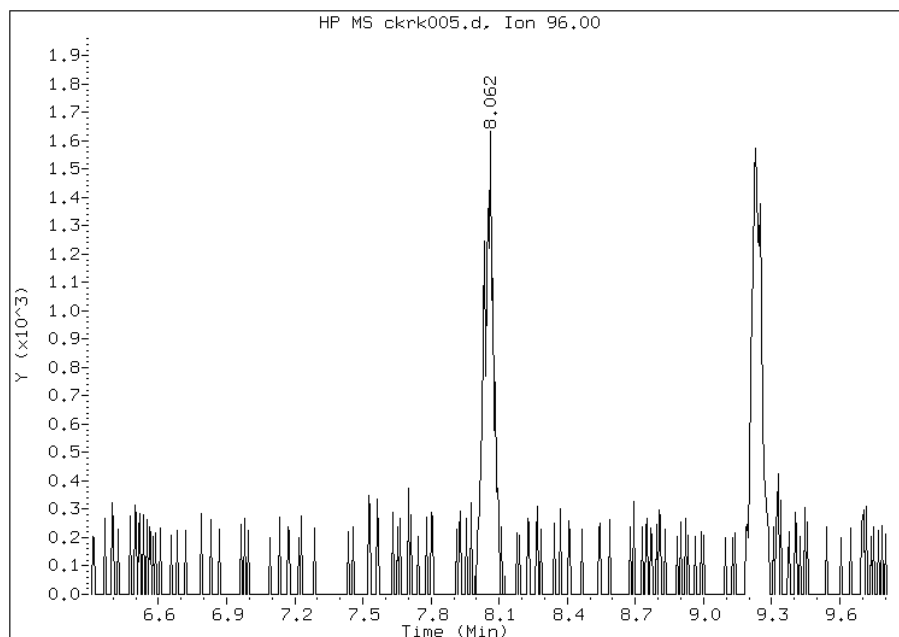
Processing Integration Results

RT: 8.06
Response: 1475
Amount: 0.071673
Conc: 32.83



Manual Integration Results

RT: 8.06
Response: 4761
Amount: 0.231200
Conc: 105.89



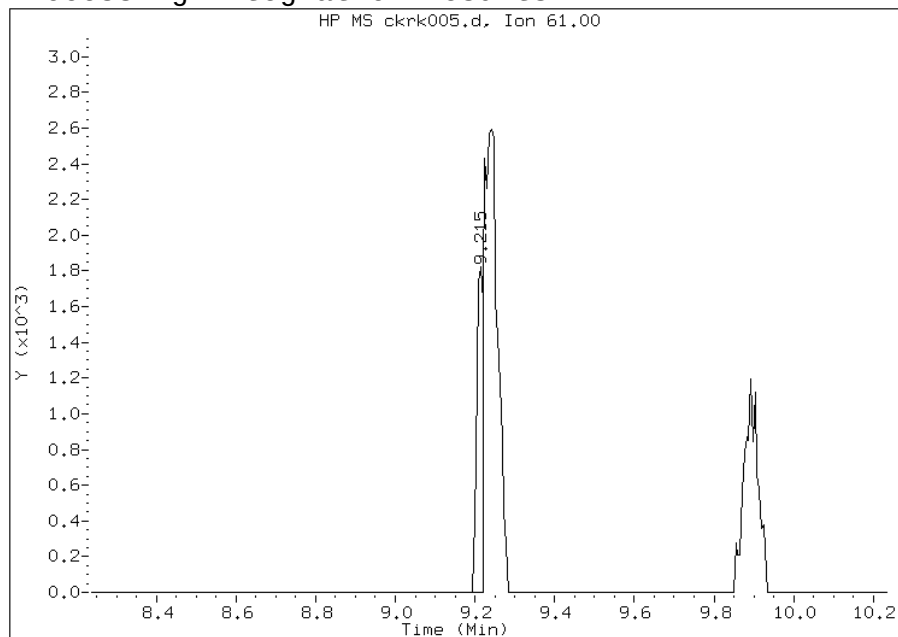
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckrk005.d
Lab Sample ID: 480-18060-1
Inj. Date and Time: 13-APR-2012 14:15
Instrument ID: C.i
Client ID: LRP Effluent
Compound: 28 1,2-Dichloroethene (trans)
CAS #: 156-60-5
Report Date: 04/14/2012

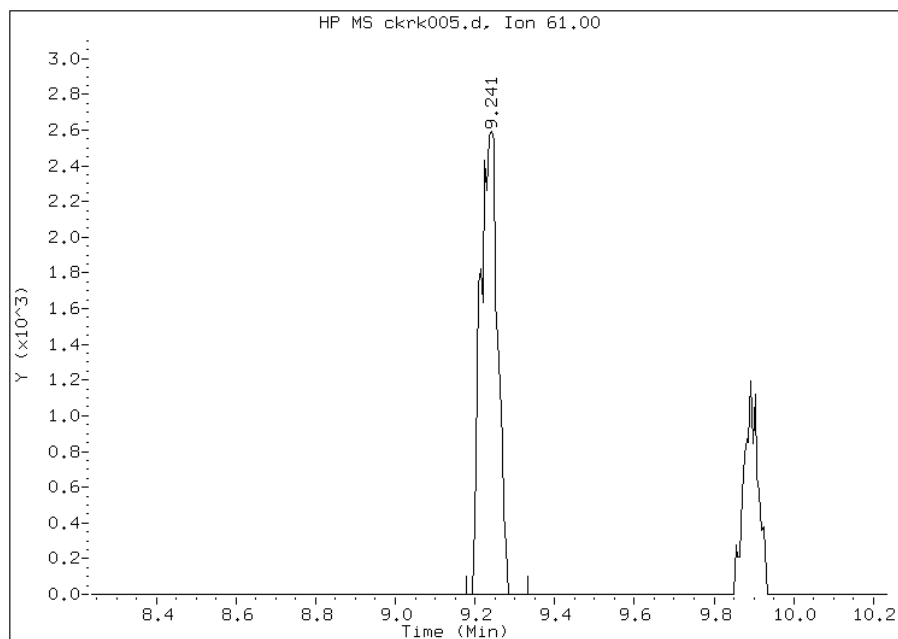
Processing Integration Results

RT: 9.21
Response: 2031
Amount: 0.058006
Conc: 26.57



Manual Integration Results

RT: 9.24
Response: 7865
Amount: 0.224627
Conc: 102.88



File Uploaded By: wrd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: AS Effluent Lab Sample ID: 480-18060-2

Matrix: Air Lab File ID: ckrj019.d

Analysis Method: TO-15 Date Collected: 04/02/2012 08:30

Sample wt/vol: 29 (mL) Date Analyzed: 04/13/2012 01:43

Soil Aliquot Vol: _____ Dilution Factor: 6.9

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		3.5	3.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
74-87-3	Chloromethane	50.49	ND		3.5	3.5
75-01-4	Vinyl chloride	62.50	11		1.4	1.4
106-99-0	1,3-Butadiene	54.09	ND		1.4	1.4
74-83-9	Bromomethane	94.94	ND		1.4	1.4
75-00-3	Chloroethane	64.52	8.4		3.5	3.5
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		1.4	1.4
75-69-4	Trichlorofluoromethane	137.37	ND		1.4	1.4
76-13-1	Freon TF	187.38	ND		1.4	1.4
75-35-4	1,1-Dichloroethene	96.94	ND		1.4	1.4
67-64-1	Acetone	58.08	ND		35	35
67-63-0	Isopropyl alcohol	60.10	ND		35	35
75-15-0	Carbon disulfide	76.14	ND		3.5	3.5
107-05-1	3-Chloropropene	76.53	ND		3.5	3.5
75-09-2	Methylene Chloride	84.93	ND		3.5	3.5
75-65-0	tert-Butyl alcohol	74.12	ND		35	35
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.4	1.4
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.4	1.4
110-54-3	n-Hexane	86.17	ND		1.4	1.4
75-34-3	1,1-Dichloroethane	98.96	7.9		1.4	1.4
78-93-3	Methyl Ethyl Ketone	72.11	ND		3.5	3.5
156-59-2	cis-1,2-Dichloroethene	96.94	260		1.4	1.4
540-59-0	1,2-Dichloroethene, Total	96.94	260		1.4	1.4
67-66-3	Chloroform	119.38	ND		1.4	1.4
109-99-9	Tetrahydrofuran	72.11	ND		35	35
71-55-6	1,1,1-Trichloroethane	133.41	1.5		1.4	1.4
110-82-7	Cyclohexane	84.16	ND		1.4	1.4
56-23-5	Carbon tetrachloride	153.81	ND		1.4	1.4
540-84-1	2,2,4-Trimethylpentane	114.23	ND		1.4	1.4
71-43-2	Benzene	78.11	ND		1.4	1.4
107-06-2	1,2-Dichloroethane	98.96	ND		1.4	1.4
142-82-5	n-Heptane	100.21	ND		1.4	1.4
79-01-6	Trichloroethene	131.39	52		1.4	1.4
78-87-5	1,2-Dichloropropane	112.99	ND		1.4	1.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-18060-2
 Matrix: Air Lab File ID: ckrj019.d
 Analysis Method: TO-15 Date Collected: 04/02/2012 08:30
 Sample wt/vol: 29(mL) Date Analyzed: 04/13/2012 01:43
 Soil Aliquot Vol: _____ Dilution Factor: 6.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 36845 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		35	35
75-27-4	Bromodichloromethane	163.83	ND		1.4	1.4
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.4	1.4
108-10-1	methyl isobutyl ketone	100.16	ND		3.5	3.5
108-88-3	Toluene	92.14	ND		1.4	1.4
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.4	1.4
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.4	1.4
127-18-4	Tetrachloroethene	165.83	ND		1.4	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		3.5	3.5
124-48-1	Dibromochloromethane	208.29	ND		1.4	1.4
106-93-4	1,2-Dibromoethane	187.87	ND		1.4	1.4
108-90-7	Chlorobenzene	112.30	ND		1.4	1.4
100-41-4	Ethylbenzene	106.17	ND		1.4	1.4
179601-23-1	m,p-Xylene	106.17	ND		3.5	3.5
95-47-6	Xylene, o-	106.17	ND		1.4	1.4
1330-20-7	Xylene (total)	106.17	ND		1.4	1.4
100-42-5	Styrene	104.15	ND		1.4	1.4
75-25-2	Bromoform	252.75	ND		1.4	1.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	1.4
622-96-8	4-Ethyltoluene	120.20	ND		1.4	1.4
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1.4	1.4
95-49-8	2-Chlorotoluene	126.59	ND		1.4	1.4
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		1.4	1.4
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.4	1.4
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.4	1.4
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.4	1.4
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.5	3.5
87-68-3	Hexachlorobutadiene	260.76	ND		1.4	1.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-18060-2
 Matrix: Air Lab File ID: ckrj019.d
 Analysis Method: TO-15 Date Collected: 04/02/2012 08:30
 Sample wt/vol: 29(mL) Date Analyzed: 04/13/2012 01:43
 Soil Aliquot Vol: _____ Dilution Factor: 6.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 36845 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		17	17
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		9.6	9.6
74-87-3	Chloromethane	50.49	ND		7.1	7.1
75-01-4	Vinyl chloride	62.50	29		3.5	3.5
106-99-0	1,3-Butadiene	54.09	ND		3.1	3.1
74-83-9	Bromomethane	94.94	ND		5.4	5.4
75-00-3	Chloroethane	64.52	22		9.1	9.1
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		6.0	6.0
75-69-4	Trichlorofluoromethane	137.37	ND		7.8	7.8
76-13-1	Freon TF	187.38	ND		11	11
75-35-4	1,1-Dichloroethene	96.94	ND		5.5	5.5
67-64-1	Acetone	58.08	ND		82	82
67-63-0	Isopropyl alcohol	60.10	ND		85	85
75-15-0	Carbon disulfide	76.14	ND		11	11
107-05-1	3-Chloropropene	76.53	ND		11	11
75-09-2	Methylene Chloride	84.93	ND		12	12
75-65-0	tert-Butyl alcohol	74.12	ND		100	100
1634-04-4	Methyl tert-butyl ether	88.15	ND		5.0	5.0
156-60-5	trans-1,2-Dichloroethene	96.94	ND		5.5	5.5
110-54-3	n-Hexane	86.17	ND		4.9	4.9
75-34-3	1,1-Dichloroethane	98.96	32		5.6	5.6
78-93-3	Methyl Ethyl Ketone	72.11	ND		10	10
156-59-2	cis-1,2-Dichloroethene	96.94	1000		5.5	5.5
540-59-0	1,2-Dichloroethene, Total	96.94	1000		5.5	5.5
67-66-3	Chloroform	119.38	ND		6.7	6.7
109-99-9	Tetrahydrofuran	72.11	ND		100	100
71-55-6	1,1,1-Trichloroethane	133.41	8.3		7.5	7.5
110-82-7	Cyclohexane	84.16	ND		4.8	4.8
56-23-5	Carbon tetrachloride	153.81	ND		8.7	8.7
540-84-1	2,2,4-Trimethylpentane	114.23	ND		6.4	6.4
71-43-2	Benzene	78.11	ND		4.4	4.4
107-06-2	1,2-Dichloroethane	98.96	ND		5.6	5.6
142-82-5	n-Heptane	100.21	ND		5.7	5.7
79-01-6	Trichloroethene	131.39	280		7.4	7.4
78-87-5	1,2-Dichloropropane	112.99	ND		6.4	6.4

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Client Sample ID: AS Effluent Lab Sample ID: 480-18060-2
 Matrix: Air Lab File ID: ckrj019.d
 Analysis Method: TO-15 Date Collected: 04/02/2012 08:30
 Sample wt/vol: 29(mL) Date Analyzed: 04/13/2012 01:43
 Soil Aliquot Vol: _____ Dilution Factor: 6.9
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 36845 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		120	120
75-27-4	Bromodichloromethane	163.83	ND		9.2	9.2
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		6.3	6.3
108-10-1	methyl isobutyl ketone	100.16	ND		14	14
108-88-3	Toluene	92.14	ND		5.2	5.2
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		6.3	6.3
79-00-5	1,1,2-Trichloroethane	133.41	ND		7.5	7.5
127-18-4	Tetrachloroethene	165.83	ND		9.4	9.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		14	14
124-48-1	Dibromochloromethane	208.29	ND		12	12
106-93-4	1,2-Dibromoethane	187.87	ND		11	11
108-90-7	Chlorobenzene	112.30	ND		6.3	6.3
100-41-4	Ethylbenzene	106.17	ND		6.0	6.0
179601-23-1	m,p-Xylene	106.17	ND		15	15
95-47-6	Xylene, o-	106.17	ND		6.0	6.0
1330-20-7	Xylene (total)	106.17	ND		6.0	6.0
100-42-5	Styrene	104.15	ND		5.9	5.9
75-25-2	Bromoform	252.75	ND		14	14
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		9.5	9.5
622-96-8	4-Ethyltoluene	120.20	ND		6.8	6.8
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		6.8	6.8
95-49-8	2-Chlorotoluene	126.59	ND		7.1	7.1
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		6.8	6.8
541-73-1	1,3-Dichlorobenzene	147.00	ND		8.3	8.3
106-46-7	1,4-Dichlorobenzene	147.00	ND		8.3	8.3
95-50-1	1,2-Dichlorobenzene	147.00	ND		8.3	8.3
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		26	26
87-68-3	Hexachlorobutadiene	260.76	ND		15	15

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Lab Sample Id: 480-18060-2
Client Smp ID: AS Effluent
Inj Date : 13-APR-2012 01:43
Operator : pad
Smp Info : 480-18060-A-2
Misc Info : 29,6.90, to15all
Comment :
Method : /chem/C.i/Csvr.p/ckrjto15.b/to15v5.m
Meth Date : 13-Apr-2012 11:17 pd
Cal Date : 30-MAR-2012 22:20
Als bottle: 1
Dil Factor: 6.90000
Integrator: HP RTE
Target Version: 3.50
Processing Host: chemsvr6

Inst ID: C.i
Quant Type: ISTD
Cal File: ckr010.d
Compound Sublist: T015all.sub

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	6.90000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	29.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS					CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
2 Dichlorodifluoromethane	85						
4 1,2-Dichloro-1,1,2,2-tetraflu	85						
5 Chloromethane	50						
7 Vinyl chloride	62	5.751	5.762	(0.520)	30746	1.64879	11
8 1,3-Butadiene	54						
9 Bromomethane	94						
10 Chloroethane	64	6.674	6.690	(0.604)	12120	1.22218	8.4
12 Vinyl bromide	106						
13 Trichlorofluoromethane	101						
17 1,1,2-Trichloro-1,2,2-trifluo	101						
19 1,1-Dichloroethene	96						
20 Acetone	43	8.190	8.169	(0.741)	20873	0.69014	4.8(a)
21 Carbon disulfide	76	8.452	8.462	(0.764)	7435	0.14128	0.97(a)
22 Isopropanol	45						

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
23 Allyl chloride	41				Compound Not Detected.		
25 Methylene chloride	49				Compound Not Detected.		
26 Tert-butyl alcohol	59				Compound Not Detected.		
27 Methyl tert-butyl ether	73				Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61	9.225	9.236	(0.834)	4770	0.14829	1.0(a)
30 n-Hexane	57				Compound Not Detected.		
31 1,1-Dichloroethane	63	9.893	9.903	(0.895)	45638	1.13770	7.9
M 33 1,2-Dichloroethene, Total	61				880752	38.0968	260
34 1,2-Dichloroethene (cis)	96	10.714	10.725	(0.969)	875982	37.9485	260
36 Methyl Ethyl Ketone	72				Compound Not Detected.		
* 37 Bromochloromethane	128	11.056	11.072	(1.000)	219387	10.0000	
38 Tetrahydrofuran	42				Compound Not Detected.		
39 Chloroform	83				Compound Not Detected.		
40 Cyclohexane	84				Compound Not Detected.		
41 1,1,1-Trichloroethane	97	11.387	11.403	(0.920)	14602	0.22095	1.5(Q)
42 Carbon tetrachloride	117				Compound Not Detected.		
43 2,2,4-Trimethylpentane	57				Compound Not Detected.		
44 Benzene	78				Compound Not Detected.		
45 1,2-Dichloroethane	62				Compound Not Detected.		
46 n-Heptane	43				Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	12.380	12.390	(1.000)	1207835	10.0000	
49 Trichloroethene	95	12.748	12.758	(1.030)	274410	7.57791	52
50 1,2-Dichloropropane	63				Compound Not Detected.		
53 1,4-Dioxane	88				Compound Not Detected.		
54 Bromodichloromethane	83				Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75				Compound Not Detected.		
56 Methyl isobutyl ketone	43				Compound Not Detected.		
58 Toluene	92	14.482	14.498	(0.888)	7995	0.15957	1.1(a)
59 1,3-Dichloropropene (trans)	75				Compound Not Detected.		
60 1,1,2-Trichloroethane	83				Compound Not Detected.		
61 Tetrachloroethene	166				Compound Not Detected.		
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	16.302	16.313	(1.000)	1117365	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		

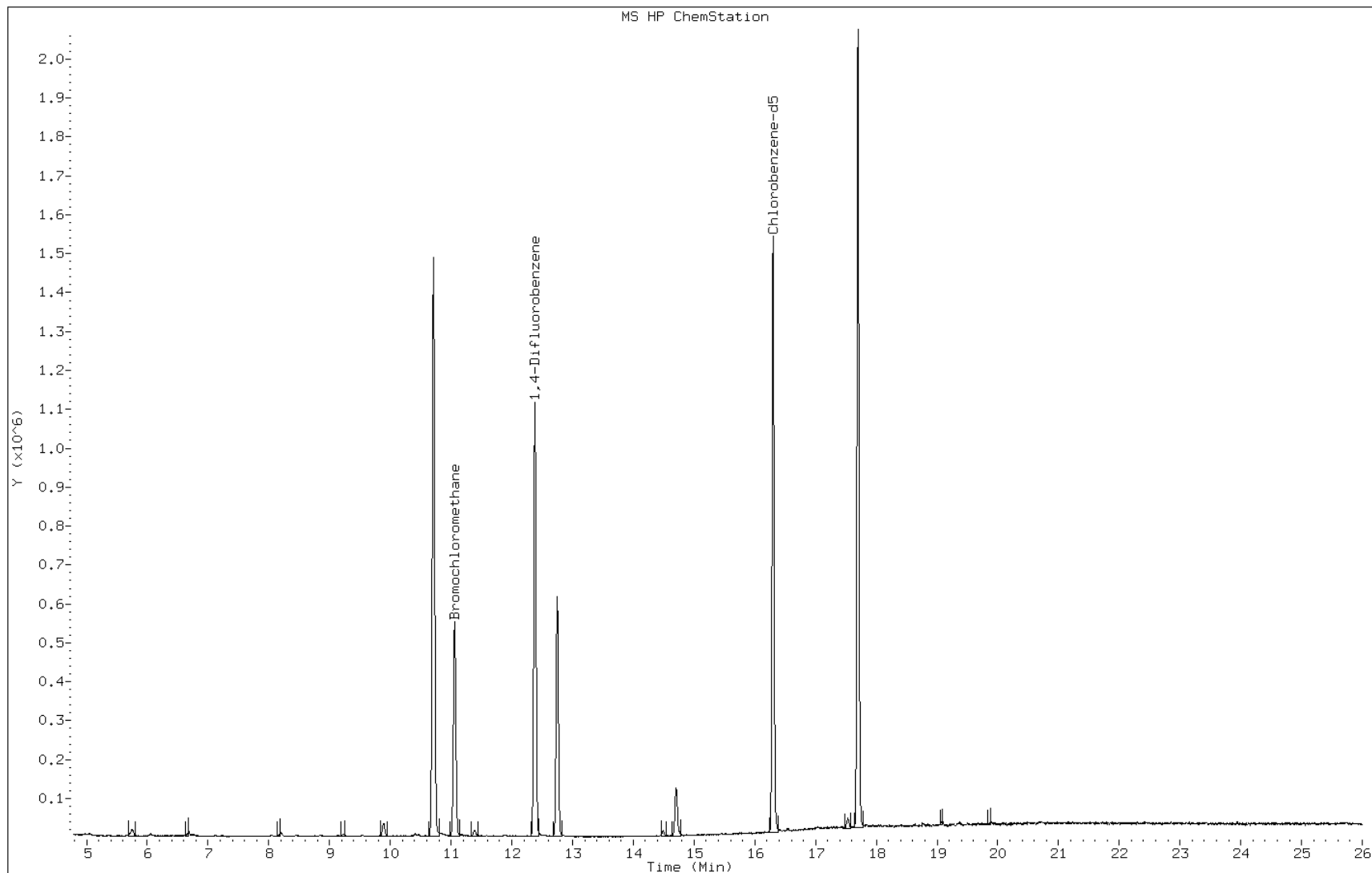
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN	FINAL
	MASS					(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.

Data File: ckrj019.d
Client ID: AS Effluent
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: 480-18060-A-2
Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



Data File: ckrj019.d

Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43

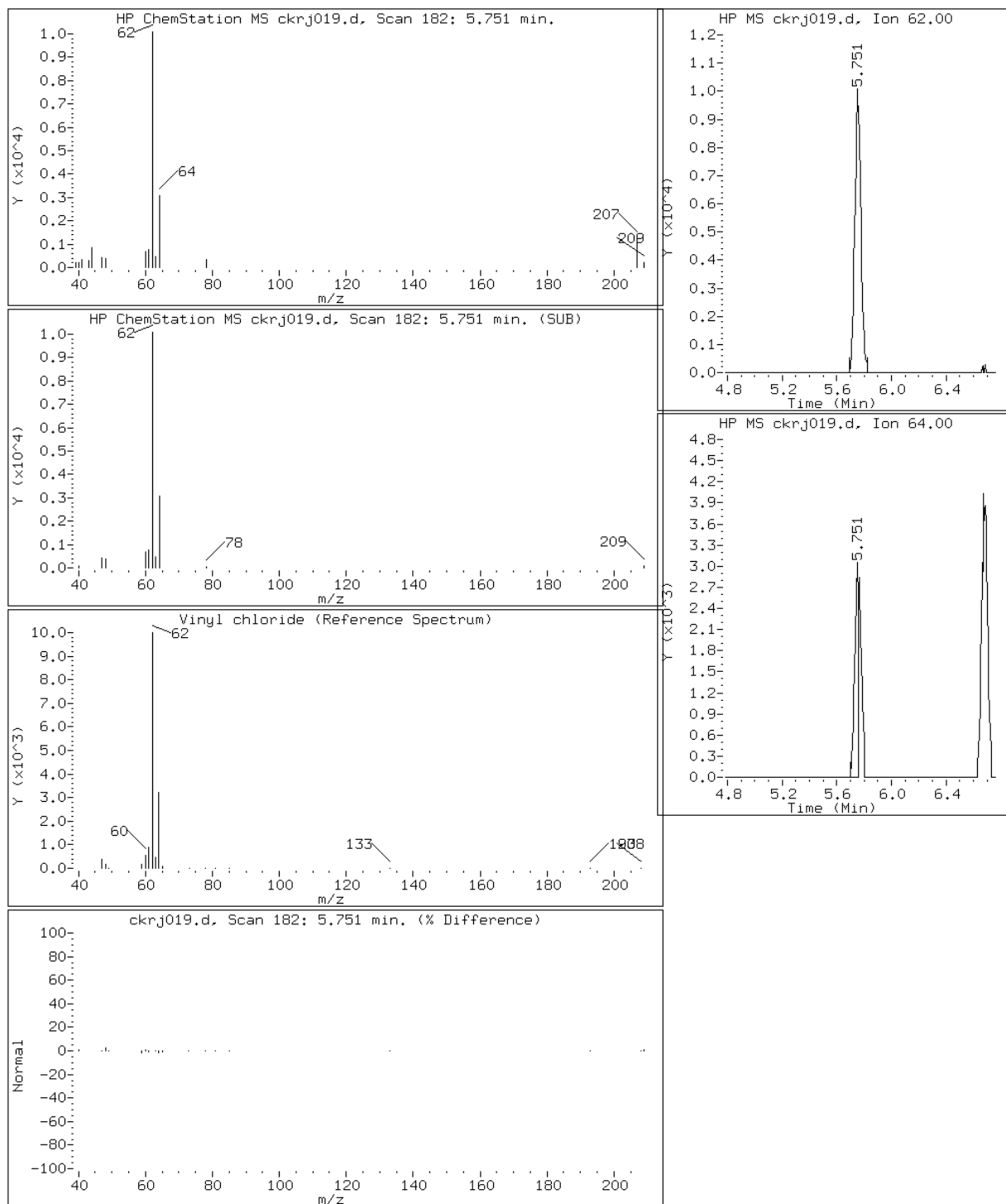
Client ID: AS Effluent

Instrument: C.i

Sample Info: 480-18060-A-2

Operator: pad

7 Vinyl chloride



Data File: ckrj019.d

Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43

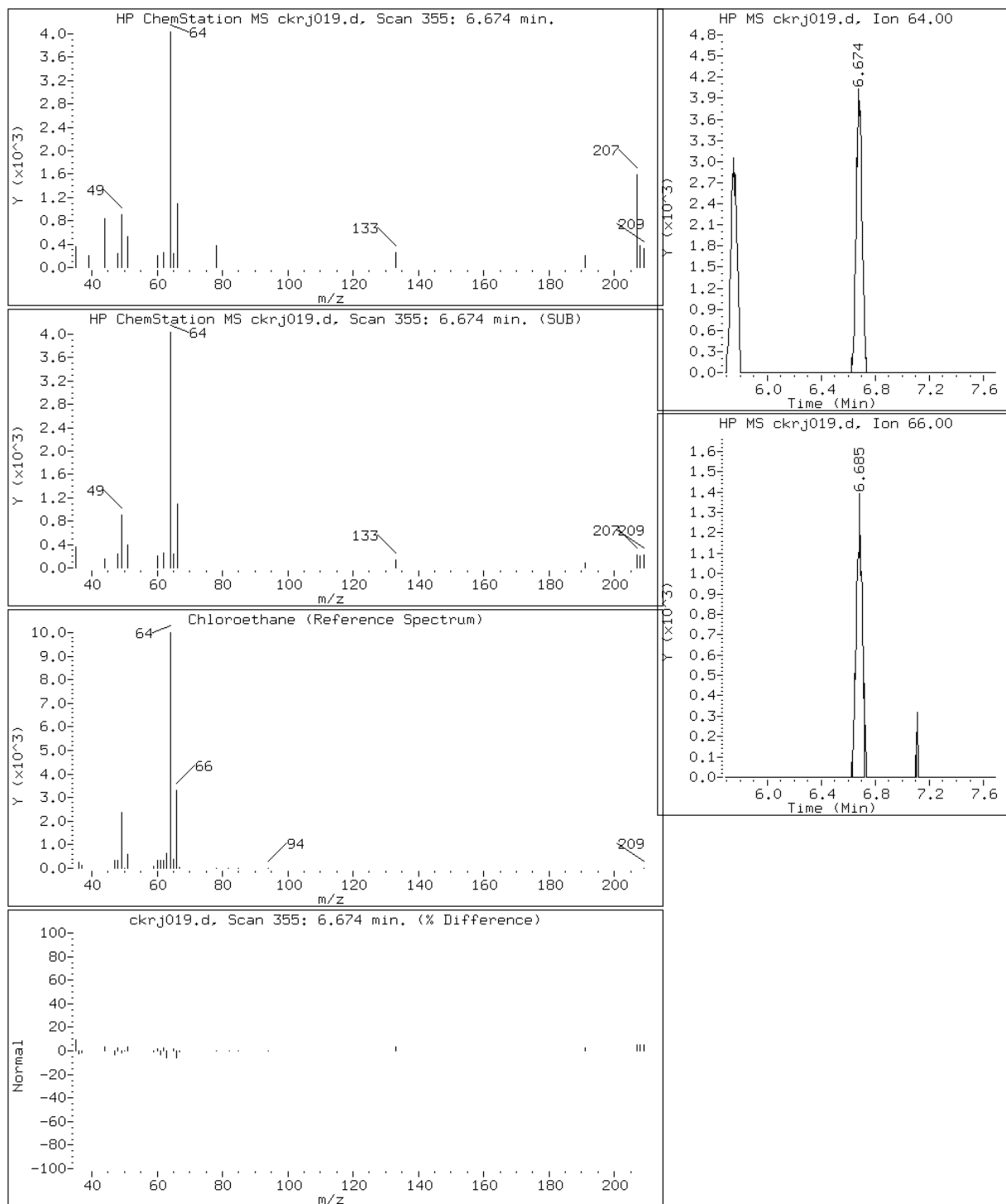
Client ID: AS Effluent

Instrument: C.i

Sample Info: 480-18060-A-2

Operator: pad

10 Chloroethane



Data File: ckrj019.d

Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43

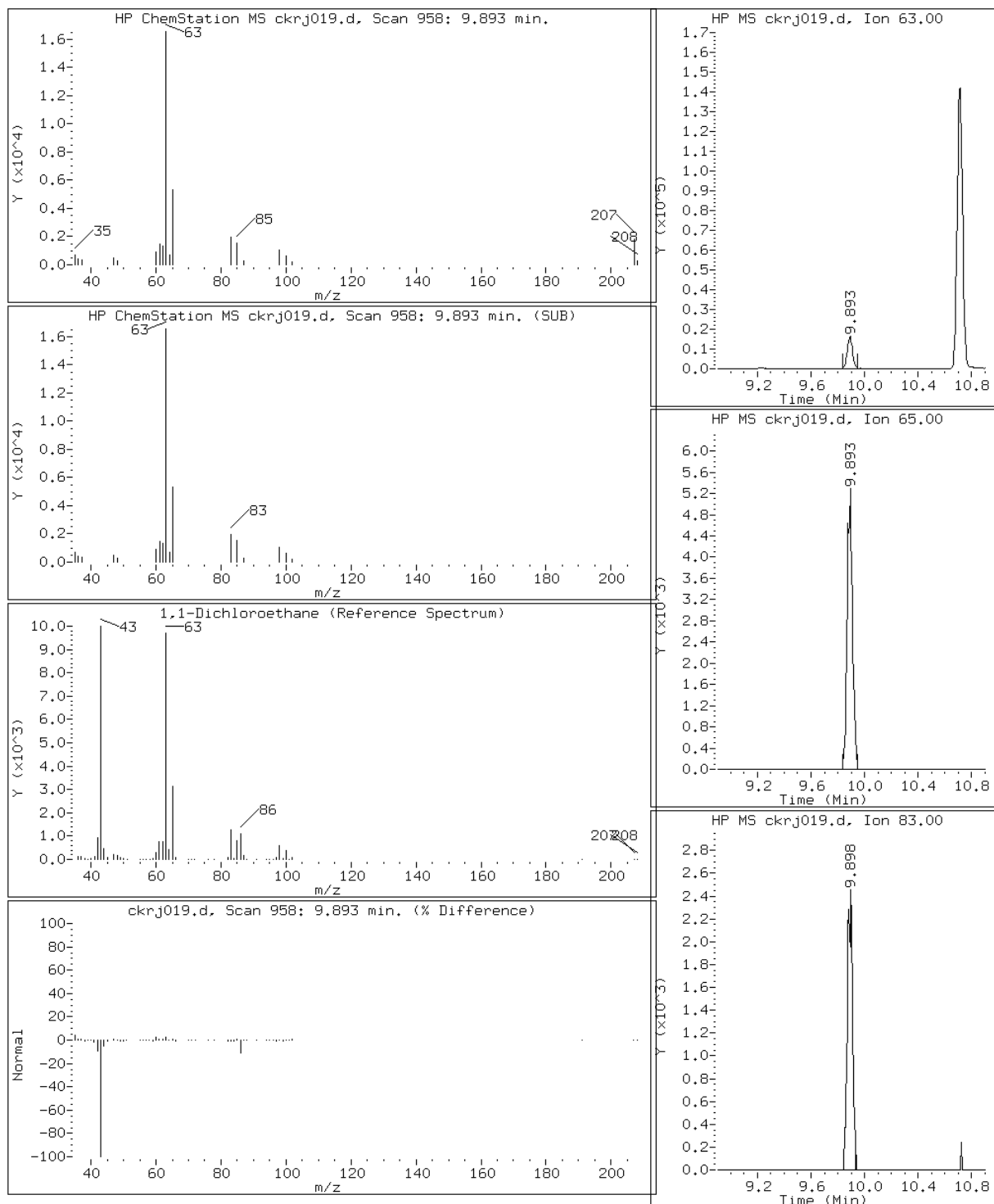
Client ID: AS Effluent

Instrument: C.i

Sample Info: 480-18060-A-2

Operator: pad

31 1,1-Dichloroethane



Data File: ckrj019.d

Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43

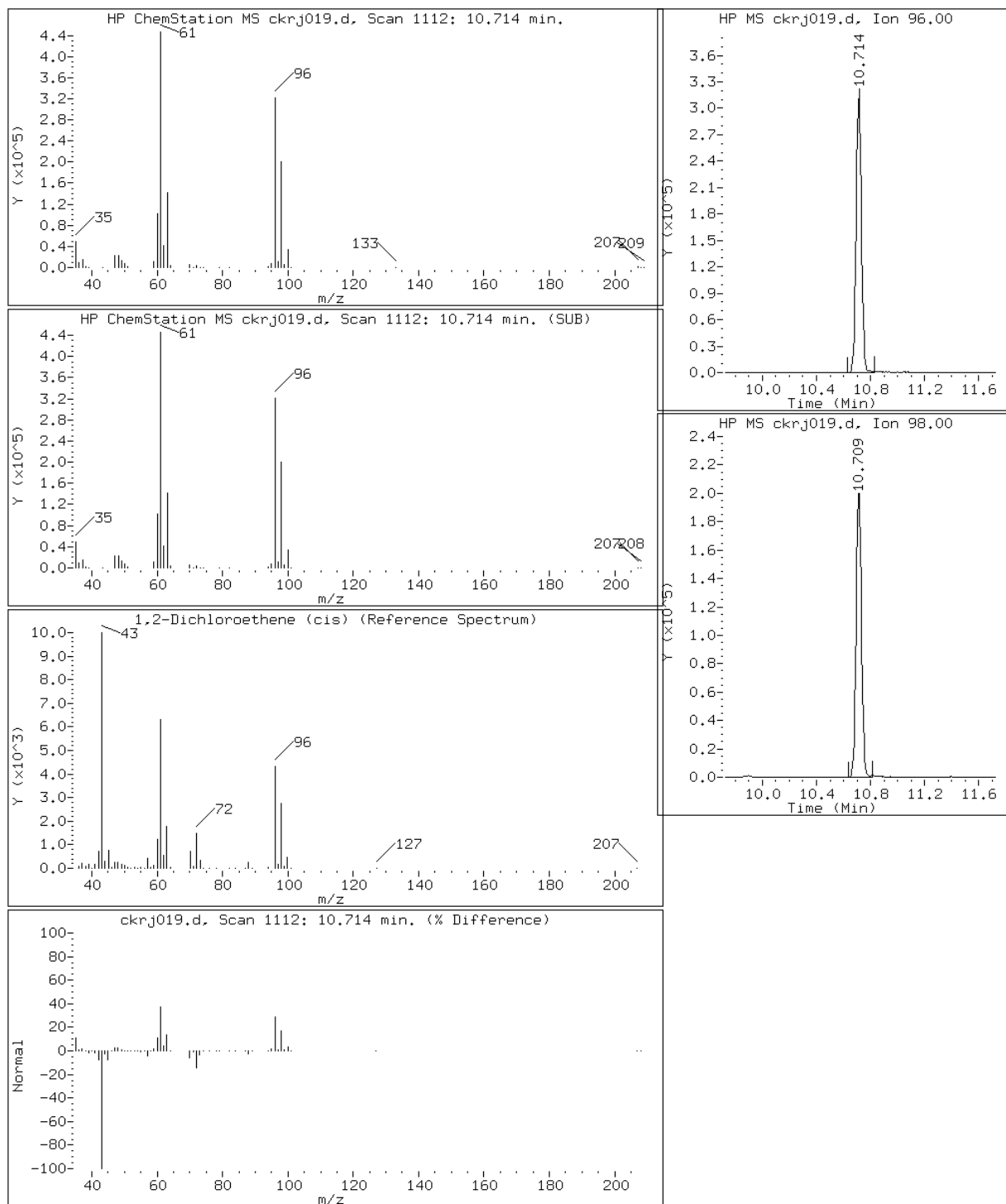
Client ID: AS Effluent

Instrument: C.i

Sample Info: 480-18060-A-2

Operator: pad

34 1,2-Dichloroethene (cis)



Data File: ckrj019.d

Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43

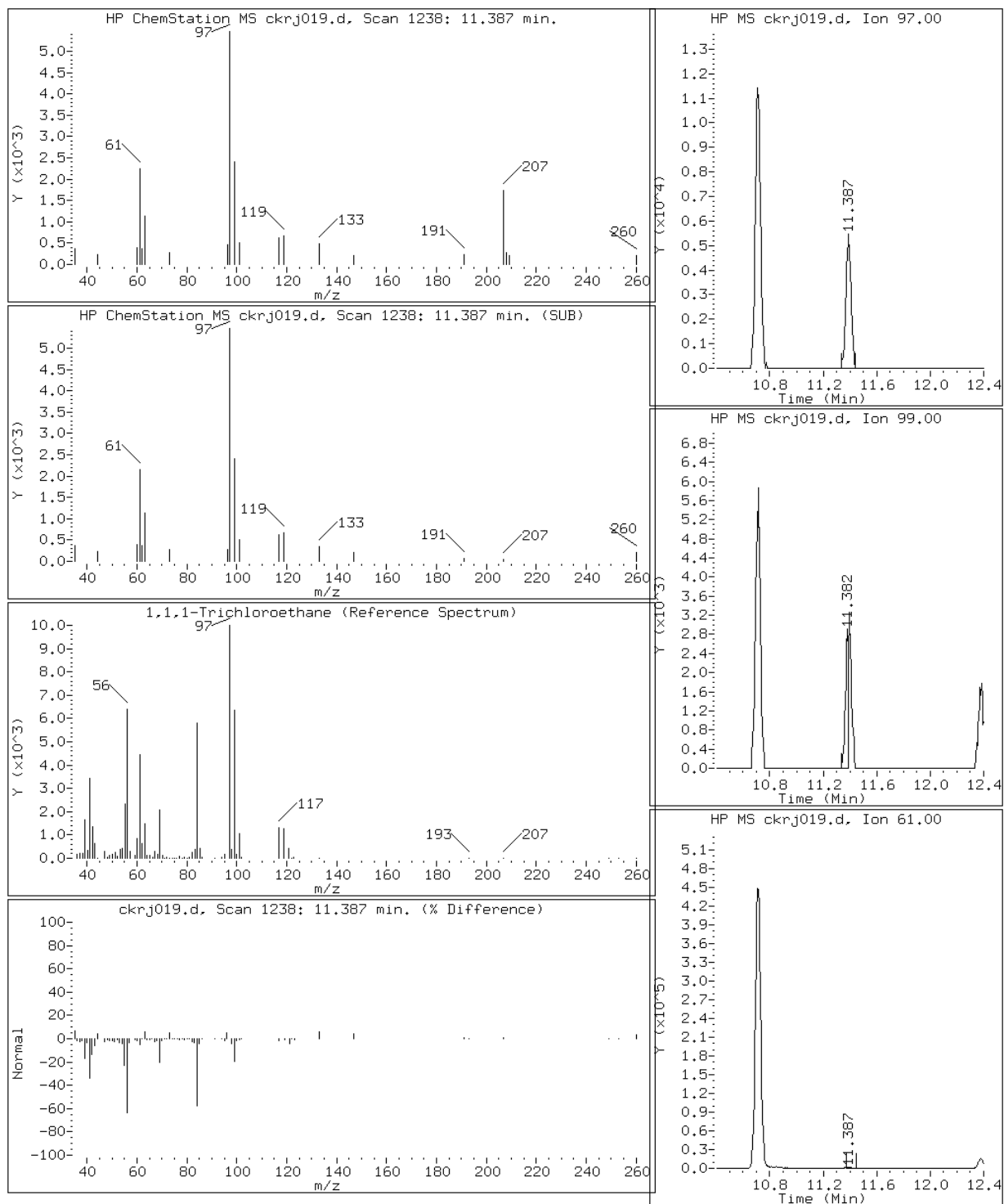
Client ID: AS Effluent

Instrument: C.i

Sample Info: 480-18060-A-2

Operator: pad

41 1,1,1-Trichloroethane



Data File: ckrj019.d

Lab Sample ID: 480-18060-2

Date: 13-APR-2012 01:43

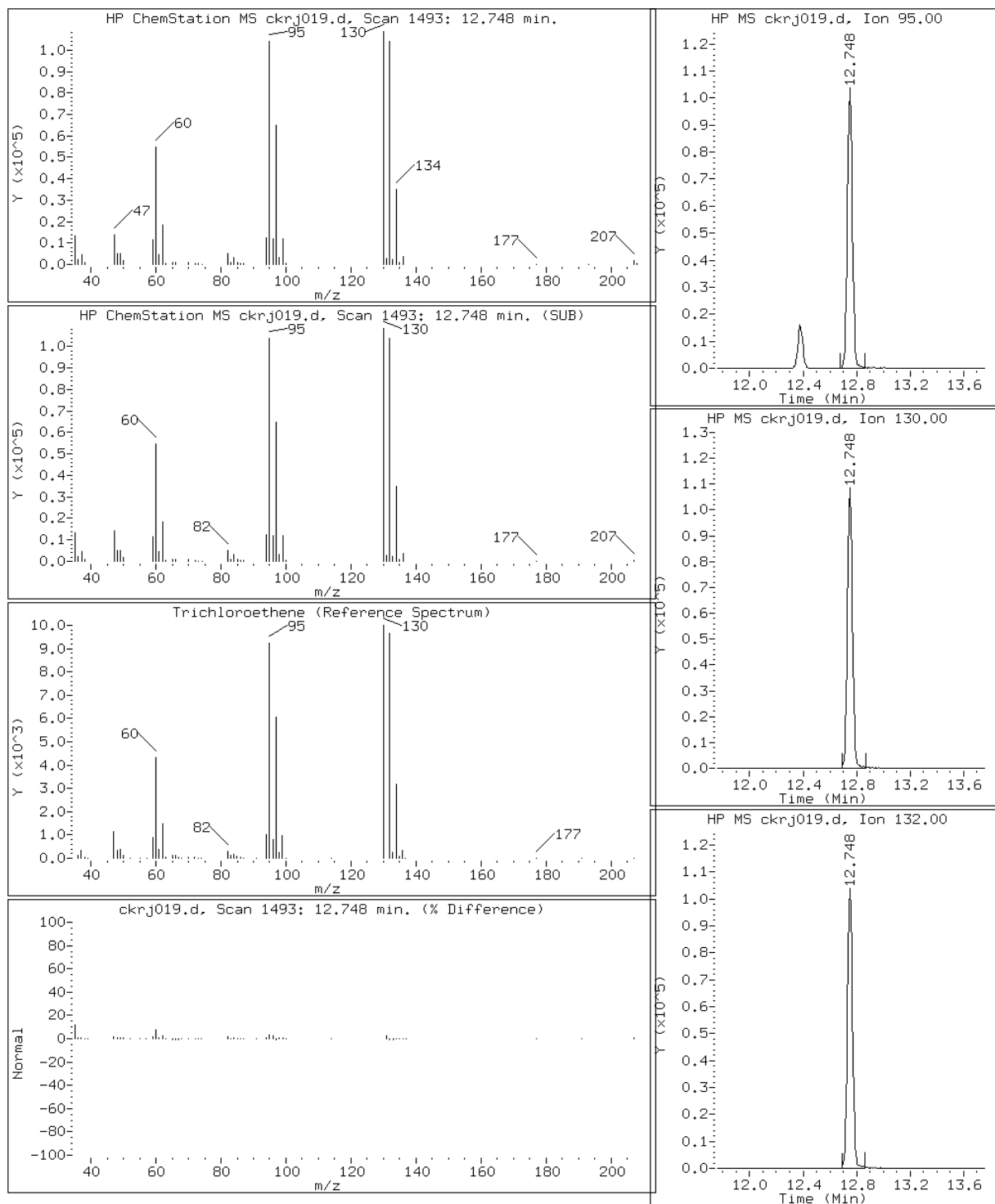
Client ID: AS Effluent

Instrument: C.i

Sample Info: 480-18060-A-2

Operator: pad

49 Trichloroethene



FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	EPA SAMPLE NO:	LAB FILE ID:
Level 1	IC 200-36047/3	IC 303351	ckr003.d
Level 2	IC 200-36047/4	IC 303351	ckr004.d
Level 3	IC 200-36047/5	IC 303354	ckr005.d
Level 4	IC 200-36047/6	IC 302595	ckr006.d
Level 5	ICIS 200-36047/7	ICIS 302576	ckr007.d
Level 6	IC 200-36047/8	IC 302594	ckr008.d
Level 7	IC 200-36047/9	IC 302555	ckr009.d
Level 8	IC 200-36047/10	IC 302540	ckr010.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Propylene	++++ 0.5579	++++ 0.5508	0.7955 0.5211	0.6444	0.5881	Ave		0.6097				16.4		30.0			
Dichlorodifluoromethane	++++ 2.7555	++++ 2.7192	3.3835 2.5187	3.1937	2.8931	Ave		2.9106				11.1		30.0			
Freon 22	++++ 1.3427	++++ 1.3246	1.6561 1.2164	1.5554	1.3993	Ave		1.4158				11.4		30.0			
1,2-Dichlorotetrafluoroethane	++++ 2.5692	3.0918 2.5649	2.9382 2.3854	2.8787	2.6860	Ave		2.7306				9.1		30.0			
Chloromethane	++++ 0.6615	++++ 0.6630	0.8339 0.6217	0.7454	0.6904	Ave		0.7027				10.8		30.0			
Acrolein	++++ 0.2672	++++ 0.2714	++++ 0.2567	0.2062	0.2817	Ave		0.2567				11.5		30.0			
n-Butane	++++ 1.3095	++++ 1.3033	1.4925 1.2140	1.4604	1.3662	Ave		1.3576				7.7		30.0			
1,3-Butadiene	++++ 0.6072	0.6306 0.6108	0.6745 0.5625	0.6613	0.6137	Ave		0.6229				6.0		30.0			
Bromomethane	++++ 0.7956	0.9592 0.7991	0.9398 0.7409	0.8753	0.8395	Ave		0.8499				9.4		30.0			
Vinyl chloride	0.8337 0.8221	0.8488 0.8211	0.9523 0.7636	0.9060	0.8523	Ave		0.8500				6.7		30.0			
Chloroethane	++++ 0.4362	++++ 0.4333	0.5127 0.3986	0.4719	0.4595	Ave		0.4520				8.6		30.0			
Isopentane	++++ 0.9262	1.3999 0.9354	1.1626 0.8505	1.0455	0.9971	Ave		1.0453				17.7		30.0			
Bromoethene (Vinyl Bromide)	++++ 0.8226	0.8089 0.8315	0.8555 0.7978	0.8644	0.8477	Ave		0.8326				3.0		30.0			
Trichlorofluoromethane	++++ 3.0338	3.4993 3.0472	3.4843 2.8333	3.3831	3.1950	Ave		3.2108				7.9		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Isopropyl alcohol	++++ 0.8648	++++ 0.8997	++++ 0.7717	0.9274	0.9429	Ave		0.8813				7.7		30.0			
n-Pentane	++++ 1.5089	++++ 1.5158	++++ 1.4234	1.6348	1.5841	Ave		1.5622				6.5		30.0			
Ethanol	++++ 0.2241	++++ 0.2411	++++ 0.2157	0.1704	0.2516	Ave		0.2303				16.0		30.0			
Ethyl ether	++++ 0.5916	++++ 0.5487 0.5842	++++ 0.6368 0.5434	0.6306	0.6170	Ave		0.5932				6.3		30.0			
Ethyl acetate	++++ 0.0846	++++ 0.0816	++++ 0.0774	0.0797	0.0869	Ave		0.0820				4.6		30.0			
tert-Butyl alcohol	++++ 1.3948	++++ 1.4636	++++ 1.2933	1.5018	1.5143	Ave		1.4336				6.4		30.0			
Freon TF	++++ 1.8571	++++ 2.0415 1.8730	++++ 2.0123 1.7894	1.9589	1.9036	Ave		1.9194				4.7		30.0			
1,1-Dichloroethene	++++ 0.8261	++++ 0.9625 0.8362	++++ 0.8930 0.8039	0.8684	0.8463	Ave		0.8623				6.1		30.0			
Acetone	++++ 1.3280	++++ 1.2777	++++ 1.1359	1.7437	1.4077	Ave		1.3786				16.5		30.0			
Carbon disulfide	++++ 2.3591	++++ 2.4028	++++ 2.4689 2.3156	2.4255	2.4205	Ave		2.3987				2.3		30.0			
3-Chloropropene	++++ 1.2361	++++ 1.4045 1.2553	++++ 1.2400 1.1656	1.3240	1.1855	Ave		1.2587				6.5		30.0			
Acetonitrile	++++ 0.3838	++++ 0.4291	++++ 0.5036	0.4751	0.5682	Ave		0.4720				14.9		30.0			
Methylene Chloride	++++ 0.8969	++++ 0.9190	++++ 1.1834 0.8580	1.0011	0.9445	Ave		0.9672				12.0		30.0			
n-Butanol	++++ 0.0694	++++ 0.0763	++++ 0.0694	0.0522	0.0702	Ave		0.0675				13.4		30.0			
Methyl tert-butyl ether	++++ 2.9077	++++ 3.2192 2.8286	++++ 3.1594 2.6378	3.1192	3.0483	Ave		2.9886				6.9		30.0			
trans-1,2-Dichloroethene	++++ 1.4217	++++ 1.4874 1.4519	++++ 1.4801 1.3841	1.5411	1.4975	Ave		1.4663				3.5		30.0			
Acrylonitrile	++++ 0.5369	++++ 0.5378	++++ 0.5359 0.5153	0.5575	0.5537	Ave		0.5395				2.8		30.0			
n-Hexane	++++ 1.4687	++++ 1.6410 1.5022	++++ 1.5167 1.4240	1.5610	1.5254	Ave		1.5198				4.5		30.0			
Vinyl acetate	++++ 2.1481	++++ 2.1042	++++ 1.9443	2.0041	2.2777	Ave		2.0957				6.2		30.0			
1,1-Dichloroethane	++++ 1.7654	++++ 1.9087 1.7745	++++ 1.9208 1.6968	1.8860	1.8471	Ave		1.8285				4.6		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Methyl Ethyl Ketone	+++++ 0.4178	+++++ 0.3996	0.4113 0.3683	0.4151	0.4284	Ave		0.4067				5.2		30.0			
cis-1,2-Dichloroethene	+++++ 0.9865	1.2280 1.0165	1.1168 0.9830	1.0150	1.0195	Ave		1.0522				8.5		30.0			
Tetrahydrofuran	+++++ 0.1747	+++++ 0.1720	+++++ 0.1560	0.1855	0.1768	Ave		0.1730				6.2		30.0			
Chloroform	+++++ 2.3101	2.5903 2.3379	2.4867 2.2174	2.5229	2.4235	Ave		2.4127				5.4		30.0			
1,4-Dioxane	+++++ 0.0694	+++++ 0.0744	+++++ 0.0638	0.0757	0.0733	Ave		0.0713				6.7		30.0			
1,1,1-Trichloroethane	+++++ 0.5313	0.5658 0.5409	0.5652 0.5184	0.5772	0.5312	Ave		0.5472				4.1		30.0			
Cyclohexane	+++++ 0.2729	0.2562 0.2824	0.2608 0.2792	0.2783	0.2665	Ave		0.2709				3.7		30.0			
2,2,4-Trimethylpentane	+++++ 0.9187	0.9364 0.9502	0.8947 0.9153	0.9449	0.9009	Ave		0.9230				2.3		30.0			
Benzene	+++++ 0.5603	0.6009 0.5872	0.5644 0.5750	0.5712	0.5508	Ave		0.5728				3.0		30.0			
1,2-Dichloroethane	+++++ 0.3219	0.3600 0.3294	0.3419 0.3103	0.3575	0.3282	Ave		0.3356				5.5		30.0			
n-Heptane	+++++ 0.3473	0.3733 0.3565	0.3463 0.3365	0.3732	0.3448	Ave		0.3540				4.1		30.0			
1,2-Dichloropropane	+++++ 0.1892	0.2072 0.1927	0.1877 0.1831	0.1983	0.1900	Ave		0.1926				4.1		30.0			
Methyl methacrylate	+++++ 0.1899	+++++ 0.1935	0.1582 0.1850	0.1919	0.1899	Ave		0.1847				7.2		30.0			
Carbon tetrachloride	0.6945 0.5524	0.5796 0.5688	0.5476 0.5508	0.6028	0.5582	Ave		0.5818				8.4		30.0			
Dibromomethane	+++++ 0.2854	0.2635 0.2958	0.2672 0.2869	0.2881	0.2823	Ave		0.2813				4.2		30.0			
Bromodichloromethane	+++++ 0.4908	0.4542 0.5048	0.4768 0.4773	0.5236	0.4952	Ave		0.4890				4.6		30.0			
cis-1,3-Dichloropropene	+++++ 0.3371	0.3317 0.3447	0.3354 0.3312	0.3439	0.3350	Ave		0.3370				1.6		30.0			
methyl isobutyl ketone	+++++ 0.3749	+++++ 0.3767	0.3436 0.3453	0.3895	0.3852	Ave		0.3692				5.4		30.0			
n-Octane	+++++ 0.4682	0.5178 0.4713	0.4926 0.4409	0.5031	0.4732	Ave		0.4810				5.3		30.0			
Toluene	+++++ 0.4391	0.4679 0.4573	0.4341 0.4480	0.4392	0.4532	Ave		0.4484				2.7		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Trichloroethene	0.4003 0.2823	0.2864 0.2943	0.2824 0.2868	0.2880	0.2779	Ave		0.2998				13.6		30.0			
trans-1,3-Dichloropropene	++++ 0.3696	0.3628 0.3746	0.3485 0.3623	0.3761	0.3655	Ave		0.3656				2.5		30.0			
1,1,2-Trichloroethane	++++ 0.1978	0.2102 0.2042	0.2000 0.1957	0.2024	0.2018	Ave		0.2017				2.3		30.0			
Tetrachloroethene	++++ 0.4759	0.4792 0.5022	0.4752 0.4933	0.4839	0.4881	Ave		0.4854				2.0		30.0			
Methyl Butyl Ketone (2-Hexanone)	++++ 0.3683	++++ 0.3811	0.3241 0.3511	0.3417	0.3948	Ave		0.3602				7.3		30.0			
Dibromochloromethane	++++ 0.5122	0.4560 0.5348	0.4514 0.5233	0.5194	0.5299	Ave		0.5039				7.0		30.0			
1,2-Dibromoethane	++++ 0.4015	0.3841 0.4181	0.3910 0.4088	0.4051	0.4129	Ave		0.4031				3.0		30.0			
Chlorobenzene	++++ 0.6269	0.6443 0.6607	0.6102 0.6493	0.6358	0.6463	Ave		0.6391				2.6		30.0			
Ethylbenzene	++++ 1.0661	1.0305 1.0978	0.9890 1.0933	1.0519	1.0811	Ave		1.0585				3.7		30.0			
n-Nonane	++++ 0.4558	0.4583 0.4703	0.4299 0.4567	0.4551	0.4687	Ave		0.4564				2.9		30.0			
m,p-Xylene	++++ 0.4083	0.3768 0.4261	0.3614 0.4304	0.3945	0.4140	Ave		0.4016				6.4		30.0			
Xylene, o-	++++ 0.3930	0.3920 0.4032	0.3587 0.3984	0.3900	0.3972	Ave		0.3903				3.8		30.0			
Styrene	++++ 0.6245	0.5019 0.6560	0.4804 0.6682	0.5808	0.6221	Ave		0.5906				12.5		30.0			
Bromoform	++++ 0.5537	0.4341 0.5762	0.4394 0.5777	0.5447	0.5625	Ave		0.5269				11.9		30.0			
Cumene	++++ 1.2224	1.1912 1.2668	1.1165 1.2768	1.2246	1.2494	Ave		1.2211				4.5		30.0			
1,1,2,2-Tetrachloroethane	++++ 0.5090	0.5004 0.5260	0.4744 0.5208	0.5267	0.5270	Ave		0.5120				3.8		30.0			
1,2,3-Trichloropropane	++++ 0.4580	++++ 0.4680	0.4377 0.4502	0.4783	0.4733	Ave		0.4609				3.3		30.0			
n-Propylbenzene	++++ 1.4169	1.2159 1.4629	1.1557 1.4870	1.3926	1.4382	Ave		1.3670				9.4		30.0			
n-Decane	++++ 0.5750	++++ 0.6019	0.3596 0.5969	0.5348	0.5814	Ave		0.5416				17.0		30.0			
4-Ethyltoluene	++++ 1.2540	1.0767 1.3028	0.9683 1.3326	1.2239	1.2853	Ave		1.2062				11.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Chlorotoluene	++++ 1.0696	1.0897 1.1039	0.9955 1.1072	1.0792	1.0886	Ave		1.0762				3.5		30.0			
n-Dodecane	++++ 0.2024	++++ 0.2285	++++ 0.2876	0.1974	0.2021	Ave		0.2236				16.9		30.0			
1,3,5-Trimethylbenzene	++++ 1.1096	0.9498 1.1437	0.8856 1.1555	1.0727	1.1256	Ave		1.0632				9.8		30.0			
Alpha Methyl Styrene	++++ 0.5044	0.3122 0.5319	0.3257 0.5419	0.4651	0.5141	Ave		0.4565				21.3		30.0			
tert-Butylbenzene	++++ 1.0307	0.9517 1.0661	0.8840 1.0816	1.0260	1.0486	Ave		1.0127				6.9		30.0			
1,2,4-Trimethylbenzene	++++ 1.0714	0.9564 1.1081	0.8724 1.1181	1.0412	1.0929	Ave		1.0372				8.8		30.0			
sec-Butylbenzene	++++ 1.4330	1.1900 1.5058	1.1441 1.5502	1.4012	1.4552	Ave		1.3828				11.3		30.0			
4-Isopropyltoluene	++++ 1.2817	1.0506 1.3431	1.0017 1.3878	1.2091	1.2932	Ave		1.2239				12.0		30.0			
1,3-Dichlorobenzene	++++ 0.7184	0.6929 0.7497	0.5964 0.7820	0.6883	0.7260	Ave		0.7077				8.3		30.0			
1,4-Dichlorobenzene	++++ 0.7034	0.6450 0.7373	0.5786 0.7678	0.6635	0.7034	Ave		0.6856				9.2		30.0			
Benzyl chloride	++++ 0.8469	0.5948 0.8853	0.6018 0.9085	0.8046	0.8599	Ave		0.7860				16.8		30.0			
n-Undecane	++++ 0.5490	++++ 0.5906	++++ 0.6103	0.3786	0.5212	Ave		0.5299				17.3		30.0			
n-Butylbenzene	++++ 1.0535	0.7864 1.1085	0.7330 1.1382	0.9538	1.0487	Ave		0.9746				16.3		30.0			
1,2-Dichlorobenzene	++++ 0.6727	0.6558 0.7022	0.5574 0.7215	0.6484	0.6819	Ave		0.6629				8.0		30.0			
1,2,4-Trichlorobenzene	++++ 0.3485	++++ 0.3577	0.2392 0.3989	0.2321	0.3372	Ave		0.3189				21.3		30.0			
Hexachlorobutadiene	++++ 0.4030	++++ 0.4212	0.4091 0.4449	0.3850	0.4071	Ave		0.4140				4.7		30.0			
Naphthalene	++++ 0.6156	++++ 0.6278	0.3684 0.7328	0.3129	0.5874	Ave		0.5408				30.3	*	30.0			
1,2,3-Trichlorobenzene	++++ 0.2519	++++ 0.2538	0.2128 0.2858	0.1692	0.2494	Ave		0.2416				16.1		30.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 200-36047/3	ckr003.d
Level 2	IC 200-36047/4	ckr004.d
Level 3	IC 200-36047/5	ckr005.d
Level 4	IC 200-36047/6	ckr006.d
Level 5	ICIS 200-36047/7	ckr007.d
Level 6	IC 200-36047/8	ckr008.d
Level 7	IC 200-36047/9	ckr009.d
Level 8	IC 200-36047/10	ckr010.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Propylene	BCM	Ave	++++ 300329	++++ 420737	11685 874252	97962	200028	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dichlorodifluoromethane	BCM	Ave	++++ 1483394	++++ 2077012	49697 4225395	485480	983944	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Freon 22	BCM	Ave	++++ 722795	++++ 1011780	24325 2040727	236440	475892	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorotetrafluoroethane	BCM	Ave	++++ 1383071	18760 1959151	43157 4001824	437589	913507	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloromethane	BCM	Ave	++++ 356109	++++ 506435	12248 1042907	113314	234812	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Acrolein	BCM	Ave	++++ 143858	++++ 207321	++++ 430698	31344	95801	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
n-Butane	BCM	Ave	++++ 704938	++++ 995465	21922 2036611	221993	464641	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,3-Butadiene	BCM	Ave	++++ 326865	3826 466561	9907 943697	100522	208728	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromomethane	BCM	Ave	++++ 428325	5820 610406	13804 1243029	133048	285524	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl chloride	BCM	Ave	1009 442565	5150 627214	13987 1281034	137728	289859	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chloroethane	BCM	Ave	++++ 234837	++++ 330940	7530 668695	71728	156276	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Isopentane	BCM	Ave	++++ 498593	8494 714491	17076 1426885	158933	339111	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoethene (Vinyl Bromide)	BCM	Ave	++++ 442812	4908 635155	12565 1338340	131398	288289	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Trichlorofluoromethane	BCM	Ave	++++ 1633211	21232 2327568	51177 4753139	514260	1086616	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Isopropyl alcohol	BCM	Ave	++++ 465553	++++ 687182	++++ 1294624	140979	320683	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
n-Pentane	BCM	Ave	++++ 812279	++++ 1157822	25062 2387846	248504	538764	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Ethanol	BCM	Ave	++++ 160828	++++ 368324	40967 904782	51817	128364	++++ 20.0	++++ 40.0	5.00 100	10.0	15.0
Ethyl ether	BCM	Ave	++++ 318475	3329 446190	9353 911542	95854	209833	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethyl acetate	BCM	Ave	++++ 45560	++++ 62333	++++ 129768	12114	29551	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
tert-Butyl alcohol	BCM	Ave	++++ 750849	++++ 1117964	++++ 2169641	228295	515024	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Freon TF	BCM	Ave	++++ 999753	12387 1430621	29556 3001979	297770	647420	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1-Dichloroethene	BCM	Ave	++++ 444738	5840 638685	13116 1348637	132012	287828	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetone	BCM	Ave	++++ 714913	++++ 975925	++++ 1905557	265061	478753	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Carbon disulfide	BCM	Ave	++++ 1269988	++++ 1835284	36263 3884702	368699	823232	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
3-Chloropropene	BCM	Ave	++++ 665459	8522 958818	18213 1955510	201262	403207	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acetonitrile	BCM	Ave	++++ 206587	++++ 327793	++++ 844855	72221	193235	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methylene Chloride	BCM	Ave	++++ 482827	++++ 701969	17382 1439432	152170	321229	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Butanol	DFB	Ave	++++ 197367	++++ 303568	++++ 601969	42682	131722	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Methyl tert-butyl ether	BCM	Ave	++++ 1565320	19533 2160529	46406 4425170	474151	1036741	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,2-Dichloroethene	BCM	Ave	++++ 765346	9025 1108982	21740 2322001	234260	509287	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Acrylonitrile	BCM	Ave	++++ 289006	++++ 410820	7871 864419	84747	188301	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Hexane	BCM	Ave	++++ 790638	9957 1147401	22277 2388842	237294	518788	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Vinyl acetate	BCM	Ave	++++ 1156392	++++ 1607234	++++ 3261800	304636	774667	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,1-Dichloroethane	BCM	Ave	++++ 950378	11581 1355446	28212 2846594	286692	628211	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Ethyl Ketone	BCM	Ave	++++ 224893	++++ 305210	6041 617841	63100	145713	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
cis-1,2-Dichloroethene	BCM	Ave	++++ 531076	7451 776446	16403 1649052	154285	346736	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrahydrofuran	DFB	Ave	++++ 496954	++++ 684195	++++ 1352612	151576	331903	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
Chloroform	BCM	Ave	++++ 1243580	++++ 15717 1785760	++++ 36525 3719899	383502	824239	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
1,4-Dioxane	DFB	Ave	++++ 197487	++++ 295911	++++ 553373	61880	137528	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,1,1-Trichloroethane	DFB	Ave	++++ 1511411	++++ 18710 2151585	++++ 45968 4493800	471661	997180	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
Cyclohexane	DFB	Ave	++++ 776286	++++ 8472 1123195	++++ 21210 2420330	227421	500289	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
2,2,4-Trimethylpentane	DFB	Ave	++++ 2613448	++++ 30964 3779396	++++ 72764 7935101	772111	1691186	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
Benzene	DFB	Ave	++++ 1593725	++++ 19869 2335429	++++ 45906 4984753	466734	1033886	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
1,2-Dichloroethane	DFB	Ave	++++ 915709	++++ 11903 1310184	++++ 27808 2689609	292126	616135	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
n-Heptane	DFB	Ave	++++ 987927	++++ 12345 1417841	++++ 28167 2916938	304904	647173	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
1,2-Dichloropropane	DFB	Ave	++++ 538138	++++ 4441 766313	++++ 6851 15264 1587328	162030	356646	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
Methyl methacrylate	DFB	Ave	++++ 540191	++++ 769535	++++ 12865 1604125	156775	356424	++++ 15.0	++++ 20.0	++++ 0.500 40.0	5.00	10.0
Carbon tetrachloride	DFB	Ave	++++ 1571456	++++ 4441 19165 2262523	++++ 44536 4774643	492510	1047880	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Dibromomethane	DFB	Ave	++++ 811839	++++ 8714 1176613	++++ 21735 2486742	235364	530004	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
Bromodichloromethane	DFB	Ave	++++ 1396099	++++ 15019 2007917	++++ 38774 4138099	427796	929664	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
cis-1,3-Dichloropropene	DFB	Ave	++++ 958930	++++ 10967 1371089	++++ 27277 2871202	281009	628908	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
methyl isobutyl ketone	DFB	Ave	++++ 1066489	++++ 27941 1498490	++++ 2993653	318228	723124	++++ 15.0	++++ 20.0	++++ 0.500 40.0	5.00	10.0
n-Octane	DFB	Ave	++++ 1331855	++++ 17122 1874697	++++ 40059 3822606	411104	888325	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
Toluene	CBZ	Ave	++++ 1211369	++++ 14437 1726297	++++ 32835 3703506	349793	793769	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
Trichloroethene	DFB	Ave	++++ 802921	++++ 2560 1170729	++++ 22966 2486639	235298	521748	0.0400 15.0	0.200 20.0	0.500 40.0	5.00	10.0
trans-1,3-Dichloropropene	DFB	Ave	++++ 1051399	++++ 11997 1489821	++++ 28346 3140962	307337	686123	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0
1,1,2-Trichloroethane	CBZ	Ave	++++ 545708	++++ 6484 771030	++++ 15126 1617577	161220	353411	++++ 15.0	++++ 0.200 20.0	++++ 0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Tetrachloroethene	CBZ	Ave	++++ 1312837	14784 1896027	35940 4077690	385412	854823	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Methyl Butyl Ketone (2-Hexanone)	CBZ	Ave	++++ 1016113	++++ 1438880	24512 2902526	272165	691575	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Dibromochloromethane	CBZ	Ave	++++ 1412972	14068 2018951	34143 4325474	413697	928103	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	++++ 1107677	11851 1578485	29570 3379492	322656	723181	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Chlorobenzene	CBZ	Ave	++++ 1729353	19879 2494305	46153 5367640	506357	1131931	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Ethylbenzene	CBZ	Ave	++++ 2941094	31792 4144666	74800 9037299	837822	1893563	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Nonane	CBZ	Ave	++++ 1257375	14139 1775656	32513 3774983	362424	820868	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
m,p-Xylene	CBZ	Ave	++++ 2252450	23250 3217142	54663 7114932	628446	1450108	++++ 30.0	0.400 40.0	1.00 80.0	10.0	20.0
Xylene, o-	CBZ	Ave	++++ 1084030	12093 1522180	27130 3293613	310599	695640	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Styrene	CBZ	Ave	++++ 1722842	15486 2476485	36333 5523321	462613	1089639	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Bromoform	CBZ	Ave	++++ 1527361	13394 2175478	33237 4775430	433846	985163	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Cumene	CBZ	Ave	++++ 3372066	36750 4782538	84444 10554563	975348	2188316	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,1,2,2-Tetrachloroethane	CBZ	Ave	++++ 1404118	15437 1985695	35883 4305142	419523	923119	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichloropropane	CBZ	Ave	++++ 1263518	++++ 1766846	33106 3721332	380969	829058	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
n-Propylbenzene	CBZ	Ave	++++ 3908698	37514 5522935	87412 12291618	1109158	2519074	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Decane	CBZ	Ave	++++ 1586274	++++ 2272500	27201 4933898	425979	1018401	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
4-Ethyltoluene	CBZ	Ave	++++ 3459221	33217 4918523	73239 11015771	974747	2251125	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
2-Chlorotoluene	CBZ	Ave	++++ 2950593	33620 4167613	75296 9152323	859565	1906628	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Dodecane	CBZ	Ave	++++ 558378	++++ 862596	++++ 2377547	157258	353941	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
1,3,5-Trimethylbenzene	CBZ	Ave	++++ 3060865	29303 4318043	66982 9551430	854349	1971544	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Alpha Methyl Styrene	CBZ	Ave	++++ 1391489	9633 2008153	24638 4479330	370416	900380	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

FORM VI
AIR - GC/MS VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Burlington Job No.: 480-18060-1 Analy Batch No.: 36047

SDG No.: _____

Instrument ID: C.i GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/30/2012 16:32 Calibration End Date: 03/30/2012 22:20 Calibration ID: 14366

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
tert-Butylbenzene	CBZ	Ave	++++ 2843323	29363 4024834	66858 8940700	817183	1836619	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trimethylbenzene	CBZ	Ave	++++ 2955641	29508 4183361	65988 9242381	829277	1914256	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
sec-Butylbenzene	CBZ	Ave	++++ 3953242	36714 5684824	86537 12813957	1115983	2548731	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
4-Isopropyltoluene	CBZ	Ave	++++ 3535794	32413 5070555	75765 11471430	962959	2265004	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,3-Dichlorobenzene	CBZ	Ave	++++ 1981912	21376 2830369	45111 6464290	548229	1271660	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,4-Dichlorobenzene	CBZ	Ave	++++ 1940443	19901 2783509	43766 6347008	528411	1232034	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Benzyl chloride	CBZ	Ave	++++ 2336418	18350 3342140	45518 7510227	640812	1506200	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
n-Undecane	CBZ	Ave	++++ 1514496	++++ 2229841	++++ 5045061	301532	912876	++++ 15.0	++++ 20.0	++++ 40.0	5.00	10.0
n-Butylbenzene	CBZ	Ave	++++ 2906286	24261 4185102	55439 9408257	759691	1836734	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2-Dichlorobenzene	CBZ	Ave	++++ 1855722	20234 2650943	42159 5964361	516439	1194423	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
1,2,4-Trichlorobenzene	CBZ	Ave	++++ 961345	++++ 1350325	18089 3297306	184889	590657	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
Hexachlorobutadiene	CBZ	Ave	++++ 1111672	13207 1590042	30943 3677707	306660	712972	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0
Naphthalene	CBZ	Ave	++++ 1698233	++++ 2370201	27864 6057435	249230	1028891	++++ 15.0	++++ 20.0	0.500 40.0	5.00	10.0
1,2,3-Trichlorobenzene	CBZ	Ave	++++ 694789	8281 958121	16093 2362820	134738	436829	++++ 15.0	0.200 20.0	0.500 40.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr003.d
 Lab Smp Id: IC 303351 Client Smp ID: IC 303351
 Inj Date : 30-MAR-2012 16:32
 Operator : pad Inst ID: C.i
 Smp Info : IC 303351
 Misc Info : 40,1, level 8
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
 Meth Date : 02-Apr-2012 13:13 klp Quant Type: ISTD
 Cal Date : 30-MAR-2012 16:32 Cal File: ckr003.d
 Als bottle: 2 Calibration Sample, Level: 8
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	40.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						AMOUNTS	
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Propene	41							
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51							
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43							
7 Vinyl chloride	62		5.762	5.762	(0.520)	1009	0.04000	0.039(aM)
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
11 2-Methylbutane	43							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101							
14 Pentane	43							

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	AMOUNTS	
								CAL-AMT	ON-COL
	MASS							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	11.072	11.072	(1.000)		302575		10.0000	
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117	11.606	11.600	(0.937)		4441		0.04000	0.048(aQ)
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)		1598612		10.0000	
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95	12.780	12.758	(1.031)		2560		0.04000	0.053(a)
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

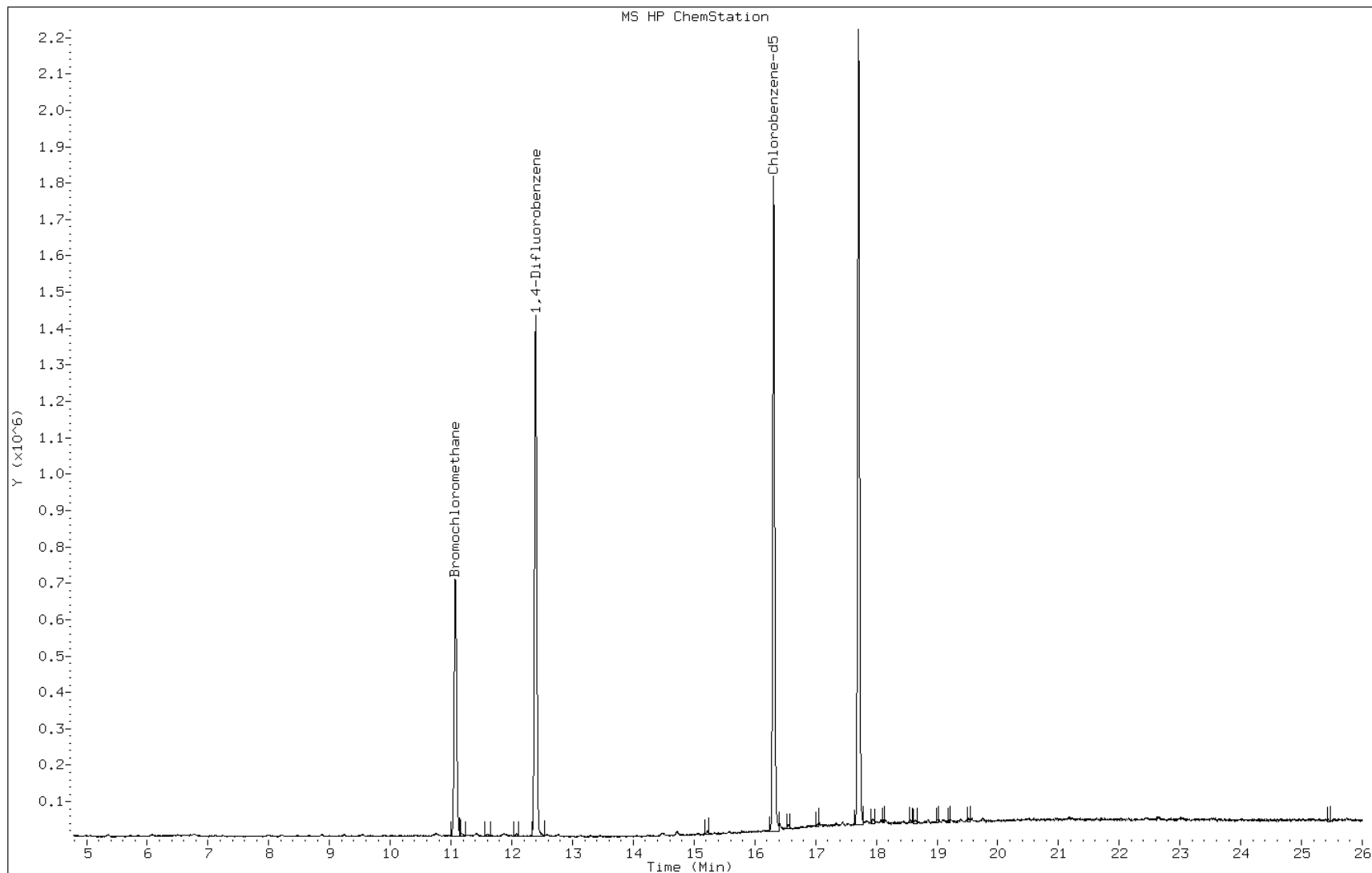
Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43				Compound Not Detected.		
63 Dibromochloromethane	129				Compound Not Detected.		
64 1,2-Dibromoethane	107				Compound Not Detected.		
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1353299	10.0000	
66 Chlorobenzene	112				Compound Not Detected.		
67 n-Nonane	57				Compound Not Detected.		
68 Ethylbenzene	91				Compound Not Detected.		
69 Xylene (m,p)	106				Compound Not Detected.		
M 70 Xylenes, Total	106				Compound Not Detected.		
71 Xylene (o)	106				Compound Not Detected.		
72 Styrene	104				Compound Not Detected.		
73 Bromoform	173				Compound Not Detected.		
74 Isopropylbenzene	105				Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83				Compound Not Detected.		
76 n-Propylbenzene	91				Compound Not Detected.		
77 1,2,3-Trichloropropane	75				Compound Not Detected.		
78 n-Decane	57				Compound Not Detected.		
79 4-Ethyltoluene	105				Compound Not Detected.		
80 2-Chlorotoluene	91				Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105				Compound Not Detected.		
82 Alpha Methyl Styrene	118				Compound Not Detected.		
83 tert-butylbenzene	119				Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105				Compound Not Detected.		
85 sec-Butylbenzene	105				Compound Not Detected.		
86 4-Isopropyltoluene	119				Compound Not Detected.		
87 1,3-Dichlorobenzene	146				Compound Not Detected.		
88 1,4-Dichlorobenzene	146				Compound Not Detected.		
89 Benzyl chloride	91				Compound Not Detected.		
90 Undecane	57				Compound Not Detected.		
91 n-Butylbenzene	91				Compound Not Detected.		
92 1,2-Dichlorobenzene	146				Compound Not Detected.		
93 Dodecane	57				Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180				Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225				Compound Not Detected.		
96 Naphthalene	128				Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180				Compound Not Detected.		

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: ckr003.d
Client ID: IC 303351
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 303351
Lab Sample ID: IC 303351

Date: 30-MAR-2012 16:32
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



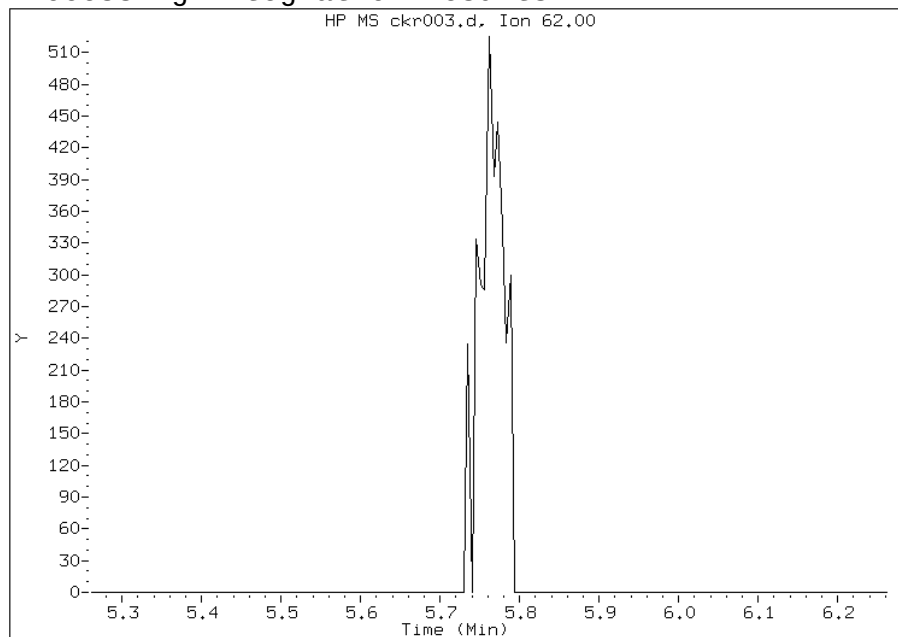
Manual Integration Report

Data File: ckr003.d
Lab Sample ID: IC 303351
Inj. Date and Time: 30-MAR-2012 16:32
Instrument ID: C.i
Client ID: IC 303351
Compound: 7 Vinyl chloride
CAS #: 75-01-4
Report Date: 04/02/2012

Not Detected

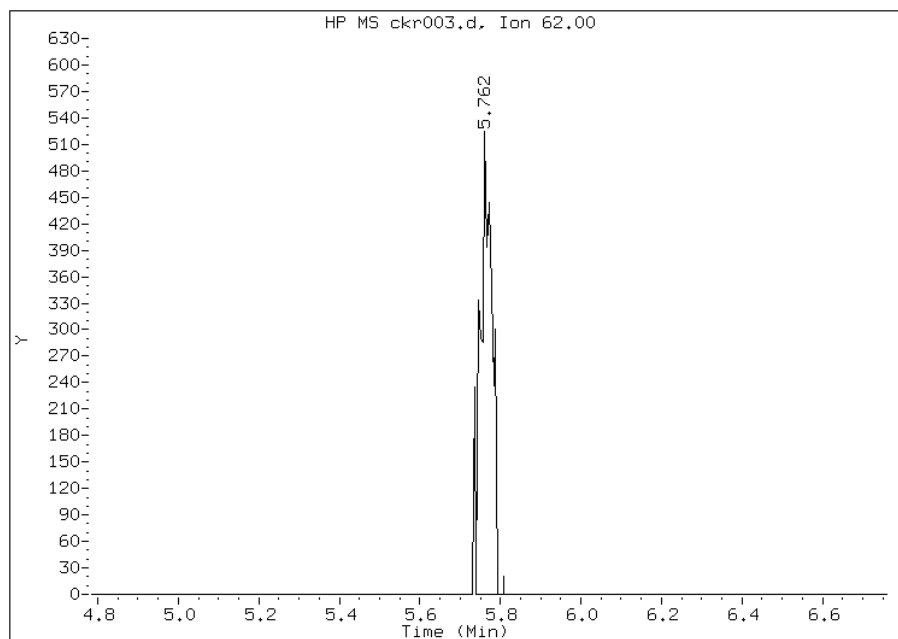
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.76
Response: 1009
Amount: 0.039232
Conc: 0.039232



File Uploaded By: klp
Manual Integration Reason: Peak not found by the data system

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr004.d
Lab Smp Id: IC 303351 Client Smp ID: IC 303351
Inj Date : 30-MAR-2012 17:22
Operator : pad Inst ID: C.i
Smp Info : IC 303351
Misc Info : 200,1, level 1
Comment :
Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
Meth Date : 02-Apr-2012 13:13 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 17:22 Cal File: ckr004.d
Als bottle: 2 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene		41	4.972	4.972	(0.449)	6041	0.20000	0.33(a)
2 Dichlorodifluoromethane		85	5.052	5.057	(0.456)	21504	0.20000	0.24(a)
3 Chlorodifluoromethane		51	5.100	5.095	(0.461)	11348	0.20000	0.26(a)
4 1,2-Dichloro-1,1,2,2-tetraflu		85	5.351	5.345	(0.484)	18760	0.20000	0.23(Q)
5 Chloromethane		50	5.511	5.511	(0.498)	6256	0.20000	0.29(a)
6 Butane		43	5.714	5.719	(0.516)	10964	0.20000	0.27(a)
7 Vinyl chloride		62	5.756	5.762	(0.520)	5150	0.20000	0.20
8 1,3-Butadiene		54	5.831	5.831	(0.527)	3826	0.20000	0.20
9 Bromomethane		94	6.493	6.493	(0.587)	5820	0.20000	0.23(Q)
10 Chloroethane		64	6.690	6.690	(0.605)	2833	0.20000	0.21(a)
11 2-Methylbutane		43	6.749	6.760	(0.610)	8494	0.20000	0.27
12 Vinyl bromide		106	7.037	7.043	(0.636)	4908	0.20000	0.19(a)
13 Trichlorofluoromethane		101	7.117	7.123	(0.643)	21232	0.20000	0.22(Q)
14 Pentane		43	7.235	7.235	(0.654)	11266	0.20000	0.24(a)

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.480	7.448 (0.676)		5109	0.20000	0.73(a)
16 Ethyl ether	59	7.651	7.624 (0.691)		3329	0.20000	0.18(a)
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987 (0.722)		12387	0.20000	0.21
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	8.046	8.057 (0.727)		5840	0.20000	0.22(Q)
20 Acetone	43	8.195	8.169 (0.741)		31749	0.20000	0.76(a)
21 Carbon disulfide	76	8.462	8.462 (0.765)		15045	0.20000	0.21(a)
22 Isopropanol	45	Compound Not Detected.					
23 Allyl chloride	41	8.644	8.654 (0.781)		8522	0.20000	0.22(aM)
24 Acetonitrile	41	8.702	8.654 (0.786)		3288	0.20000	0.23(aQMH)
25 Methylene chloride	49	8.857	8.868 (0.800)		9264	0.20000	0.32(aQ)
26 Tert-butyl alcohol	59	Compound Not Detected.					
27 Methyl tert-butyl ether	73	9.220	9.188 (0.833)		19533	0.20000	0.22
28 1,2-Dichloroethene (trans)	61	9.241	9.236 (0.835)		9025	0.20000	0.20
29 Acrylonitrile	53	9.305	9.289 (0.841)		2997	0.20000	0.18(a)
30 n-Hexane	57	9.535	9.535 (0.862)		9957	0.20000	0.22
31 1,1-Dichloroethane	63	9.898	9.903 (0.894)		11581	0.20000	0.21
32 Vinyl acetate	43	9.892	9.887 (0.894)		12505	0.20000	0.20(a)
M 33 1,2-Dichloroethene,Total	61				16476	0.40000	0.44
34 1,2-Dichloroethene (cis)	96	10.725	10.725 (0.969)		7451	0.20000	0.23
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	10.736	10.714 (0.970)		3472	0.20000	0.28(aQ)
* 37 Bromochloromethane	128	11.067	11.072 (1.000)		303379	10.0000	
38 Tetrahydrofuran	42	11.136	11.104 (0.899)		6028	0.20000	0.21(a)
39 Chloroform	83	11.120	11.120 (1.005)		15717	0.20000	0.21
40 Cyclohexane	84	11.424	11.430 (0.922)		8472	0.20000	0.19(a)
41 1,1,1-Trichloroethane	97	11.397	11.403 (0.920)		18710	0.20000	0.21(Q)
42 Carbon tetrachloride	117	11.606	11.600 (0.937)		19165	0.20000	0.20(Q)
43 2,2,4-Trimethylpentane	57	11.856	11.862 (0.957)		30964	0.20000	0.20
44 Benzene	78	11.899	11.905 (0.960)		19869	0.20000	0.21
45 1,2-Dichloroethane	62	11.985	11.979 (0.967)		11903	0.20000	0.21
46 n-Heptane	43	12.081	12.081 (0.975)		12345	0.20000	0.21(Q)
* 47 1,4-Difluorobenzene	114	12.390	12.390 (1.000)		1653334	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	12.764	12.758 (1.030)		9470	0.20000	0.19(a)
50 1,2-Dichloropropane	63	13.127	13.116 (1.059)		6851	0.20000	0.22
51 Methyl methacrylate	69	13.143	13.132 (1.061)		4893	0.20000	0.16(aQ)
52 Dibromomethane	174	13.292	13.297 (1.073)		8714	0.20000	0.19(a)
53 1,4-Dioxane	88	Compound Not Detected.					
54 Bromodichloromethane	83	13.452	13.452 (1.086)		15019	0.20000	0.19(a)
55 1,3-Dichloropropene (cis)	75	14.066	14.066 (1.135)		10967	0.20000	0.20
56 Methyl isobutyl ketone	43	14.237	14.210 (1.149)		12190	0.20000	0.20(a)
57 n-Octane	43	14.466	14.466 (1.168)		17122	0.20000	0.22(a)
58 Toluene	92	14.498	14.498 (0.889)		14437	0.20000	0.21
59 1,3-Dichloropropene (trans)	75	14.813	14.808 (1.196)		11997	0.20000	0.20
60 1,1,2-Trichloroethane	83	15.069	15.064 (0.924)		6484	0.20000	0.21
61 Tetrachloroethene	166	15.219	15.219 (0.933)		14784	0.20000	0.20

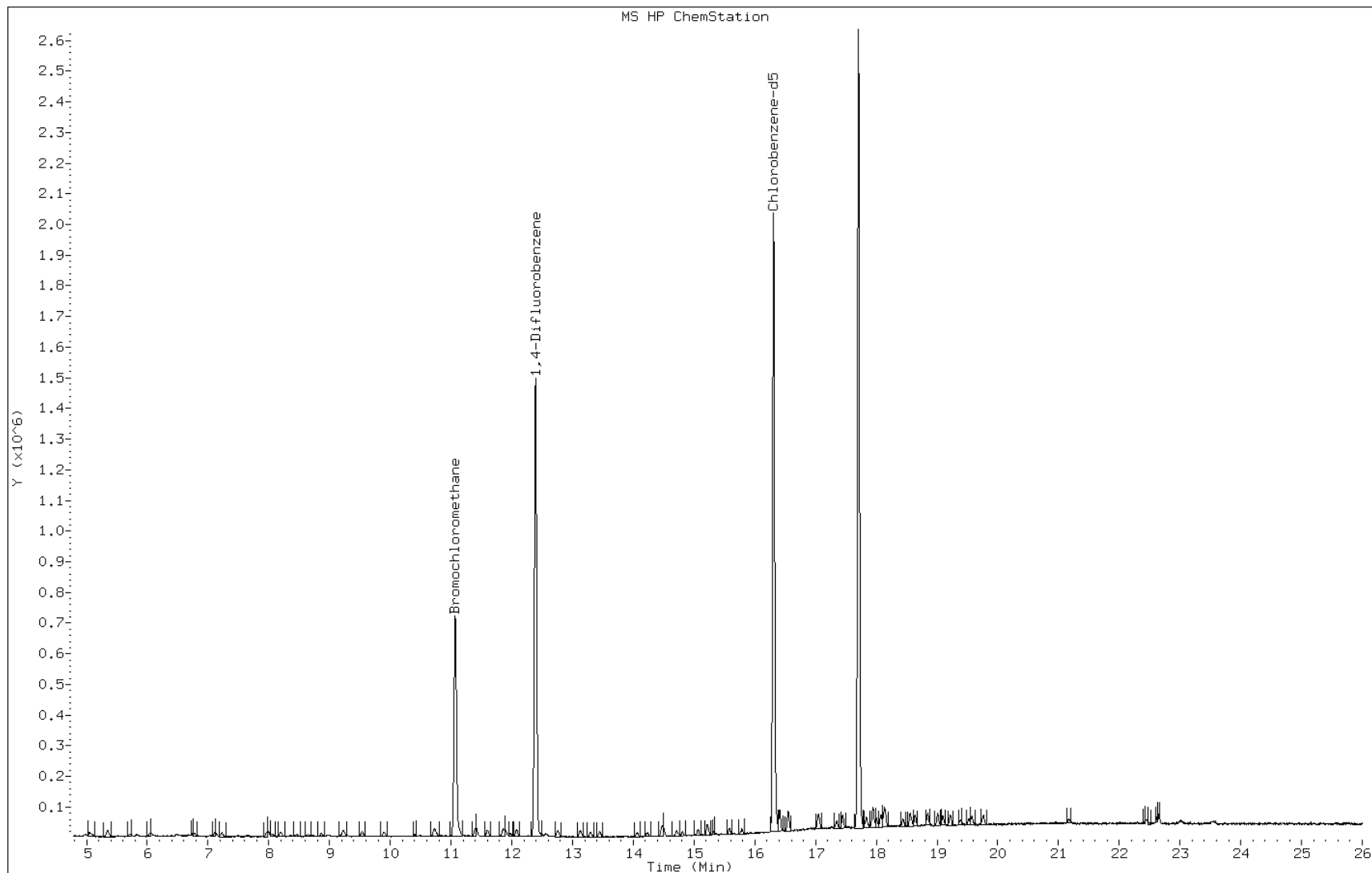
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.325	15.304	(0.939)	11870	0.20000	0.21(aQ)
63 Dibromochloromethane	129	15.587	15.582	(0.956)	14068	0.20000	0.18(a)
64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	11851	0.20000	0.19(a)
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1542607	10.0000	
66 Chlorobenzene	112	16.350	16.350	(1.002)	19879	0.20000	0.20(Q)
67 n-Nonane	57	16.414	16.420	(1.006)	14139	0.20000	0.20
68 Ethylbenzene	91	16.409	16.409	(1.006)	31792	0.20000	0.19(a)
69 Xylene (m,p)	106	16.553	16.548	(1.015)	23250	0.40000	0.38(a)
M 70 Xylenes, Total	106				35343	0.20000	0.58
71 Xylene (o)	106	17.039	17.044	(1.044)	12093	0.20000	0.20
72 Styrene	104	17.065	17.060	(1.046)	15486	0.20000	0.17(a)
73 Bromoform	173	17.348	17.348	(1.063)	13394	0.20000	0.16(a)
74 Isopropylbenzene	105	17.444	17.444	(1.069)	36750	0.20000	0.20
75 1,1,2,2-Tetrachloroethane	83	17.839	17.845	(1.094)	15437	0.20000	0.20
76 n-Propylbenzene	91	17.946	17.941	(1.100)	37514	0.20000	0.18(a)
77 1,2,3-Trichloropropane	75	17.935	17.941	(1.099)	14740	0.20000	0.21(a)
78 n-Decane	57	17.999	17.999	(1.103)	11027	0.20000	0.13(a)
79 4-Ethyltoluene	105	18.074	18.074	(1.108)	33217	0.20000	0.18(a)
80 2-Chlorotoluene	91	18.133	18.127	(1.112)	33620	0.20000	0.20
81 1,3,5-Trimethylbenzene	105	18.138	18.143	(1.112)	29303	0.20000	0.18(a)
82 Alpha Methyl Styrene	118	18.447	18.442	(1.131)	9633	0.20000	0.14(a)
83 tert-butylbenzene	119	18.560	18.565	(1.138)	29363	0.20000	0.19(a)
84 1,2,4-Trimethylbenzene	105	18.634	18.634	(1.142)	29508	0.20000	0.18(a)
85 sec-Butylbenzene	105	18.848	18.848	(1.155)	36714	0.20000	0.17(a)
86 4-Isopropyltoluene	119	19.013	19.013	(1.166)	32413	0.20000	0.17(a)
87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	21376	0.20000	0.20
88 1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	19901	0.20000	0.19(a)
89 Benzyl chloride	91	19.387	19.382	(1.188)	18350	0.20000	0.15(a)
90 Undecane	57	19.520	19.520	(1.197)	8876	0.20000	0.11(a)
91 n-Butylbenzene	91	19.574	19.574	(1.200)	24261	0.20000	0.16(a)
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	20234	0.20000	0.20
93 Dodecane	57	Compound Not Detected.					
94 1,2,4-Trichlorobenzene	180	22.434	22.440	(1.375)	9118	0.20000	0.19(a)
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	13207	0.20000	0.21
96 Naphthalene	128	23.011	23.005	(1.411)	16355	0.20000	0.20(a)
97 1,2,3-Trichlorobenzene	180	23.555	23.544	(1.444)	8281	0.20000	0.22

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.
- H - Operator selected an alternate compound hit.

Data File: ckr004.d
Client ID: IC 303351
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 303351
Lab Sample ID: IC 303351

Date: 30-MAR-2012 17:22
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

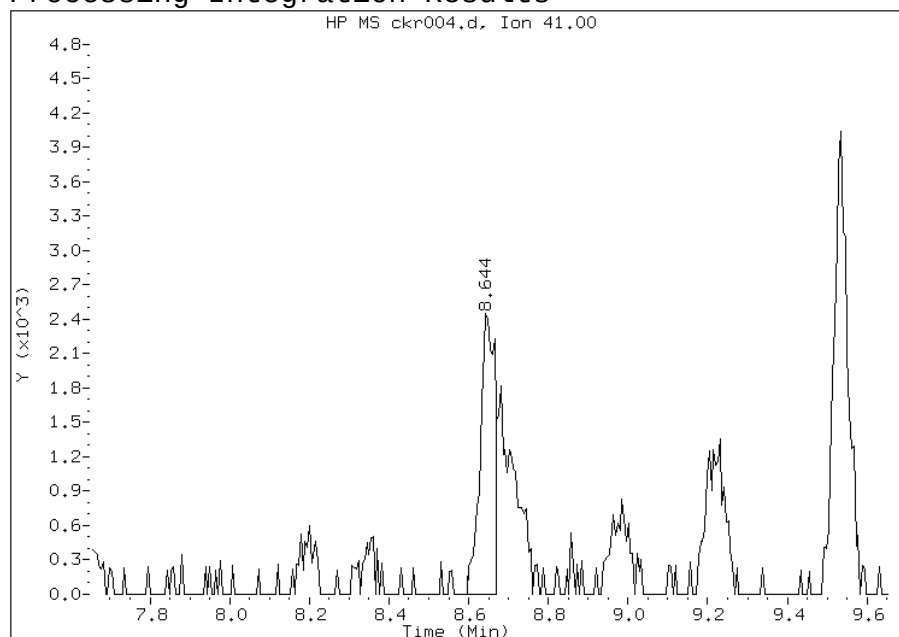


Manual Integration Report

Data File: ckr004.d
Lab Sample ID: IC 303351
Inj. Date and Time: 30-MAR-2012 17:22
Instrument ID: C.i
Client ID: IC 303351
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

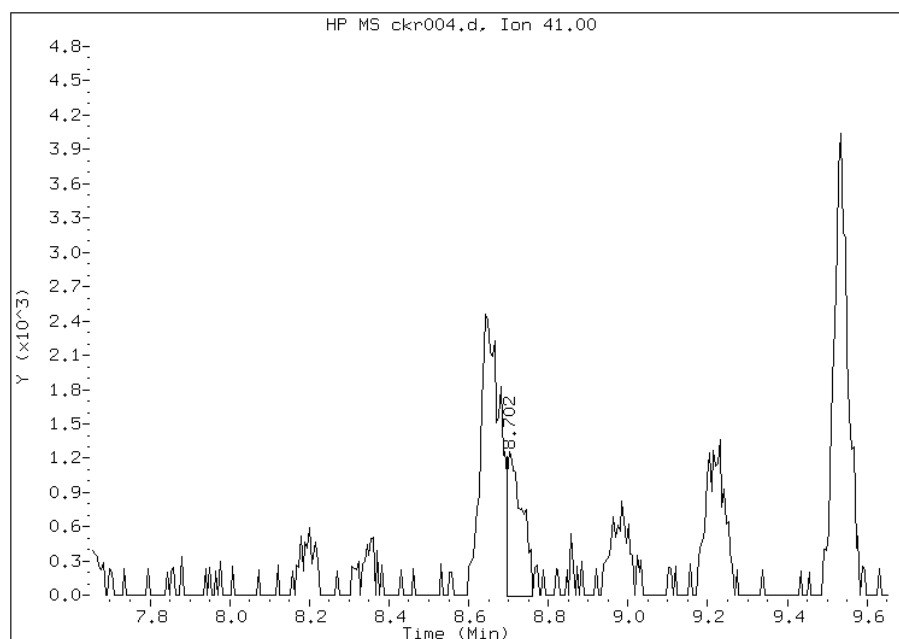
Processing Integration Results

RT: 8.64
Response: 6336
Amount: 0.417355
Conc: 0.417355



Manual Integration Results

RT: 8.70
Response: 3288
Amount: 0.229639
Conc: 0.229639



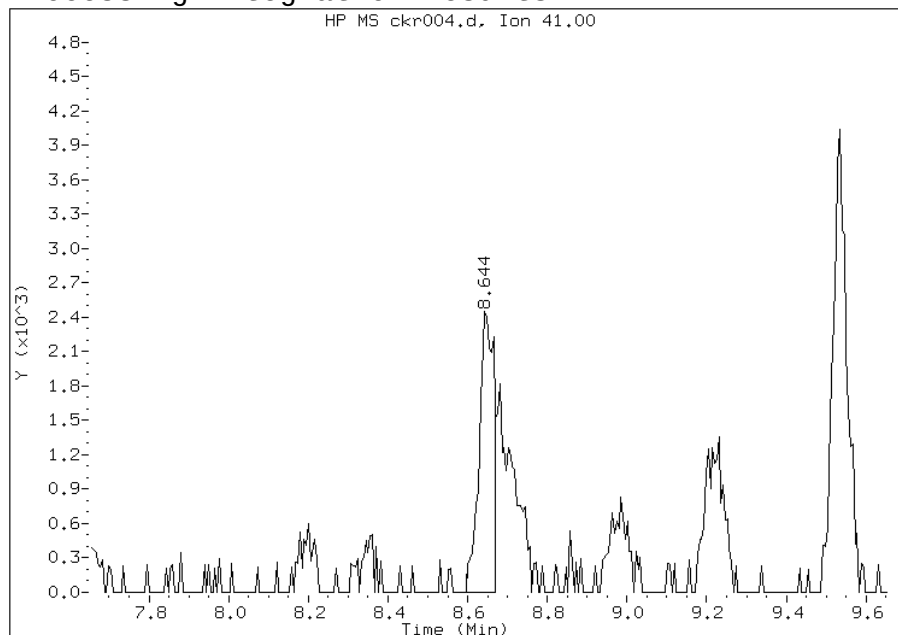
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr004.d
Lab Sample ID: IC 303351
Inj. Date and Time: 30-MAR-2012 17:22
Instrument ID: C.i
Client ID: IC 303351
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

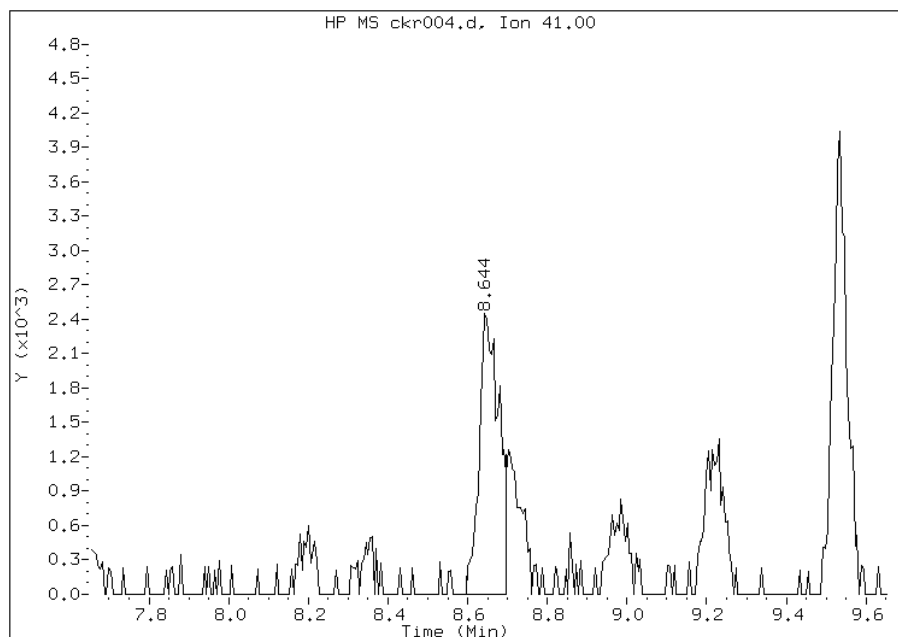
Processing Integration Results

RT: 8.64
Response: 6336
Amount: 0.170793
Conc: 0.170793



Manual Integration Results

RT: 8.64
Response: 8522
Amount: 0.223163
Conc: 0.223163



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr005.d
 Lab Smp Id: IC 303354 Client Smp ID: IC 303354
 Inj Date : 30-MAR-2012 18:12
 Operator : pad Inst ID: C.i
 Smp Info : IC 303354
 Misc Info : 200,1, level 2
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
 Meth Date : 02-Apr-2012 13:13 klp Quant Type: ISTD
 Cal Date : 30-MAR-2012 18:12 Cal File: ckr005.d
 Als bottle: 3 Calibration Sample, Level: 2
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.972	4.972	(0.449)	11685	0.50000	0.65(a)	
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	49697	0.50000	0.58	
3 Chlorodifluoromethane	51	5.100	5.095	(0.461)	24325	0.50000	0.58	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.345	(0.482)	43157	0.50000	0.54	
5 Chloromethane	50	5.500	5.511	(0.497)	12248	0.50000	0.59	
6 Butane	43	5.719	5.719	(0.517)	21922	0.50000	0.55	
7 Vinyl chloride	62	5.762	5.762	(0.520)	13987	0.50000	0.56	
8 1,3-Butadiene	54	5.831	5.831	(0.527)	9907	0.50000	0.54	
9 Bromomethane	94	6.493	6.493	(0.586)	13804	0.50000	0.55(Q)	
10 Chloroethane	64	6.690	6.690	(0.604)	7530	0.50000	0.57(Q)	
11 2-Methylbutane	43	6.765	6.760	(0.611)	17076	0.50000	0.56	
12 Vinyl bromide	106	7.048	7.043	(0.637)	12565	0.50000	0.51	
13 Trichlorofluoromethane	101	7.117	7.123	(0.643)	51177	0.50000	0.54	
14 Pentane	43	7.235	7.235	(0.653)	25062	0.50000	0.55	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.469	7.448 (0.675)		40967	5.00000	6.1
16 Ethyl ether	59	7.646	7.624 (0.691)		9353	0.50000	0.54
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987 (0.721)		29556	0.50000	0.52
18 Acrolein	56	Compound Not Detected.					
19 1,1-Dichloroethene	96	8.056	8.057 (0.728)		13116	0.50000	0.52
20 Acetone	43	8.185	8.169 (0.739)		38011	0.50000	0.94(a)
21 Carbon disulfide	76	8.457	8.462 (0.764)		36263	0.50000	0.51
22 Isopropanol	45	8.339	8.313 (0.753)		14772	0.50000	0.57(a)
23 Allyl chloride	41	8.649	8.654 (0.781)		18213	0.50000	0.49(aM)
24 Acetonitrile	41	8.697	8.654 (0.785)		7358	0.50000	0.53(aQM)
25 Methylene chloride	49	8.873	8.868 (0.801)		17382	0.50000	0.61
26 Tert-butyl alcohol	59	8.969	8.927 (0.810)		21654	0.50000	0.51(a)
27 Methyl tert-butyl ether	73	9.209	9.188 (0.832)		46406	0.50000	0.53
28 1,2-Dichloroethene (trans)	61	9.236	9.236 (0.834)		21740	0.50000	0.50
29 Acrylonitrile	53	9.289	9.289 (0.839)		7871	0.50000	0.50
30 n-Hexane	57	9.535	9.535 (0.861)		22277	0.50000	0.50
31 1,1-Dichloroethane	63	9.908	9.903 (0.895)		28212	0.50000	0.53
32 Vinyl acetate	43	9.898	9.887 (0.894)		31753	0.50000	0.52(a)
M 33 1,2-Dichloroethene,Total	61				38143	1.00000	1.0
34 1,2-Dichloroethene (cis)	96	10.725	10.725 (0.969)		16403	0.50000	0.53
35 Ethyl acetate	88	Compound Not Detected.					
36 Methyl Ethyl Ketone	72	10.730	10.714 (0.969)		6041	0.50000	0.51(Q)
* 37 Bromochloromethane	128	11.072	11.072 (1.000)		293760	10.0000	
38 Tetrahydrofuran	42	11.141	11.104 (0.899)		15408	0.50000	0.55(a)
39 Chloroform	83	11.120	11.120 (1.004)		36525	0.50000	0.52
40 Cyclohexane	84	11.419	11.430 (0.922)		21210	0.50000	0.48
41 1,1,1-Trichloroethane	97	11.397	11.403 (0.920)		45968	0.50000	0.52
42 Carbon tetrachloride	117	11.600	11.600 (0.936)		44536	0.50000	0.47
43 2,2,4-Trimethylpentane	57	11.856	11.862 (0.957)		72764	0.50000	0.48
44 Benzene	78	11.899	11.905 (0.960)		45906	0.50000	0.49
45 1,2-Dichloroethane	62	11.974	11.979 (0.966)		27808	0.50000	0.51
46 n-Heptane	43	12.086	12.081 (0.975)		28167	0.50000	0.49
* 47 1,4-Difluorobenzene	114	12.390	12.390 (1.000)		1626587	10.0000	
48 n-Butanol	56	Compound Not Detected.					
49 Trichloroethene	95	12.758	12.758 (1.030)		22966	0.50000	0.47
50 1,2-Dichloropropane	63	13.116	13.116 (1.059)		15264	0.50000	0.49
51 Methyl methacrylate	69	13.137	13.132 (1.060)		12865	0.50000	0.43(aQ)
52 Dibromomethane	174	13.292	13.297 (1.073)		21735	0.50000	0.47
53 1,4-Dioxane	88	13.287	13.244 (1.072)		5834	0.50000	0.50(a)
54 Bromodichloromethane	83	13.452	13.452 (1.086)		38774	0.50000	0.49
55 1,3-Dichloropropene (cis)	75	14.066	14.066 (1.135)		27277	0.50000	0.50
56 Methyl isobutyl ketone	43	14.226	14.210 (1.148)		27941	0.50000	0.47(a)
57 n-Octane	43	14.471	14.466 (1.168)		40059	0.50000	0.51
58 Toluene	92	14.498	14.498 (0.889)		32835	0.50000	0.48
59 1,3-Dichloropropene (trans)	75	14.808	14.808 (1.195)		28346	0.50000	0.48
60 1,1,2-Trichloroethane	83	15.058	15.064 (0.923)		15126	0.50000	0.50
61 Tetrachloroethene	166	15.219	15.219 (0.933)		35940	0.50000	0.49

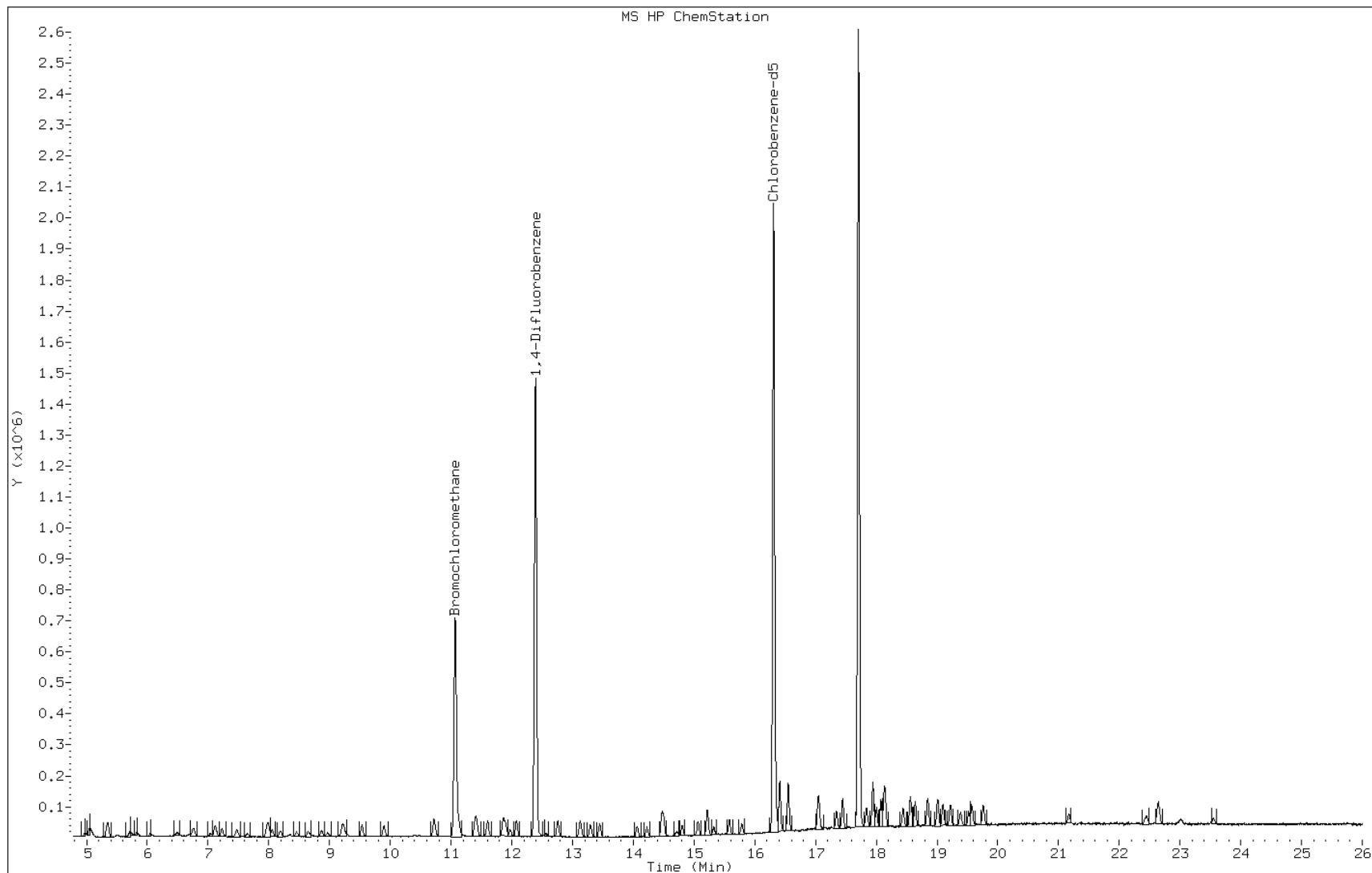
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.325	15.304	(0.939)	24512	0.50000	0.45(a)
63 Dibromochloromethane	129	15.581	15.582	(0.955)	34143	0.50000	0.45
64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	29570	0.50000	0.48
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1512709	10.0000	
66 Chlorobenzene	112	16.355	16.350	(1.003)	46153	0.50000	0.48(Q)
67 n-Nonane	57	16.419	16.420	(1.007)	32513	0.50000	0.47
68 Ethylbenzene	91	16.409	16.409	(1.006)	74800	0.50000	0.47
69 Xylene (m,p)	106	16.547	16.548	(1.014)	54663	1.00000	0.90
M 70 Xylenes, Total	106				81793	0.50000	1.4
71 Xylene (o)	106	17.038	17.044	(1.044)	27130	0.50000	0.46
72 Styrene	104	17.065	17.060	(1.046)	36333	0.50000	0.41
73 Bromoform	173	17.348	17.348	(1.063)	33237	0.50000	0.42
74 Isopropylbenzene	105	17.449	17.444	(1.070)	84444	0.50000	0.46
75 1,1,2,2-Tetrachloroethane	83	17.839	17.845	(1.094)	35883	0.50000	0.46
76 n-Propylbenzene	91	17.940	17.941	(1.100)	87412	0.50000	0.42
77 1,2,3-Trichloropropane	75	17.940	17.941	(1.100)	33106	0.50000	0.47(a)
78 n-Decane	57	18.004	17.999	(1.104)	27201	0.50000	0.33(a)
79 4-Ethyltoluene	105	18.074	18.074	(1.108)	73239	0.50000	0.40
80 2-Chlorotoluene	91	18.127	18.127	(1.111)	75296	0.50000	0.46
81 1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	66982	0.50000	0.42
82 Alpha Methyl Styrene	118	18.442	18.442	(1.131)	24638	0.50000	0.36
83 tert-butylbenzene	119	18.565	18.565	(1.138)	66858	0.50000	0.44
84 1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	65988	0.50000	0.42
85 sec-Butylbenzene	105	18.848	18.848	(1.155)	86537	0.50000	0.41
86 4-Isopropyltoluene	119	19.008	19.013	(1.165)	75765	0.50000	0.41
87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	45111	0.50000	0.42
88 1,4-Dichlorobenzene	146	19.216	19.221	(1.178)	43766	0.50000	0.42
89 Benzyl chloride	91	19.381	19.382	(1.188)	45518	0.50000	0.38
90 Undecane	57	19.520	19.520	(1.197)	18399	0.50000	0.23(a)
91 n-Butylbenzene	91	19.573	19.574	(1.200)	55439	0.50000	0.38
92 1,2-Dichlorobenzene	146	19.771	19.760	(1.212)	42159	0.50000	0.42
93 Dodecane	57	21.175	21.169	(1.298)	17898	0.50000	0.53(a)
94 1,2,4-Trichlorobenzene	180	22.450	22.440	(1.376)	18089	0.50000	0.37(a)
95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	30943	0.50000	0.49
96 Naphthalene	128	23.005	23.005	(1.410)	27864	0.50000	0.34(a)
97 1,2,3-Trichlorobenzene	180	23.549	23.544	(1.444)	16093	0.50000	0.44

QC Flag Legend

- a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: ckr005.d
Client ID: IC 303354
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 303354
Lab Sample ID: IC 303354

Date: 30-MAR-2012 18:12
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

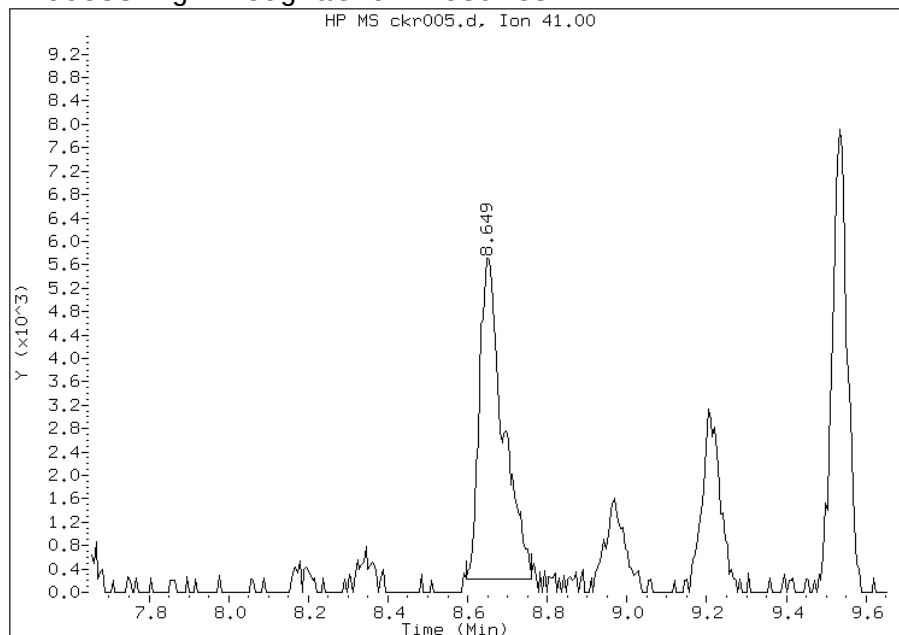


Manual Integration Report

Data File: ckr005.d
Lab Sample ID: IC 303354
Inj. Date and Time: 30-MAR-2012 18:12
Instrument ID: C.i
Client ID: IC 303354
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

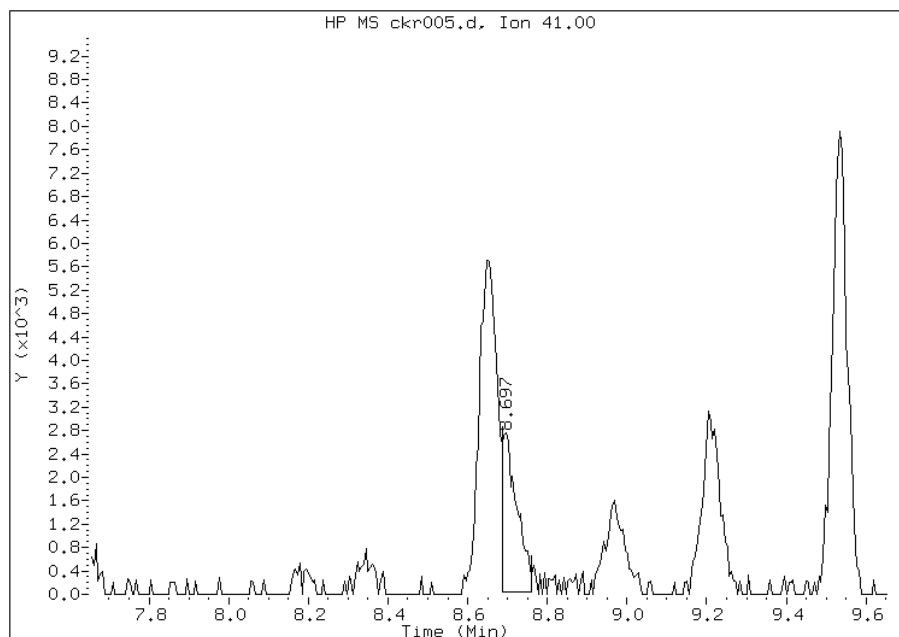
Processing Integration Results

RT: 8.65
Response: 22556
Amount: 1.53
Conc: 1.53



Manual Integration Results

RT: 8.70
Response: 7358
Amount: 0.530720
Conc: 0.530720



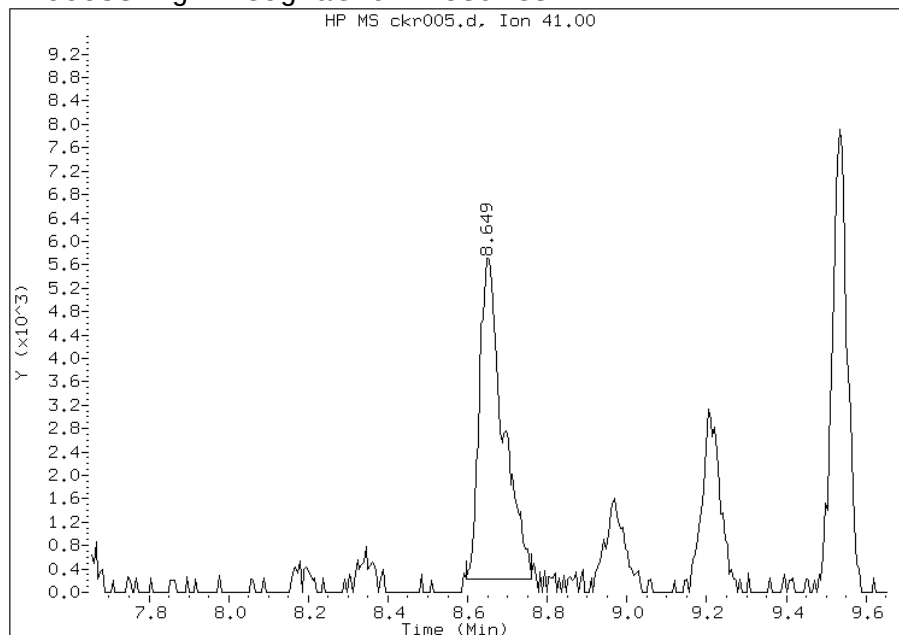
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr005.d
Lab Sample ID: IC 303354
Inj. Date and Time: 30-MAR-2012 18:12
Instrument ID: C.i
Client ID: IC 303354
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

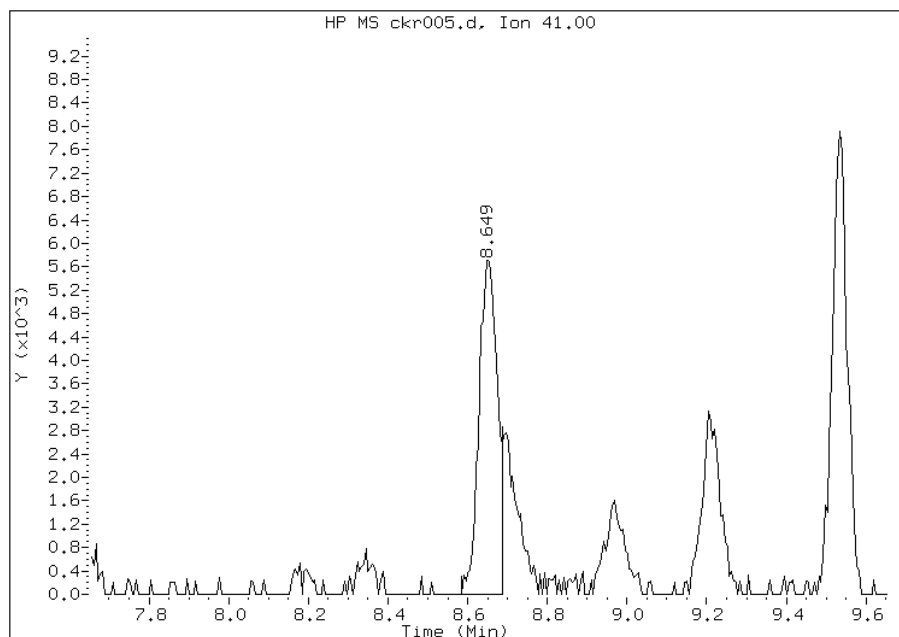
Processing Integration Results

RT: 8.65
Response: 22556
Amount: 0.582623
Conc: 0.582623



Manual Integration Results

RT: 8.65
Response: 18213
Amount: 0.492555
Conc: 0.492555



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr006.d
Lab Smp Id: IC 302595 Client Smp ID: IC 302595
Inj Date : 30-MAR-2012 19:02
Operator : pad Inst ID: C.i
Smp Info : IC 302595
Misc Info : 200,1, level 3
Comment :
Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
Meth Date : 02-Apr-2012 13:14 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 19:02 Cal File: ckr006.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.988	4.972	(0.450)	97962	5.00000	5.3
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	485480	5.00000	5.5
3 Chlorodifluoromethane	51	5.105	5.095	(0.461)	236440	5.00000	5.5
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.483)	437589	5.00000	5.3
5 Chloromethane	50	5.516	5.511	(0.498)	113314	5.00000	5.3
6 Butane	43	5.724	5.719	(0.517)	221993	5.00000	5.4
7 Vinyl chloride	62	5.767	5.762	(0.521)	137728	5.00000	5.3
8 1,3-Butadiene	54	5.842	5.831	(0.528)	100522	5.00000	5.3
9 Bromomethane	94	6.503	6.493	(0.587)	133048	5.00000	5.1
10 Chloroethane	64	6.696	6.690	(0.605)	71728	5.00000	5.2
11 2-Methylbutane	43	6.760	6.760	(0.611)	158933	5.00000	5.0
12 Vinyl bromide	106	7.042	7.043	(0.636)	131398	5.00000	5.2
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	514260	5.00000	5.3
14 Pentane	43	7.235	7.235	(0.653)	248504	5.00000	5.2

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.464	7.448 (0.674)		51817	10.0000	7.4
16 Ethyl ether	59	7.635	7.624 (0.690)		95854	5.00000	5.3
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.987 (0.721)		297770	5.00000	5.1
18 Acrolein	56	7.944	7.934 (0.718)		31344	5.00000	4.0(a)
19 1,1-Dichloroethene	96	8.062	8.057 (0.728)		132012	5.00000	5.0
20 Acetone	43	8.179	8.169 (0.739)		265061	5.00000	6.3
21 Carbon disulfide	76	8.467	8.462 (0.765)		368699	5.00000	5.1
22 Isopropanol	45	8.323	8.313 (0.752)		140979	5.00000	5.3
23 Allyl chloride	41	8.654	8.654 (0.782)		201262	5.00000	5.3(M)
24 Acetonitrile	41	8.686	8.654 (0.785)		72221	5.00000	5.0(QM)
25 Methylene chloride	49	8.868	8.868 (0.801)		152170	5.00000	5.2
26 Tert-butyl alcohol	59	8.937	8.927 (0.807)		228295	5.00000	5.2
27 Methyl tert-butyl ether	73	9.193	9.188 (0.830)		474151	5.00000	5.2
28 1,2-Dichloroethene (trans)	61	9.236	9.236 (0.834)		234260	5.00000	5.3
29 Acrylonitrile	53	9.289	9.289 (0.839)		84747	5.00000	5.2
30 n-Hexane	57	9.535	9.535 (0.861)		237294	5.00000	5.1
31 1,1-Dichloroethane	63	9.903	9.903 (0.894)		286692	5.00000	5.2
32 Vinyl acetate	43	9.887	9.887 (0.893)		304636	5.00000	4.8(a)
M 33 1,2-Dichloroethene,Total	61				388545	10.0000	10
34 1,2-Dichloroethene (cis)	96	10.725	10.725 (0.969)		154285	5.00000	4.8
35 Ethyl acetate	88	10.714	10.709 (0.968)		12114	5.00000	4.9(a)
36 Methyl Ethyl Ketone	72	10.714	10.714 (0.968)		63100	5.00000	5.1
* 37 Bromochloromethane	128	11.072	11.072 (1.000)		304019	10.0000	
38 Tetrahydrofuran	42	11.114	11.104 (0.897)		151576	5.00000	5.4
39 Chloroform	83	11.125	11.120 (1.005)		383502	5.00000	5.2
40 Cyclohexane	84	11.435	11.430 (0.923)		227421	5.00000	5.1
41 1,1,1-Trichloroethane	97	11.403	11.403 (0.920)		471661	5.00000	5.3
42 Carbon tetrachloride	117	11.600	11.600 (0.936)		492510	5.00000	5.2
43 2,2,4-Trimethylpentane	57	11.862	11.862 (0.957)		772111	5.00000	5.1
44 Benzene	78	11.904	11.905 (0.961)		466734	5.00000	5.0
45 1,2-Dichloroethane	62	11.979	11.979 (0.967)		292126	5.00000	5.3
46 n-Heptane	43	12.080	12.081 (0.975)		304904	5.00000	5.3
* 47 1,4-Difluorobenzene	114	12.390	12.390 (1.000)		1634187	10.0000	
48 n-Butanol	56	12.529	12.529 (1.011)		42682	5.00000	3.9(aM)
49 Trichloroethene	95	12.764	12.758 (1.030)		235298	5.00000	4.8
50 1,2-Dichloropropane	63	13.121	13.116 (1.059)		162030	5.00000	5.1
51 Methyl methacrylate	69	13.137	13.132 (1.060)		156775	5.00000	5.2
52 Dibromomethane	174	13.297	13.297 (1.073)		235364	5.00000	5.1
53 1,4-Dioxane	88	13.260	13.244 (1.070)		61880	5.00000	5.3
54 Bromodichloromethane	83	13.452	13.452 (1.086)		427796	5.00000	5.4
55 1,3-Dichloropropene (cis)	75	14.066	14.066 (1.135)		281009	5.00000	5.1
56 Methyl isobutyl ketone	43	14.210	14.210 (1.147)		318228	5.00000	5.3
57 n-Octane	43	14.466	14.466 (1.168)		411104	5.00000	5.2
58 Toluene	92	14.498	14.498 (0.889)		349793	5.00000	4.9
59 1,3-Dichloropropene (trans)	75	14.808	14.808 (1.195)		307337	5.00000	5.1
60 1,1,2-Trichloroethane	83	15.064	15.064 (0.923)		161220	5.00000	5.0
61 Tetrachloroethene	166	15.224	15.219 (0.933)		385412	5.00000	5.0

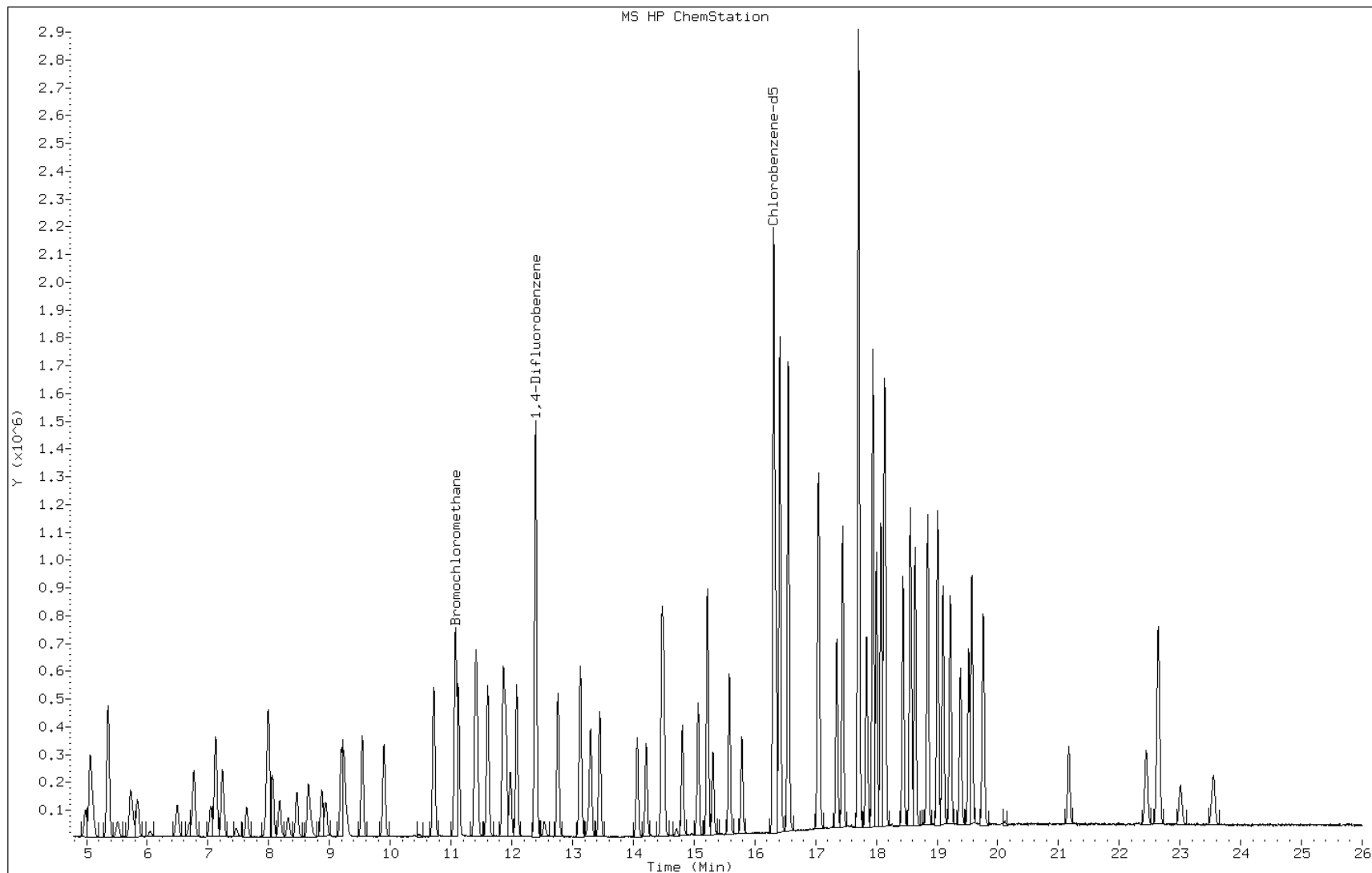
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.309	15.304	(0.938)	272165	5.00000	4.7
63 Dibromochloromethane	129	15.581	15.582	(0.955)	413697	5.00000	5.2
64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	322656	5.00000	5.0
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1592895	10.0000	
66 Chlorobenzene	112	16.350	16.350	(1.002)	506357	5.00000	5.0
67 n-Nonane	57	16.419	16.420	(1.007)	362424	5.00000	5.0
68 Ethylbenzene	91	16.414	16.409	(1.006)	837822	5.00000	5.0
69 Xylene (m,p)	106	16.547	16.548	(1.014)	628446	10.0000	9.8
M 70 Xylenes, Total	106				939045	5.00000	15
71 Xylene (o)	106	17.044	17.044	(1.045)	310599	5.00000	5.0
72 Styrene	104	17.060	17.060	(1.046)	462613	5.00000	4.9
73 Bromoform	173	17.348	17.348	(1.063)	433846	5.00000	5.2
74 Isopropylbenzene	105	17.444	17.444	(1.069)	975348	5.00000	5.0
75 1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	419523	5.00000	5.1
76 n-Propylbenzene	91	17.946	17.941	(1.100)	1109158	5.00000	5.1
77 1,2,3-Trichloropropane	75	17.940	17.941	(1.100)	380969	5.00000	5.2
78 n-Decane	57	17.999	17.999	(1.103)	425979	5.00000	4.9
79 4-Ethyltoluene	105	18.074	18.074	(1.108)	974747	5.00000	5.1
80 2-Chlorotoluene	91	18.127	18.127	(1.111)	859565	5.00000	5.0
81 1,3,5-Trimethylbenzene	105	18.148	18.143	(1.113)	854349	5.00000	5.0
82 Alpha Methyl Styrene	118	18.442	18.442	(1.131)	370416	5.00000	5.1
83 tert-butylbenzene	119	18.565	18.565	(1.138)	817183	5.00000	5.1
84 1,2,4-Trimethylbenzene	105	18.639	18.634	(1.143)	829277	5.00000	5.0
85 sec-Butylbenzene	105	18.848	18.848	(1.155)	1115983	5.00000	5.1
86 4-Isopropyltoluene	119	19.008	19.013	(1.165)	962959	5.00000	4.9
87 1,3-Dichlorobenzene	146	19.098	19.099	(1.171)	548229	5.00000	4.9
88 1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	528411	5.00000	4.8
89 Benzyl chloride	91	19.387	19.382	(1.188)	640812	5.00000	5.1
90 Undecane	57	19.520	19.520	(1.197)	301532	5.00000	3.6(a)
91 n-Butylbenzene	91	19.573	19.574	(1.200)	759691	5.00000	4.9
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	516439	5.00000	4.9
93 Dodecane	57	21.169	21.169	(1.298)	157258	5.00000	4.4(a)
94 1,2,4-Trichlorobenzene	180	22.439	22.440	(1.376)	184889	5.00000	3.6
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	306660	5.00000	4.6
96 Naphthalene	128	23.010	23.005	(1.411)	249230	5.00000	2.9
97 1,2,3-Trichlorobenzene	180	23.549	23.544	(1.444)	134738	5.00000	3.5

QC Flag Legend

- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: ckr006.d
Client ID: IC 302595
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 302595
Lab Sample ID: IC 302595

Date: 30-MAR-2012 19:02
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

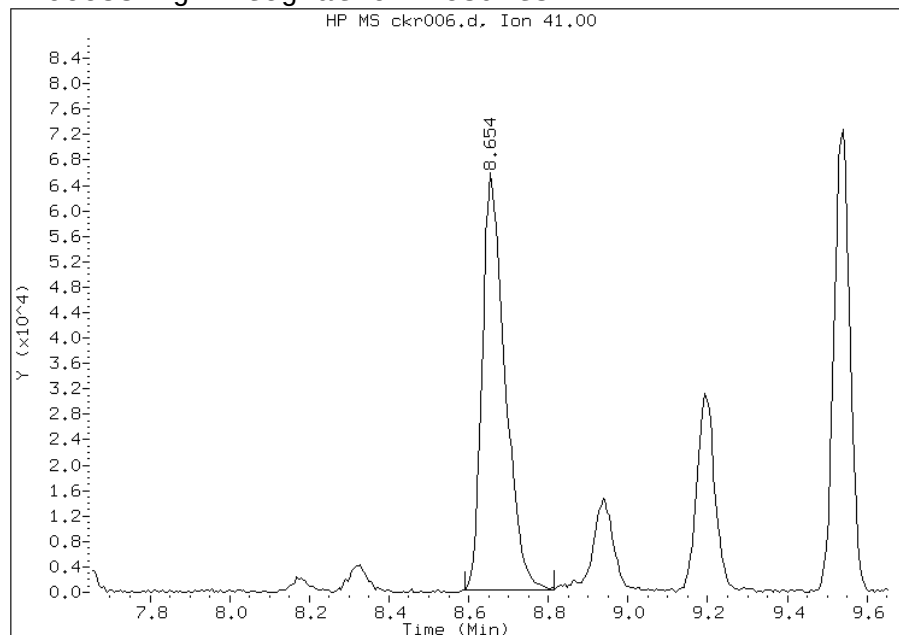


Manual Integration Report

Data File: ckr006.d
Lab Sample ID: IC 302595
Inj. Date and Time: 30-MAR-2012 19:02
Instrument ID: C.i
Client ID: IC 302595
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

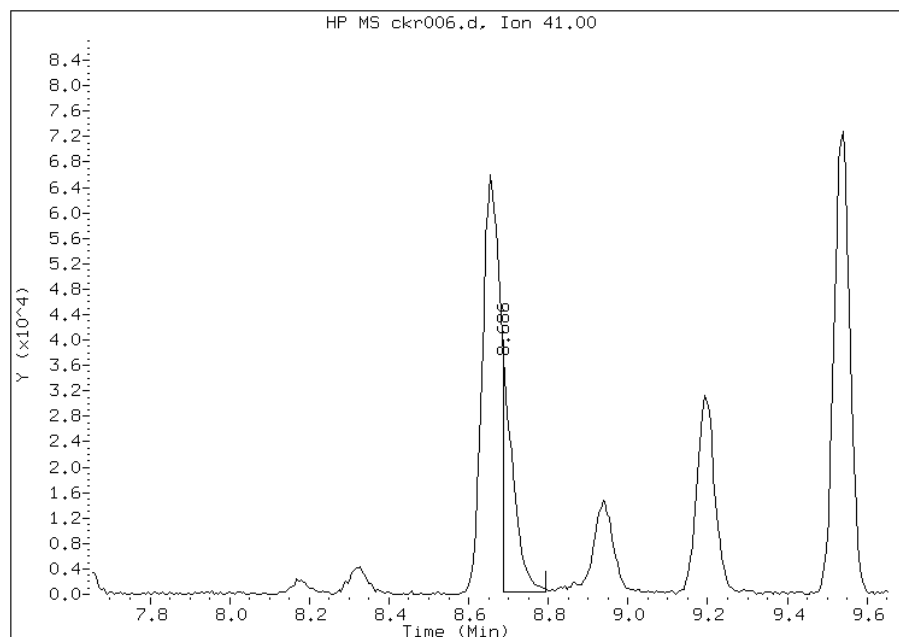
Processing Integration Results

RT: 8.65
Response: 261890
Amount: 11.79
Conc: 11.79



Manual Integration Results

RT: 8.69
Response: 72221
Amount: 5.03
Conc: 5.03



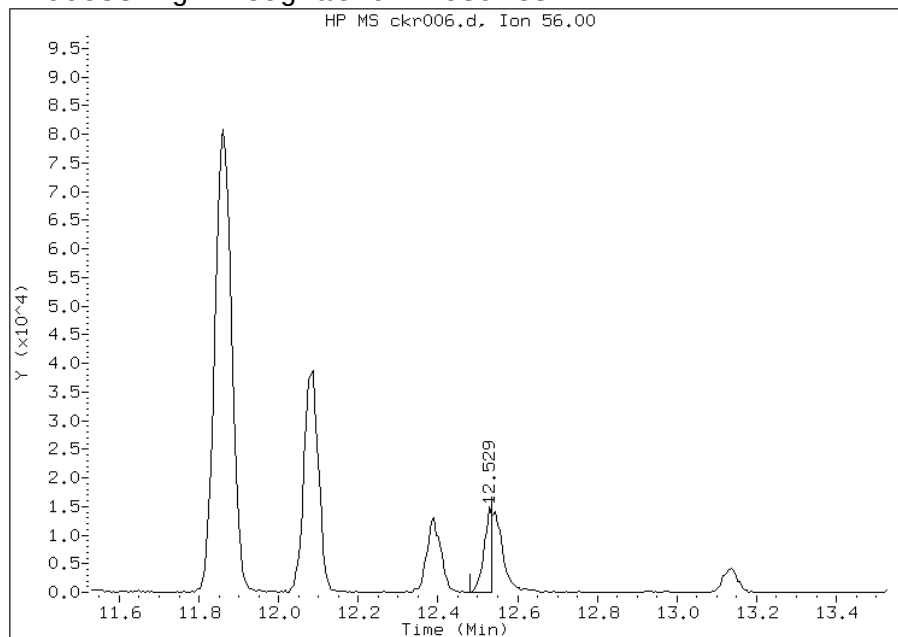
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr006.d
Lab Sample ID: IC 302595
Inj. Date and Time: 30-MAR-2012 19:02
Instrument ID: C.i
Client ID: IC 302595
Compound: 48 n-Butanol
CAS #: 71-36-3
Report Date: 04/02/2012

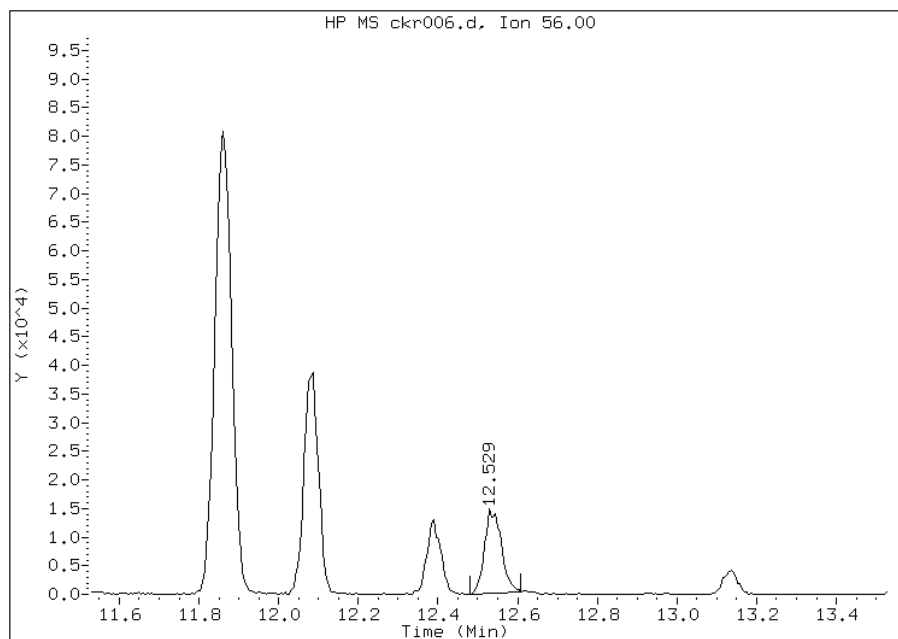
Processing Integration Results

RT: 12.53
Response: 19611
Amount: 1.94
Conc: 1.94



Manual Integration Results

RT: 12.53
Response: 42682
Amount: 3.87
Conc: 3.87



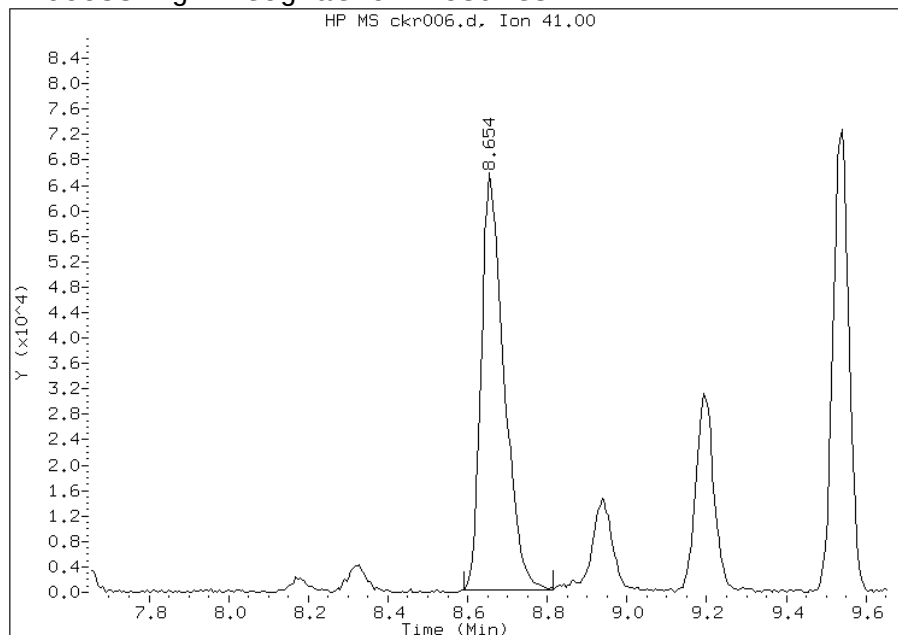
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr006.d
Lab Sample ID: IC 302595
Inj. Date and Time: 30-MAR-2012 19:02
Instrument ID: C.i
Client ID: IC 302595
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

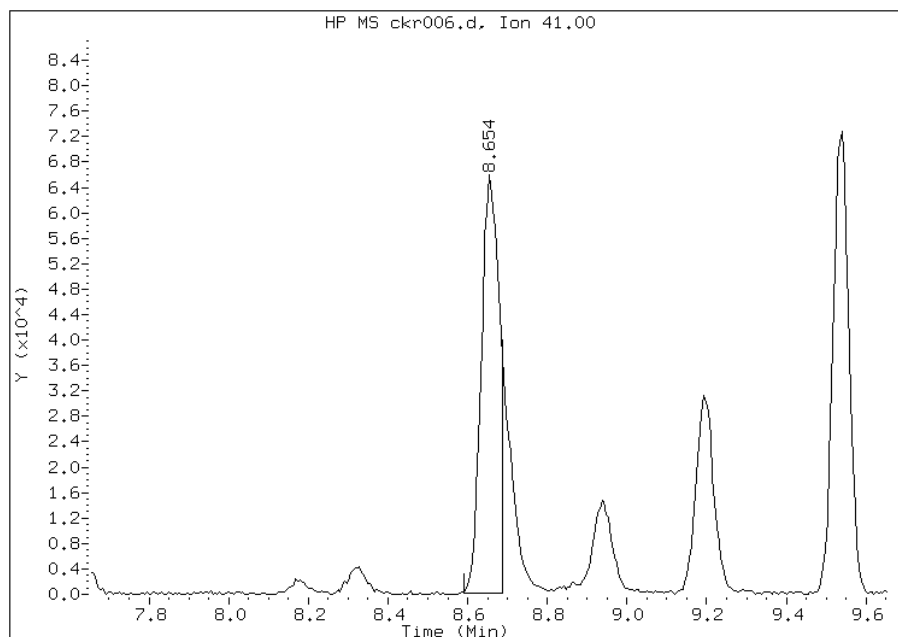
Processing Integration Results

RT: 8.65
Response: 261890
Amount: 6.48
Conc: 6.48



Manual Integration Results

RT: 8.65
Response: 201262
Amount: 5.26
Conc: 5.26



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr007.d
 Lab Smp Id: ICIS 302576 Client Smp ID: ICIS 302576
 Inj Date : 30-MAR-2012 19:52
 Operator : pad Inst ID: C.i
 Smp Info : ICIS 302576
 Misc Info : 200,1, level 4
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
 Meth Date : 02-Apr-2012 12:57 klp Quant Type: ISTD
 Cal Date : 30-MAR-2012 19:52 Cal File: ckr007.d
 Als bottle: 5 Calibration Sample, Level: 4
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
							(ppb v/v)	(ppb v/v)
1 Propene		41	4.972	4.972	(0.449)	200028	10.0000	8.7
2 Dichlorodifluoromethane		85	5.057	5.057	(0.457)	983944	10.0000	9.2
3 Chlorodifluoromethane		51	5.095	5.095	(0.460)	475892	10.0000	9.1
4 1,2-Dichloro-1,1,2,2-tetraflu		85	5.345	5.345	(0.483)	913507	10.0000	9.3
5 Chloromethane		50	5.511	5.511	(0.498)	234812	10.0000	9.1
6 Butane		43	5.719	5.719	(0.517)	464641	10.0000	9.5
7 Vinyl chloride		62	5.762	5.762	(0.520)	289859	10.0000	9.7
8 1,3-Butadiene		54	5.831	5.831	(0.527)	208728	10.0000	9.5
9 Bromomethane		94	6.493	6.493	(0.586)	285524	10.0000	9.3
10 Chloroethane		64	6.690	6.690	(0.604)	156276	10.0000	9.5
11 2-Methylbutane		43	6.760	6.760	(0.611)	339111	10.0000	8.7
12 Vinyl bromide		106	7.043	7.043	(0.636)	288289	10.0000	10
13 Trichlorofluoromethane		101	7.123	7.123	(0.643)	1086616	10.0000	9.4
14 Pentane		43	7.235	7.235	(0.653)	538764	10.0000	9.6

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.448	7.448	(0.673)	128364	15.0000	16
16 Ethyl ether	59	7.624	7.624	(0.689)	209833	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.721)	647420	10.0000	9.6
18 Acrolein	56	7.934	7.934	(0.717)	95801	10.0000	12
19 1,1-Dichloroethene	96	8.057	8.057	(0.728)	287828	10.0000	9.5
20 Acetone	43	8.169	8.169	(0.738)	478753	10.0000	8.9
21 Carbon disulfide	76	8.462	8.462	(0.764)	823232	10.0000	9.9
22 Isopropanol	45	8.313	8.313	(0.751)	320683	10.0000	10
23 Allyl chloride	41	8.654	8.654	(0.782)	403207	10.0000	9.2(M)
24 Acetonitrile	41	8.676	8.654	(0.784)	193235	10.0000	11(QM)
25 Methylene chloride	49	8.868	8.868	(0.801)	321229	10.0000	9.1
26 Tert-butyl alcohol	59	8.927	8.927	(0.806)	515024	10.0000	10
27 Methyl tert-butyl ether	73	9.188	9.188	(0.830)	1036741	10.0000	9.7
28 1,2-Dichloroethene (trans)	61	9.236	9.236	(0.834)	509287	10.0000	10
29 Acrylonitrile	53	9.289	9.289	(0.839)	188301	10.0000	10
30 n-Hexane	57	9.535	9.535	(0.861)	518788	10.0000	9.8
31 1,1-Dichloroethane	63	9.903	9.903	(0.894)	628211	10.0000	9.8
32 Vinyl acetate	43	9.887	9.887	(0.893)	774667	10.0000	11
M 33 1,2-Dichloroethene,Total	61				856023	20.0000	19
34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	346736	10.0000	9.3
35 Ethyl acetate	88	10.709	10.709	(0.967)	29551	10.0000	10
36 Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	145713	10.0000	10
* 37 Bromochloromethane	128	11.072	11.072	(1.000)	340102	10.0000	
38 Tetrahydrofuran	42	11.104	11.104	(0.896)	331903	10.0000	9.8
39 Chloroform	83	11.120	11.120	(1.004)	824239	10.0000	9.7
40 Cyclohexane	84	11.430	11.430	(0.922)	500289	10.0000	10
41 1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	997180	10.0000	9.5
42 Carbon tetrachloride	117	11.600	11.600	(0.936)	1047880	10.0000	9.4
43 2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	1691186	10.0000	9.8
44 Benzene	78	11.905	11.905	(0.961)	1033886	10.0000	9.6
45 1,2-Dichloroethane	62	11.979	11.979	(0.967)	616135	10.0000	9.5
46 n-Heptane	43	12.081	12.081	(0.975)	647173	10.0000	9.6
* 47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1877216	10.0000	
48 n-Butanol	56	12.529	12.529	(1.011)	131722	10.0000	11
49 Trichloroethene	95	12.758	12.758	(1.030)	521748	10.0000	9.1
50 1,2-Dichloropropane	63	13.116	13.116	(1.059)	356646	10.0000	9.7
51 Methyl methacrylate	69	13.132	13.132	(1.060)	356424	10.0000	11
52 Dibromomethane	174	13.297	13.297	(1.073)	530004	10.0000	10
53 1,4-Dioxane	88	13.244	13.244	(1.069)	137528	10.0000	9.8
54 Bromodichloromethane	83	13.452	13.452	(1.086)	929664	10.0000	10
55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	628908	10.0000	10
56 Methyl isobutyl ketone	43	14.210	14.210	(1.147)	723124	10.0000	10
57 n-Octane	43	14.466	14.466	(1.168)	888325	10.0000	9.5
58 Toluene	92	14.498	14.498	(0.889)	793769	10.0000	10
59 1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	686123	10.0000	10
60 1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	353411	10.0000	9.9
61 Tetrachloroethene	166	15.219	15.219	(0.933)	854823	10.0000	10

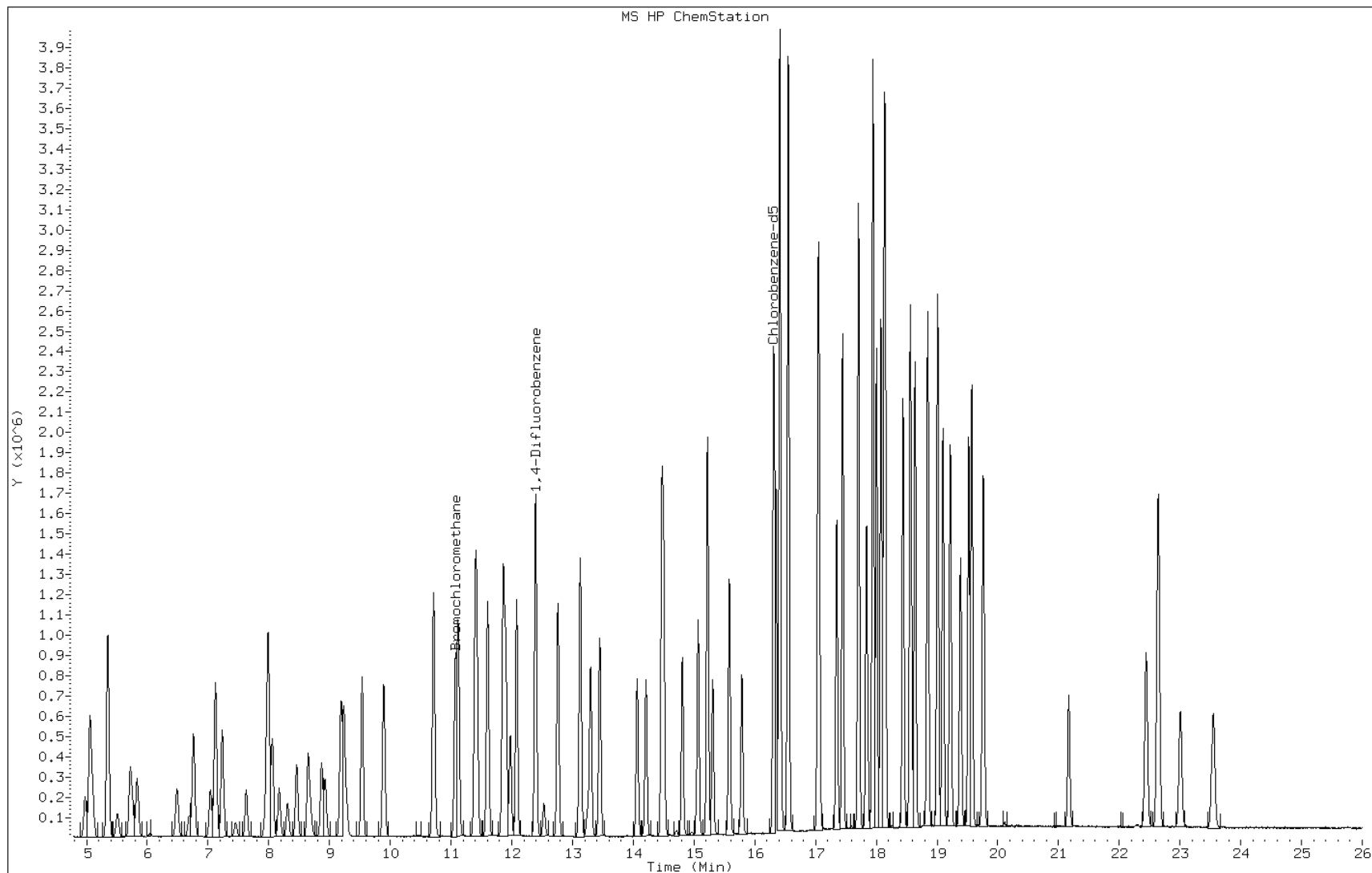
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.304	15.304	(0.938)	691575	10.0000	11
63 Dibromochloromethane	129	15.582	15.582	(0.955)	928103	10.0000	11
64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	723181	10.0000	10
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1751499	10.0000	
66 Chlorobenzene	112	16.350	16.350	(1.002)	1131931	10.0000	10
67 n-Nonane	57	16.420	16.420	(1.007)	820868	10.0000	10
68 Ethylbenzene	91	16.409	16.409	(1.006)	1893563	10.0000	10
69 Xylene (m,p)	106	16.548	16.548	(1.014)	1450108	20.0000	21
M 70 Xylenes, Total	106				2145748	10.0000	32
71 Xylene (o)	106	17.044	17.044	(1.045)	695640	10.0000	10
72 Styrene	104	17.060	17.060	(1.046)	1089639	10.0000	11
73 Bromoform	173	17.348	17.348	(1.063)	985163	10.0000	11
74 Isopropylbenzene	105	17.444	17.444	(1.069)	2188316	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	17.845	17.845	(1.094)	923119	10.0000	10
76 n-Propylbenzene	91	17.941	17.941	(1.100)	2519074	10.0000	11
77 1,2,3-Trichloropropane	75	17.941	17.941	(1.100)	829058	10.0000	10
78 n-Decane	57	17.999	17.999	(1.103)	1018401	10.0000	12
79 4-Ethyltoluene	105	18.074	18.074	(1.108)	2251125	10.0000	11
80 2-Chlorotoluene	91	18.127	18.127	(1.111)	1906628	10.0000	10
81 1,3,5-Trimethylbenzene	105	18.143	18.143	(1.112)	1971544	10.0000	11
82 Alpha Methyl Styrene	118	18.442	18.442	(1.131)	900380	10.0000	13
83 tert-butylbenzene	119	18.565	18.565	(1.138)	1836619	10.0000	11
84 1,2,4-Trimethylbenzene	105	18.634	18.634	(1.142)	1914256	10.0000	11
85 sec-Butylbenzene	105	18.848	18.848	(1.155)	2548731	10.0000	11
86 4-Isopropyltoluene	119	19.013	19.013	(1.166)	2265004	10.0000	11
87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	1271660	10.0000	11
88 1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	1232034	10.0000	11
89 Benzyl chloride	91	19.382	19.382	(1.188)	1506200	10.0000	12
90 Undecane	57	19.520	19.520	(1.197)	912876	10.0000	12
91 n-Butylbenzene	91	19.574	19.574	(1.200)	1836734	10.0000	12
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	1194423	10.0000	11
93 Dodecane	57	21.169	21.169	(1.298)	353941	10.0000	10
94 1,2,4-Trichlorobenzene	180	22.440	22.440	(1.376)	590657	10.0000	13
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	712972	10.0000	10
96 Naphthalene	128	23.005	23.005	(1.410)	1028891	10.0000	14
97 1,2,3-Trichlorobenzene	180	23.544	23.544	(1.443)	436829	10.0000	11

QC Flag Legend

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

Data File: ckr007.d
Client ID: ICIS 302576
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ICIS 302576
Lab Sample ID: ICIS 302576

Date: 30-MAR-2012 19:52
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

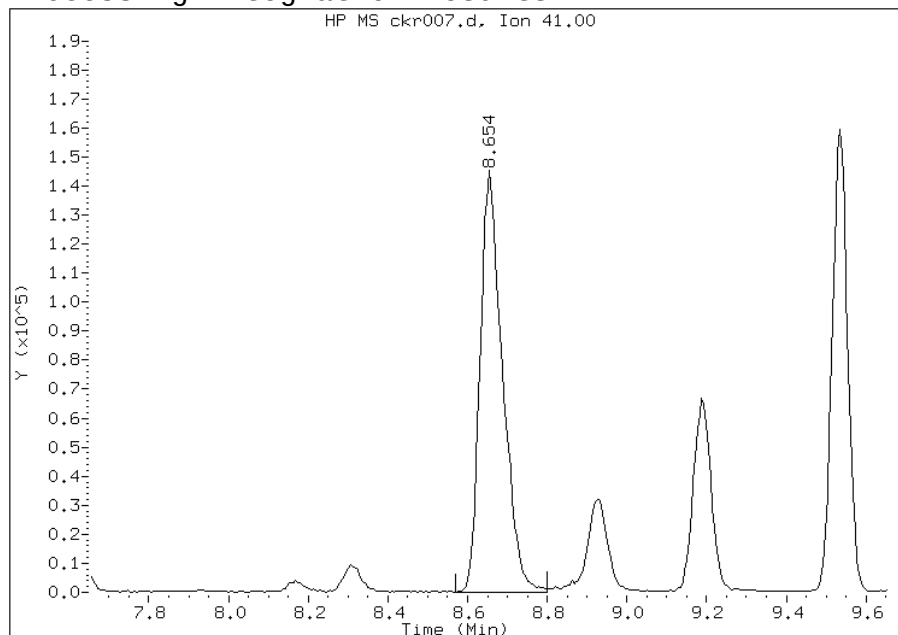


Manual Integration Report

Data File: ckr007.d
Lab Sample ID: ICIS 302576
Inj. Date and Time: 30-MAR-2012 19:52
Instrument ID: C.i
Client ID: ICIS 302576
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

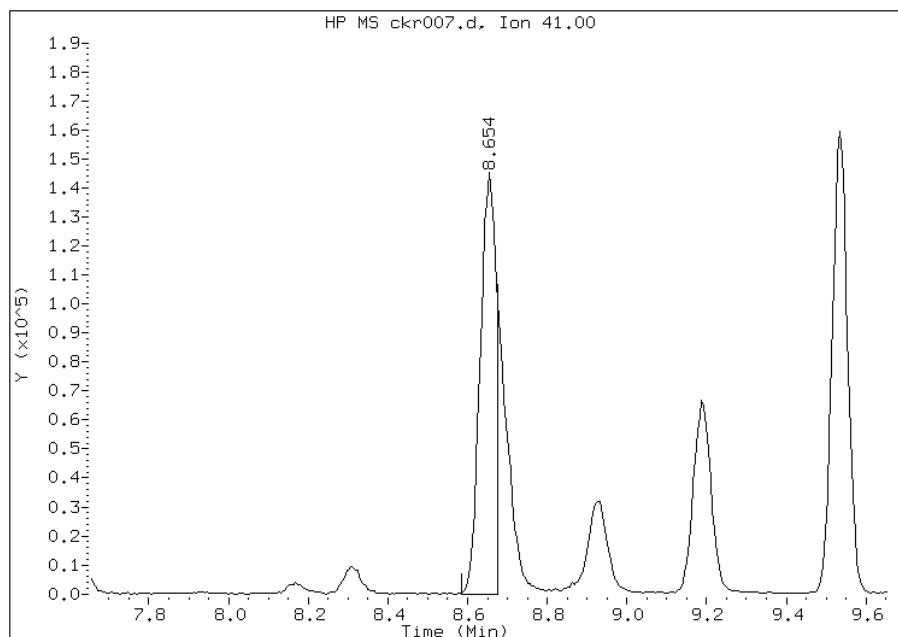
Processing Integration Results

RT: 8.65
Response: 568448
Amount: 12.55
Conc: 12.55



Manual Integration Results

RT: 8.65
Response: 403207
Amount: 9.20
Conc: 9.20



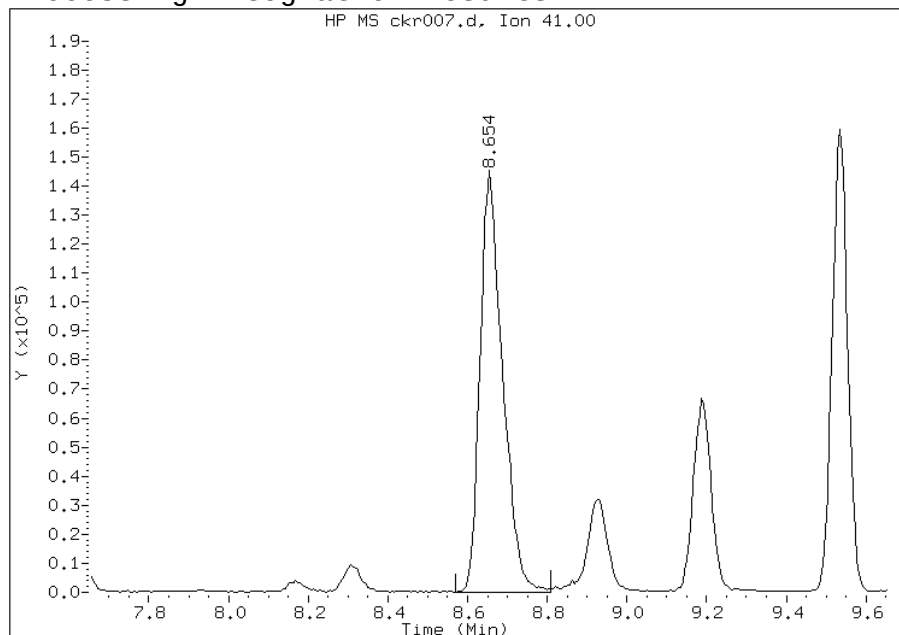
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr007.d
Lab Sample ID: ICIS 302576
Inj. Date and Time: 30-MAR-2012 19:52
Instrument ID: C.i
Client ID: ICIS 302576
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

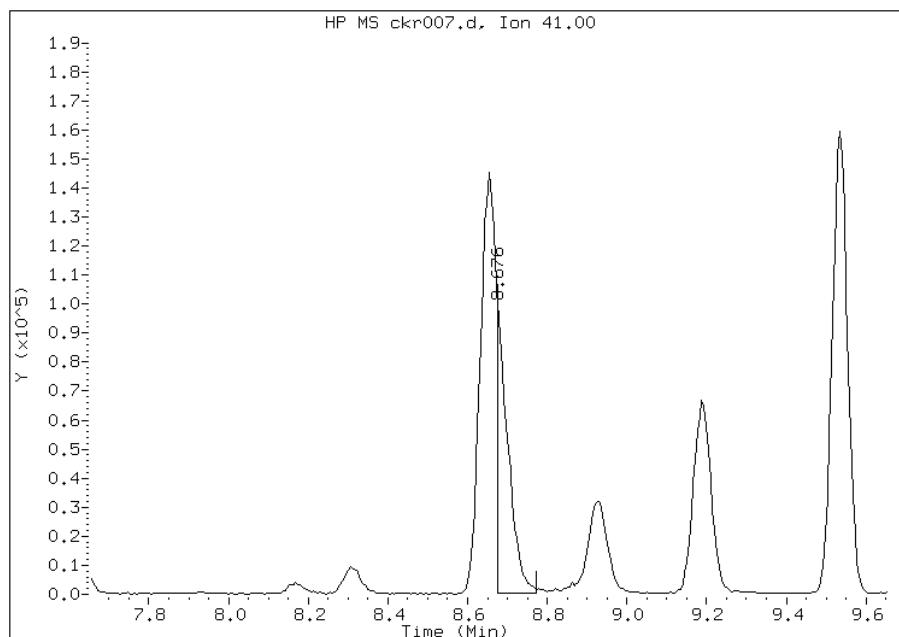
Processing Integration Results

RT: 8.65
Response: 569211
Amount: 23.24
Conc: 23.24



Manual Integration Results

RT: 8.68
Response: 193235
Amount: 10.89
Conc: 10.89



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr008.d
Lab Smp Id: IC 302594 Client Smp ID: IC 302594
Inj Date : 30-MAR-2012 20:41
Operator : pad Inst ID: C.i
Smp Info : IC 302594
Misc Info : 200,1, level 5
Comment :
Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
Meth Date : 02-Apr-2012 12:57 klp Quant Type: ISTD
Cal Date : 30-MAR-2012 20:41 Cal File: ckr008.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.988	4.972	(0.450)	300329	15.0000	13
2 Dichlorodifluoromethane	85	5.063	5.057	(0.457)	1483394	15.0000	14
3 Chlorodifluoromethane	51	5.105	5.095	(0.461)	722795	15.0000	14
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.483)	1383071	15.0000	14
5 Chloromethane	50	5.516	5.511	(0.498)	356109	15.0000	14
6 Butane	43	5.724	5.719	(0.517)	704938	15.0000	14
7 Vinyl chloride	62	5.767	5.762	(0.521)	442565	15.0000	14
8 1,3-Butadiene	54	5.842	5.831	(0.528)	326865	15.0000	14
9 Bromomethane	94	6.498	6.493	(0.587)	428325	15.0000	14
10 Chloroethane	64	6.696	6.690	(0.605)	234837	15.0000	14
11 2-Methylbutane	43	6.765	6.760	(0.611)	498593	15.0000	13
12 Vinyl bromide	106	7.048	7.043	(0.637)	442812	15.0000	15
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	1633211	15.0000	14
14 Pentane	43	7.245	7.235	(0.654)	812279	15.0000	14

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.459	7.448	(0.674)	160828	20.0000	19
16 Ethyl ether	59	7.635	7.624	(0.690)	318475	15.0000	15
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.993	7.987	(0.722)	999753	15.0000	14
18 Acrolein	56	7.934	7.934	(0.717)	143858	15.0000	16
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	444738	15.0000	14
20 Acetone	43	8.174	8.169	(0.738)	714913	15.0000	13
21 Carbon disulfide	76	8.467	8.462	(0.765)	1269988	15.0000	15
22 Isopropanol	45	8.313	8.313	(0.751)	465553	15.0000	14
23 Allyl chloride	41	8.660	8.654	(0.782)	665459	15.0000	15(M)
24 Acetonitrile	41	8.692	8.654	(0.785)	206587	15.0000	12(QM)
25 Methylene chloride	49	8.873	8.868	(0.801)	482827	15.0000	13
26 Tert-butyl alcohol	59	8.932	8.927	(0.807)	750849	15.0000	14
27 Methyl tert-butyl ether	73	9.193	9.188	(0.830)	1565320	15.0000	14
28 1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	765346	15.0000	14
29 Acrylonitrile	53	9.289	9.289	(0.839)	289006	15.0000	15
30 n-Hexane	57	9.540	9.535	(0.862)	790638	15.0000	14
31 1,1-Dichloroethane	63	9.903	9.903	(0.894)	950378	15.0000	14
32 Vinyl acetate	43	9.892	9.887	(0.893)	1156392	15.0000	15
M 33 1,2-Dichloroethene,Total	61				1296422	30.0000	28
34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	531076	15.0000	14
35 Ethyl acetate	88	10.714	10.709	(0.968)	45560	15.0000	15
36 Methyl Ethyl Ketone	72	10.709	10.714	(0.967)	224893	15.0000	15(Q)
* 37 Bromochloromethane	128	11.072	11.072	(1.000)	358889	10.0000	
38 Tetrahydrofuran	42	11.109	11.104	(0.896)	496954	15.0000	15
39 Chloroform	83	11.125	11.120	(1.005)	1243580	15.0000	14
40 Cyclohexane	84	11.429	11.430	(0.922)	776286	15.0000	15
41 1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	1511411	15.0000	14
42 Carbon tetrachloride	117	11.606	11.600	(0.936)	1571456	15.0000	14
43 2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	2613448	15.0000	15
44 Benzene	78	11.904	11.905	(0.960)	1593725	15.0000	15
45 1,2-Dichloroethane	62	11.979	11.979	(0.966)	915709	15.0000	14
46 n-Heptane	43	12.081	12.081	(0.975)	987927	15.0000	15
* 47 1,4-Difluorobenzene	114	12.395	12.390	(1.000)	1896394	10.0000	
48 n-Butanol	56	12.529	12.529	(1.011)	197367	15.0000	16
49 Trichloroethene	95	12.764	12.758	(1.030)	802921	15.0000	14
50 1,2-Dichloropropane	63	13.127	13.116	(1.059)	538138	15.0000	15
51 Methyl methacrylate	69	13.132	13.132	(1.059)	540191	15.0000	16
52 Dibromomethane	174	13.297	13.297	(1.073)	811839	15.0000	15
53 1,4-Dioxane	88	13.244	13.244	(1.068)	197487	15.0000	14
54 Bromodichloromethane	83	13.452	13.452	(1.085)	1396099	15.0000	15
55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	958930	15.0000	15
56 Methyl isobutyl ketone	43	14.210	14.210	(1.146)	1066489	15.0000	15
57 n-Octane	43	14.472	14.466	(1.167)	1331855	15.0000	14
58 Toluene	92	14.498	14.498	(0.889)	1211369	15.0000	15
59 1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	1051399	15.0000	15
60 1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	545708	15.0000	15
61 Tetrachloroethene	166	15.224	15.219	(0.933)	1312837	15.0000	15

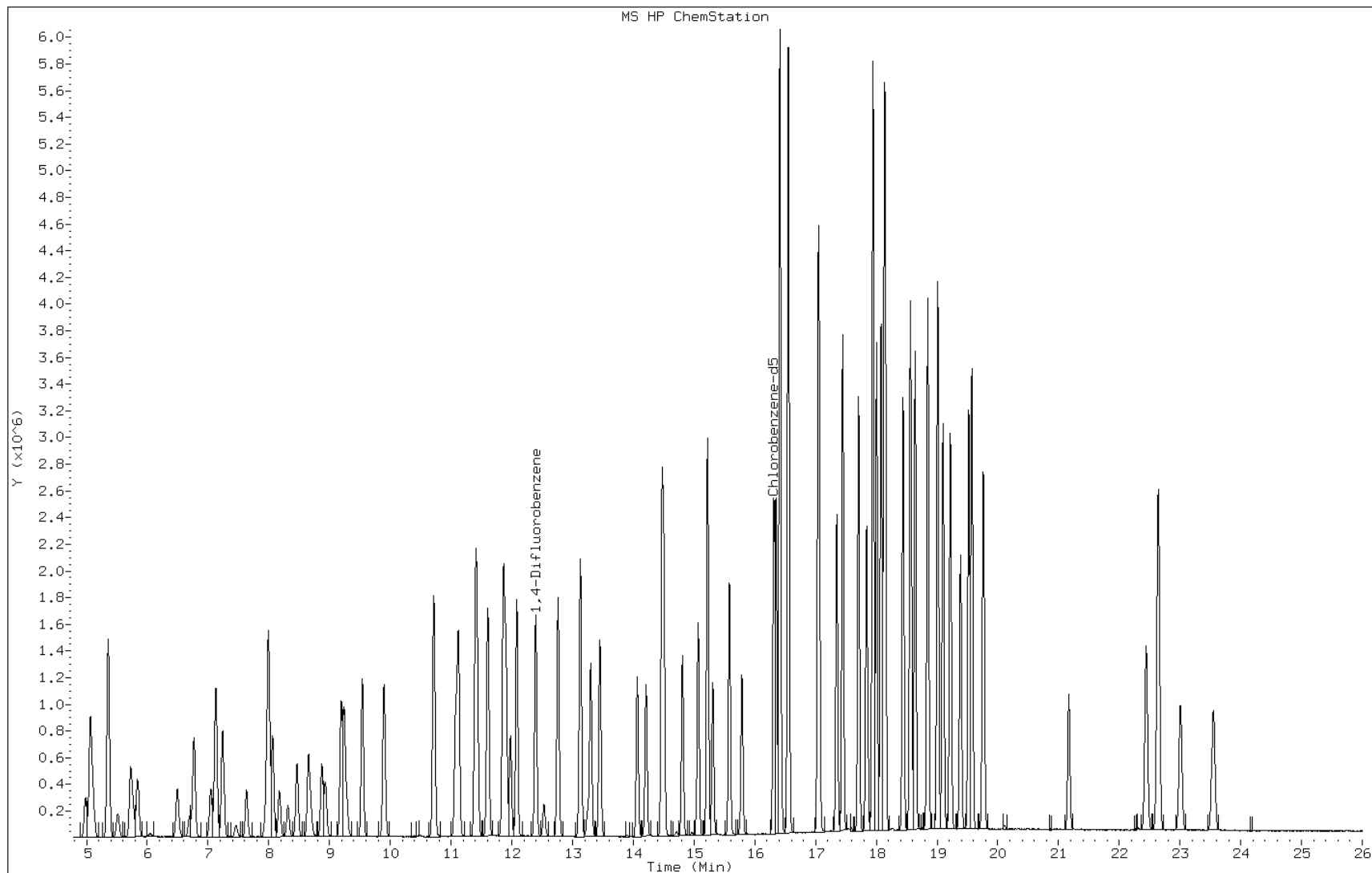
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.309	15.304	(0.938)	1016113	15.0000	15
63 Dibromochloromethane	129	15.582	15.582	(0.955)	1412972	15.0000	16
64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	1107677	15.0000	15
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1839100	10.0000	
66 Chlorobenzene	112	16.350	16.350	(1.002)	1729353	15.0000	15
67 n-Nonane	57	16.419	16.420	(1.007)	1257375	15.0000	15
68 Ethylbenzene	91	16.414	16.409	(1.006)	2941094	15.0000	15
69 Xylene (m,p)	106	16.548	16.548	(1.014)	2252450	30.0000	31
M 70 Xylenes, Total	106				3336480	15.0000	47
71 Xylene (o)	106	17.044	17.044	(1.045)	1084030	15.0000	15
72 Styrene	104	17.060	17.060	(1.046)	1722842	15.0000	17
73 Bromoform	173	17.348	17.348	(1.063)	1527361	15.0000	16
74 Isopropylbenzene	105	17.450	17.444	(1.070)	3372066	15.0000	15
75 1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	1404118	15.0000	15
76 n-Propylbenzene	91	17.946	17.941	(1.100)	3908698	15.0000	16(H)
77 1,2,3-Trichloropropane	75	17.946	17.941	(1.100)	1263518	15.0000	15
78 n-Decane	57	18.005	17.999	(1.104)	1586274	15.0000	17
79 4-Ethyltoluene	105	18.079	18.074	(1.108)	3459221	15.0000	16
80 2-Chlorotoluene	91	18.127	18.127	(1.111)	2950593	15.0000	15
81 1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	3060865	15.0000	16
82 Alpha Methyl Styrene	118	18.442	18.442	(1.131)	1391489	15.0000	18
83 tert-butylbenzene	119	18.565	18.565	(1.138)	2843323	15.0000	16
84 1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	2955641	15.0000	16
85 sec-Butylbenzene	105	18.848	18.848	(1.155)	3953242	15.0000	16
86 4-Isopropyltoluene	119	19.013	19.013	(1.166)	3535794	15.0000	16
87 1,3-Dichlorobenzene	146	19.099	19.099	(1.171)	1981912	15.0000	16
88 1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	1940443	15.0000	16
89 Benzyl chloride	91	19.387	19.382	(1.188)	2336418	15.0000	17
90 Undecane	57	19.520	19.520	(1.197)	1514496	15.0000	17
91 n-Butylbenzene	91	19.574	19.574	(1.200)	2906286	15.0000	17
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	1855722	15.0000	16
93 Dodecane	57	21.169	21.169	(1.298)	558378	15.0000	15
94 1,2,4-Trichlorobenzene	180	22.445	22.440	(1.376)	961345	15.0000	18
95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	1111672	15.0000	15
96 Naphthalene	128	23.005	23.005	(1.410)	1698233	15.0000	20
97 1,2,3-Trichlorobenzene	180	23.544	23.544	(1.443)	694789	15.0000	16

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: ckr008.d
Client ID: IC 302594
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 302594
Lab Sample ID: IC 302594

Date: 30-MAR-2012 20:41
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

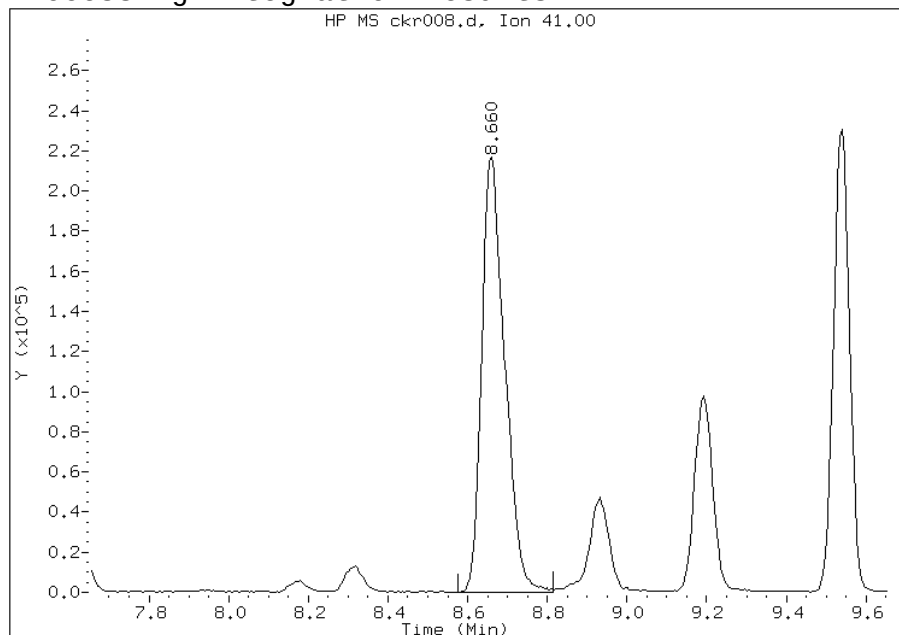


Manual Integration Report

Data File: ckr008.d
Lab Sample ID: IC 302594
Inj. Date and Time: 30-MAR-2012 20:41
Instrument ID: C.i
Client ID: IC 302594
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

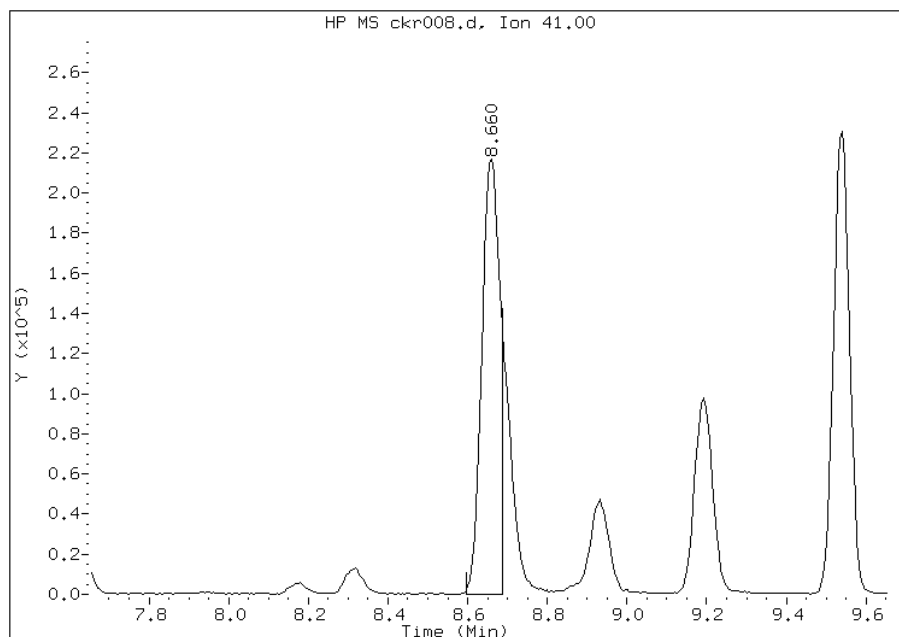
Processing Integration Results

RT: 8.66
Response: 866628
Amount: 18.21
Conc: 18.21



Manual Integration Results

RT: 8.66
Response: 665459
Amount: 14.51
Conc: 14.51



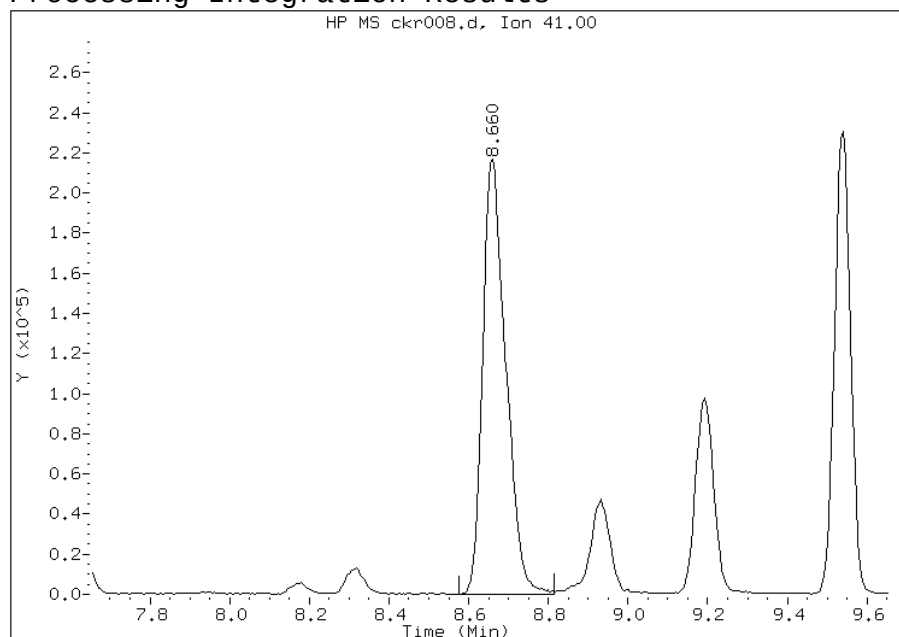
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr008.d
Lab Sample ID: IC 302594
Inj. Date and Time: 30-MAR-2012 20:41
Instrument ID: C.i
Client ID: IC 302594
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

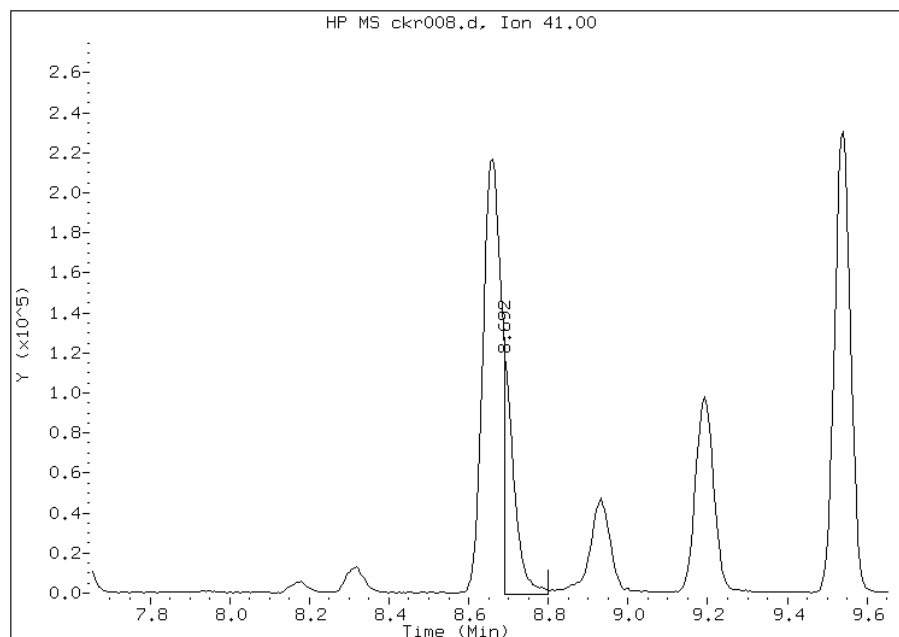
Processing Integration Results

RT: 8.66
Response: 866628
Amount: 32.90
Conc: 32.90



Manual Integration Results

RT: 8.69
Response: 206587
Amount: 12.10
Conc: 12.10



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr009.d
 Lab Smp Id: IC 302555 Client Smp ID: IC 302555
 Inj Date : 30-MAR-2012 21:30
 Operator : pad Inst ID: C.i
 Smp Info : IC 302555
 Misc Info : 200,1, level 6
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
 Meth Date : 02-Apr-2012 12:57 klp Quant Type: ISTD
 Cal Date : 30-MAR-2012 21:30 Cal File: ckr009.d
 Als bottle: 7 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.977	4.972	(0.450)	420737	20.0000	18	
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	2077012	20.0000	18	
3 Chlorodifluoromethane	51	5.100	5.095	(0.461)	1011780	20.0000	18	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.345	5.345	(0.483)	1959151	20.0000	18	
5 Chloromethane	50	5.505	5.511	(0.497)	506435	20.0000	18	
6 Butane	43	5.714	5.719	(0.516)	995465	20.0000	19	
7 Vinyl chloride	62	5.756	5.762	(0.520)	627214	20.0000	19	
8 1,3-Butadiene	54	5.831	5.831	(0.527)	466561	20.0000	19	
9 Bromomethane	94	6.487	6.493	(0.586)	610406	20.0000	18	
10 Chloroethane	64	6.685	6.690	(0.604)	330940	20.0000	19	
11 2-Methylbutane	43	6.760	6.760	(0.611)	714491	20.0000	17	
12 Vinyl bromide	106	7.042	7.043	(0.636)	635155	20.0000	20	
13 Trichlorofluoromethane	101	7.123	7.123	(0.643)	2327568	20.0000	19	
14 Pentane	43	7.235	7.235	(0.653)	1157822	20.0000	19	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.453	7.448	(0.673)	368324	40.0000	41
16 Ethyl ether	59	7.624	7.624	(0.689)	446190	20.0000	19
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987	(0.721)	1430621	20.0000	19
18 Acrolein	56	7.934	7.934	(0.717)	207321	20.0000	21
19 1,1-Dichloroethene	96	8.056	8.057	(0.728)	638685	20.0000	19
20 Acetone	43	8.169	8.169	(0.738)	975925	20.0000	18
21 Carbon disulfide	76	8.462	8.462	(0.764)	1835284	20.0000	20
22 Isopropanol	45	8.307	8.313	(0.750)	687182	20.0000	20
23 Allyl chloride	41	8.654	8.654	(0.782)	958818	20.0000	20(M)
24 Acetonitrile	41	8.681	8.654	(0.784)	327793	20.0000	18(QM)
25 Methylene chloride	49	8.868	8.868	(0.801)	701969	20.0000	19
26 Tert-butyl alcohol	59	8.926	8.927	(0.806)	1117964	20.0000	20
27 Methyl tert-butyl ether	73	9.188	9.188	(0.830)	2160529	20.0000	19
28 1,2-Dichloroethene (trans)	61	9.236	9.236	(0.834)	1108982	20.0000	20
29 Acrylonitrile	53	9.284	9.289	(0.839)	410820	20.0000	20
30 n-Hexane	57	9.535	9.535	(0.861)	1147401	20.0000	20
31 1,1-Dichloroethane	63	9.898	9.903	(0.894)	1355446	20.0000	19
32 Vinyl acetate	43	9.887	9.887	(0.893)	1607234	20.0000	20
M 33 1,2-Dichloroethene,Total	61				1885428	40.0000	39
34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	776446	20.0000	19
35 Ethyl acetate	88	10.709	10.709	(0.967)	62333	20.0000	20
36 Methyl Ethyl Ketone	72	10.709	10.714	(0.967)	305210	20.0000	19
* 37 Bromochloromethane	128	11.072	11.072	(1.000)	381913	10.0000	
38 Tetrahydrofuran	42	11.099	11.104	(0.896)	684195	20.0000	19
39 Chloroform	83	11.120	11.120	(1.004)	1785760	20.0000	19
40 Cyclohexane	84	11.429	11.430	(0.922)	1123195	20.0000	21
41 1,1,1-Trichloroethane	97	11.397	11.403	(0.920)	2151585	20.0000	20
42 Carbon tetrachloride	117	11.600	11.600	(0.936)	2262523	20.0000	19
43 2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	3779396	20.0000	21
44 Benzene	78	11.904	11.905	(0.961)	2335429	20.0000	21
45 1,2-Dichloroethane	62	11.979	11.979	(0.967)	1310184	20.0000	19
46 n-Heptane	43	12.081	12.081	(0.975)	1417841	20.0000	20
* 47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1988783	10.0000	
48 n-Butanol	56	12.523	12.529	(1.011)	303568	20.0000	23
49 Trichloroethene	95	12.764	12.758	(1.030)	1170729	20.0000	20
50 1,2-Dichloropropane	63	13.121	13.116	(1.059)	766313	20.0000	20
51 Methyl methacrylate	69	13.132	13.132	(1.060)	769535	20.0000	21
52 Dibromomethane	174	13.297	13.297	(1.073)	1176613	20.0000	21
53 1,4-Dioxane	88	13.244	13.244	(1.069)	295911	20.0000	20
54 Bromodichloromethane	83	13.452	13.452	(1.086)	2007917	20.0000	21
55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	1371089	20.0000	20
56 Methyl isobutyl ketone	43	14.210	14.210	(1.147)	1498490	20.0000	20
57 n-Octane	43	14.471	14.466	(1.168)	1874697	20.0000	19
58 Toluene	92	14.498	14.498	(0.889)	1726297	20.0000	20
59 1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	1489821	20.0000	20
60 1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	771030	20.0000	20
61 Tetrachloroethene	166	15.219	15.219	(0.933)	1896027	20.0000	21

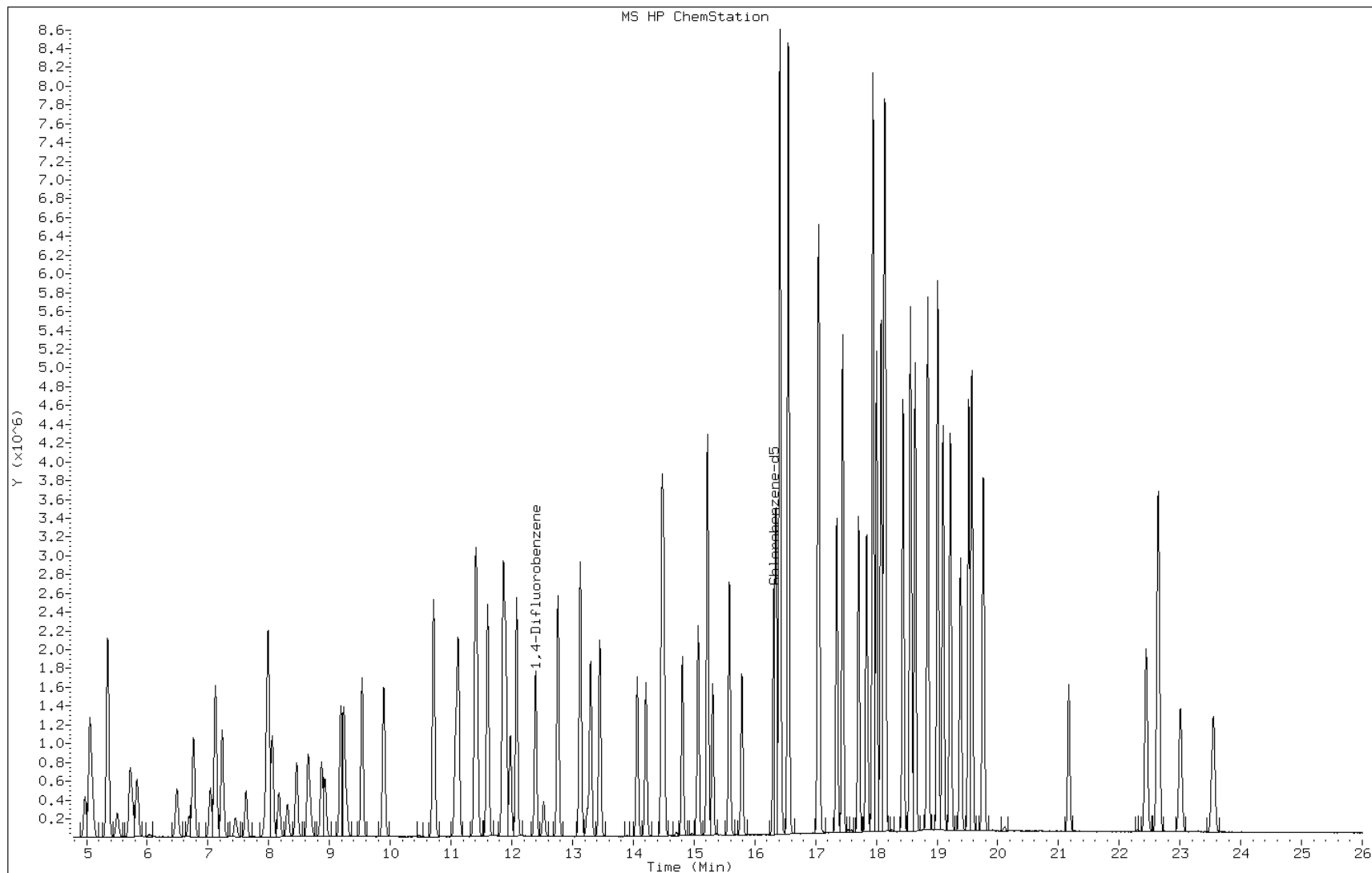
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43		15.304	15.304	(0.938)	1438880	20.0000	21
63 Dibromochloromethane	129		15.582	15.582	(0.955)	2018951	20.0000	21
64 1,2-Dibromoethane	107		15.784	15.784	(0.968)	1578485	20.0000	21
* 65 Chlorobenzene-d5	117		16.313	16.313	(1.000)	1887680	10.0000	
66 Chlorobenzene	112		16.350	16.350	(1.002)	2494305	20.0000	21
67 n-Nonane	57		16.419	16.420	(1.007)	1775656	20.0000	21
68 Ethylbenzene	91		16.414	16.409	(1.006)	4144666	20.0000	21
69 Xylene (m,p)	106		16.547	16.548	(1.014)	3217142	40.0000	43
M 70 Xylenes, Total	106					4739322	20.0000	64
71 Xylene (o)	106		17.044	17.044	(1.045)	1522180	20.0000	21
72 Styrene	104		17.060	17.060	(1.046)	2476485	20.0000	23
73 Bromoform	173		17.348	17.348	(1.063)	2175478	20.0000	22
74 Isopropylbenzene	105		17.449	17.444	(1.070)	4782538	20.0000	21
75 1,1,2,2-Tetrachloroethane	83		17.844	17.845	(1.094)	1985695	20.0000	21
76 n-Propylbenzene	91		17.946	17.941	(1.100)	5522935	20.0000	22
77 1,2,3-Trichloropropane	75		17.940	17.941	(1.100)	1766846	20.0000	20
78 n-Decane	57		18.004	17.999	(1.104)	2272500	20.0000	23
79 4-Ethyltoluene	105		18.079	18.074	(1.108)	4918523	20.0000	22
80 2-Chlorotoluene	91		18.127	18.127	(1.111)	4167613	20.0000	21
81 1,3,5-Trimethylbenzene	105		18.149	18.143	(1.113)	4318043	20.0000	22
82 Alpha Methyl Styrene	118		18.442	18.442	(1.131)	2008153	20.0000	24
83 tert-butylbenzene	119		18.565	18.565	(1.138)	4024834	20.0000	21
84 1,2,4-Trimethylbenzene	105		18.640	18.634	(1.143)	4183361	20.0000	22
85 sec-Butylbenzene	105		18.848	18.848	(1.155)	5684824	20.0000	22
86 4-Isopropyltoluene	119		19.013	19.013	(1.166)	5070555	20.0000	22
87 1,3-Dichlorobenzene	146		19.099	19.099	(1.171)	2830369	20.0000	22
88 1,4-Dichlorobenzene	146		19.221	19.221	(1.178)	2783509	20.0000	22
89 Benzyl chloride	91		19.387	19.382	(1.188)	3342140	20.0000	23
90 Undecane	57		19.520	19.520	(1.197)	2229841	20.0000	23
91 n-Butylbenzene	91		19.574	19.574	(1.200)	4185102	20.0000	23
92 1,2-Dichlorobenzene	146		19.766	19.760	(1.212)	2650943	20.0000	22
93 Dodecane	57		21.169	21.169	(1.298)	862596	20.0000	22
94 1,2,4-Trichlorobenzene	180		22.439	22.440	(1.376)	1350325	20.0000	24
95 1,3-Hexachlorobutadiene	225		22.648	22.642	(1.388)	1590042	20.0000	21
96 Naphthalene	128		23.005	23.005	(1.410)	2370201	20.0000	25
97 1,2,3-Trichlorobenzene	180		23.550	23.544	(1.444)	958121	20.0000	22

QC Flag Legend

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

Data File: ckr009.d
Client ID: IC 302555
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 302555
Lab Sample ID: IC 302555

Date: 30-MAR-2012 21:30
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

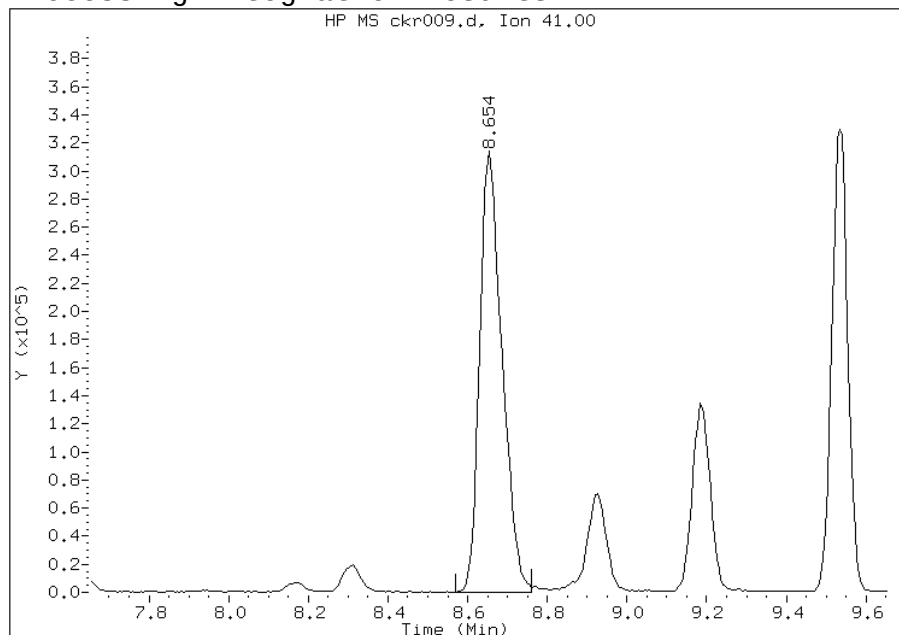


Manual Integration Report

Data File: ckr009.d
Lab Sample ID: IC 302555
Inj. Date and Time: 30-MAR-2012 21:30
Instrument ID: C.i
Client ID: IC 302555
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

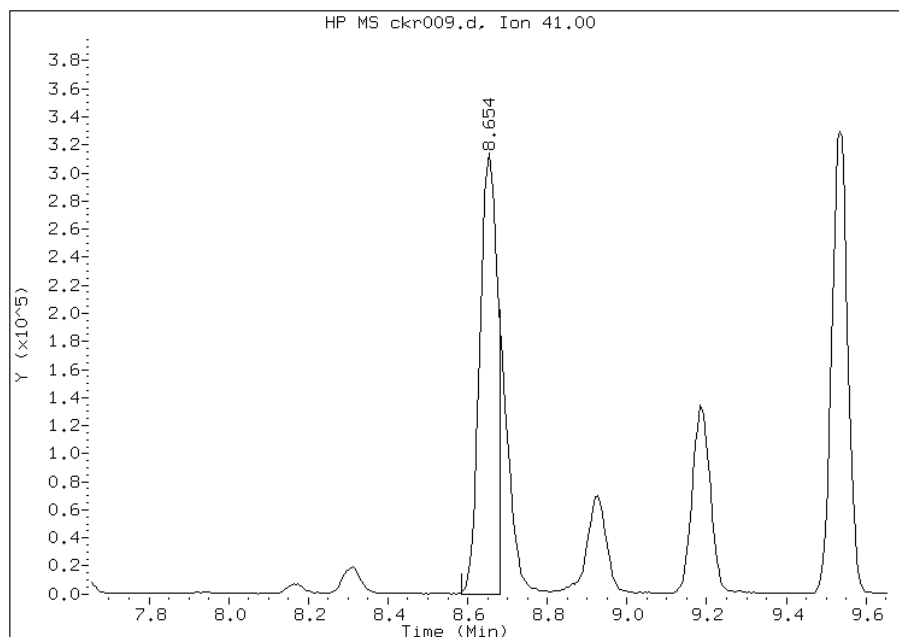
Processing Integration Results

RT: 8.65
Response: 1227116
Amount: 24.28
Conc: 24.28



Manual Integration Results

RT: 8.65
Response: 958818
Amount: 19.70
Conc: 19.70



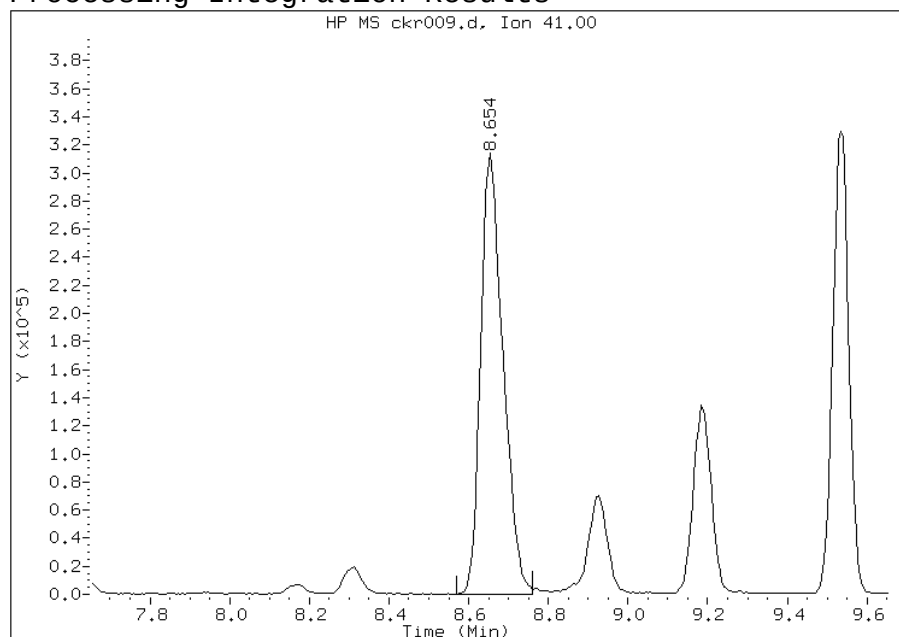
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr009.d
Lab Sample ID: IC 302555
Inj. Date and Time: 30-MAR-2012 21:30
Instrument ID: C.i
Client ID: IC 302555
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

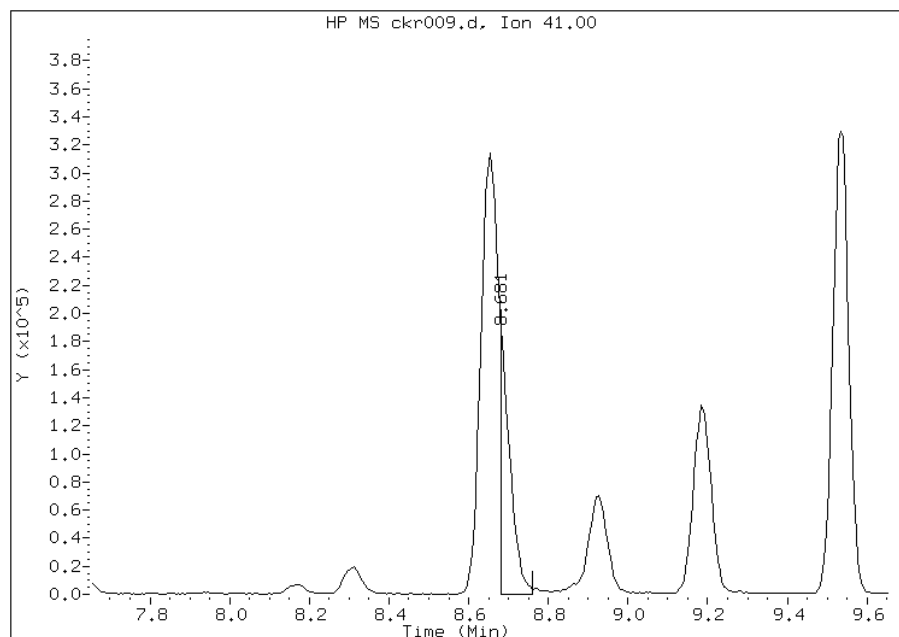
Processing Integration Results

RT: 8.65
Response: 1227116
Amount: 44.69
Conc: 44.69



Manual Integration Results

RT: 8.68
Response: 327793
Amount: 18.50
Conc: 18.50



File Uploaded By: klp
Manual Integration Reason: Baseline event

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr010.d
 Lab Smp Id: IC 302540 Client Smp ID: IC 302540
 Inj Date : 30-MAR-2012 22:20
 Operator : pad Inst ID: C.i
 Smp Info : IC 302540
 Misc Info : 200,1, level 7
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
 Meth Date : 02-Apr-2012 12:57 klp Quant Type: ISTD
 Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
 Als bottle: 8 Calibration Sample, Level: 7
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	AMOUNTS						
		MASS	RT	EXP RT	REL RT	RESPONSE	CAL -AMT	ON-COL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.982	4.972	(0.450)	874252	40.0000	34	
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	4225395	40.0000	35	
3 Chlorodifluoromethane	51	5.105	5.095	(0.461)	2040727	40.0000	34	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.356	5.345	(0.484)	4001824	40.0000	35	
5 Chloromethane	50	5.516	5.511	(0.498)	1042907	40.0000	35	
6 Butane	43	5.730	5.719	(0.517)	2036611	40.0000	36	
7 Vinyl chloride	62	5.767	5.762	(0.521)	1281034	40.0000	36	
8 1,3-Butadiene	54	5.842	5.831	(0.528)	943697	40.0000	36	
9 Bromomethane	94	6.498	6.493	(0.587)	1243029	40.0000	35	
10 Chloroethane	64	6.696	6.690	(0.605)	668695	40.0000	35	
11 2-Methylbutane	43	6.770	6.760	(0.611)	1426885	40.0000	33	
12 Vinyl bromide	106	7.048	7.043	(0.637)	1338340	40.0000	38	
13 Trichlorofluoromethane	101	7.128	7.123	(0.644)	4753139	40.0000	35	
14 Pentane	43	7.245	7.235	(0.654)	2387846	40.0000	36	

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.464	7.448	(0.674)	904782	100.000	94
16 Ethyl ether	59	7.635	7.624	(0.690)	911542	40.0000	37
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	3001979	40.0000	37
18 Acrolein	56	7.939	7.934	(0.717)	430698	40.0000	40(A)
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	1348637	40.0000	37
20 Acetone	43	8.174	8.169	(0.738)	1905557	40.0000	33
21 Carbon disulfide	76	8.462	8.462	(0.764)	3884702	40.0000	39
22 Isopropanol	45	8.318	8.313	(0.751)	1294624	40.0000	35
23 Allyl chloride	41	8.659	8.654	(0.782)	1955510	40.0000	37(M)
24 Acetonitrile	41	8.681	8.654	(0.784)	844855	40.0000	43(AQM)
25 Methylene chloride	49	8.873	8.868	(0.801)	1439432	40.0000	35
26 Tert-butyl alcohol	59	8.932	8.927	(0.807)	2169641	40.0000	36
27 Methyl tert-butyl ether	73	9.193	9.188	(0.830)	4425170	40.0000	35
28 1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	2322001	40.0000	38
29 Acrylonitrile	53	9.289	9.289	(0.839)	864419	40.0000	38
30 n-Hexane	57	9.540	9.535	(0.862)	2388842	40.0000	37
31 1,1-Dichloroethane	63	9.908	9.903	(0.895)	2846594	40.0000	37
32 Vinyl acetate	43	9.892	9.887	(0.893)	3261800	40.0000	37
M 33 1,2-Dichloroethene,Total	61				3971053	80.0000	75
34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	1649052	40.0000	37
35 Ethyl acetate	88	10.714	10.709	(0.968)	129768	40.0000	38
36 Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	617841	40.0000	36(Q)
* 37 Bromochloromethane	128	11.072	11.072	(1.000)	419404	10.0000	(Q)
38 Tetrahydrofuran	42	11.104	11.104	(0.896)	1352612	40.0000	36
39 Chloroform	83	11.125	11.120	(1.005)	3719899	40.0000	37
40 Cyclohexane	84	11.429	11.430	(0.922)	2420330	40.0000	41(A)
41 1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	4493800	40.0000	38
42 Carbon tetrachloride	117	11.605	11.600	(0.936)	4774643	40.0000	38
43 2,2,4-Trimethylpentane	57	11.867	11.862	(0.957)	7935101	40.0000	40
44 Benzene	78	11.910	11.905	(0.961)	4984753	40.0000	40(A)
45 1,2-Dichloroethane	62	11.984	11.979	(0.967)	2689609	40.0000	37
46 n-Heptane	43	12.086	12.081	(0.975)	2916938	40.0000	38
* 47 1,4-Difluorobenzene	114	12.395	12.390	(1.000)	2167284	10.0000	
48 n-Butanol	56	12.529	12.529	(1.011)	601969	40.0000	41(A)
49 Trichloroethene	95	12.764	12.758	(1.030)	2486639	40.0000	38
50 1,2-Dichloropropane	63	13.127	13.116	(1.059)	1587328	40.0000	38
51 Methyl methacrylate	69	13.137	13.132	(1.060)	1604125	40.0000	40(A)
52 Dibromomethane	174	13.303	13.297	(1.073)	2486742	40.0000	41(A)
53 1,4-Dioxane	88	13.244	13.244	(1.068)	553373	40.0000	36
54 Bromodichloromethane	83	13.452	13.452	(1.085)	4138099	40.0000	39
55 1,3-Dichloropropene (cis)	75	14.071	14.066	(1.135)	2871202	40.0000	39
56 Methyl isobutyl ketone	43	14.215	14.210	(1.147)	2993653	40.0000	37
57 n-Octane	43	14.471	14.466	(1.167)	3822606	40.0000	37
58 Toluene	92	14.503	14.498	(0.889)	3703506	40.0000	40
59 1,3-Dichloropropene (trans)	75	14.813	14.808	(1.195)	3140962	40.0000	40
60 1,1,2-Trichloroethane	83	15.069	15.064	(0.923)	1617577	40.0000	39
61 Tetrachloroethene	166	15.224	15.219	(0.933)	4077690	40.0000	41(A)

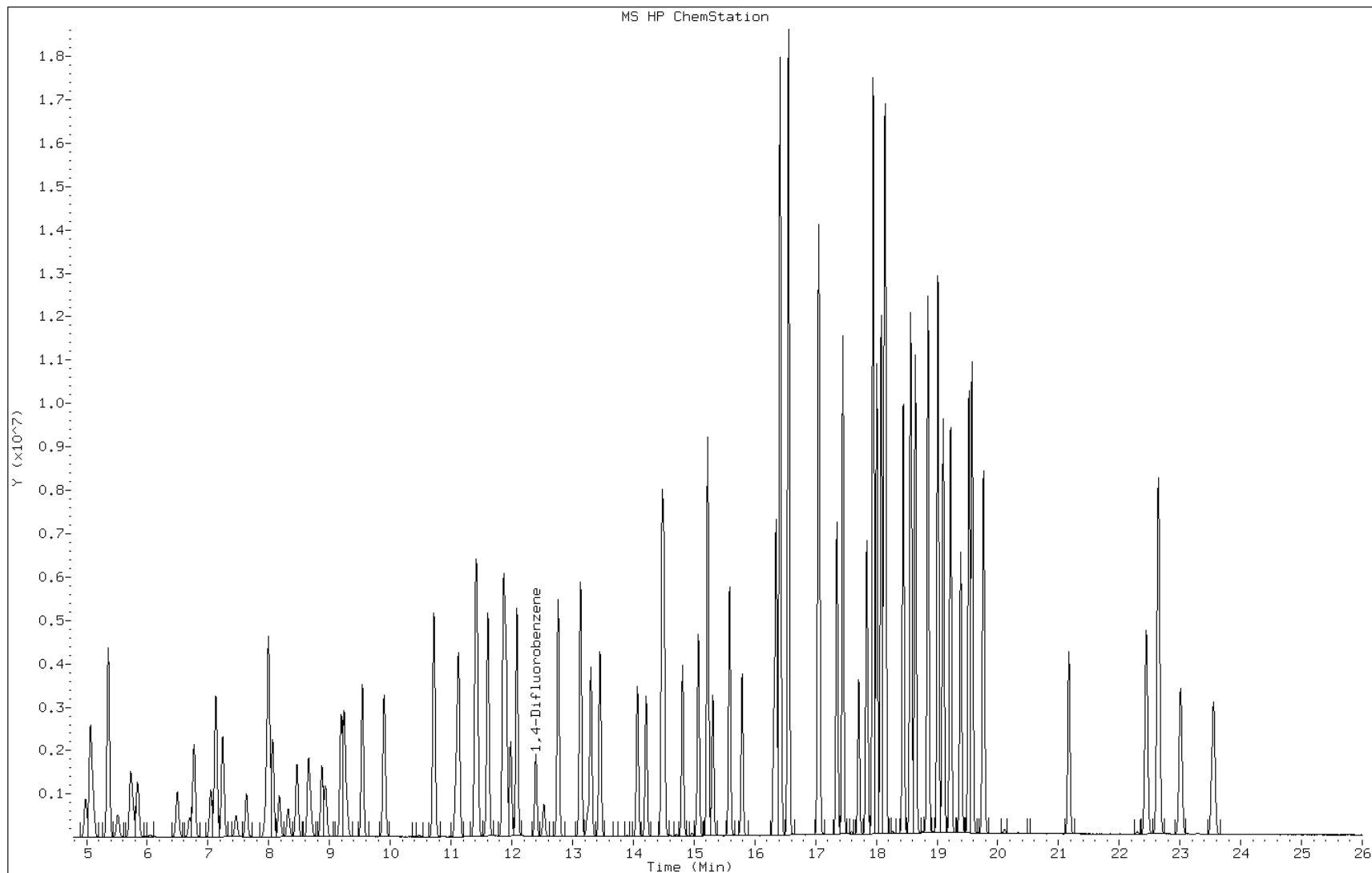
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.309	15.304	(0.938)	2902526	40.0000	39
63 Dibromochloromethane	129	15.587	15.582	(0.955)	4325474	40.0000	42(A)
64 1,2-Dibromoethane	107	15.790	15.784	(0.968)	3379492	40.0000	41(A)
* 65 Chlorobenzene-d5	117	16.318	16.313	(1.000)	2066549	10.0000	
66 Chlorobenzene	112	16.350	16.350	(1.002)	5367640	40.0000	41(A)
67 n-Nonane	57	16.419	16.420	(1.006)	3774983	40.0000	40(A)
68 Ethylbenzene	91	16.414	16.409	(1.006)	9037299	40.0000	41(A)
69 Xylene (m,p)	106	16.553	16.548	(1.014)	7114932	80.0000	86(A)
M 70 Xylenes, Total	106				10408545	40.0000	130
71 Xylene (o)	106	17.049	17.044	(1.045)	3293613	40.0000	41(A)
72 Styrene	104	17.065	17.060	(1.046)	5523321	40.0000	45(A)
73 Bromoform	173	17.348	17.348	(1.063)	4775430	40.0000	44(A)
74 Isopropylbenzene	105	17.449	17.444	(1.069)	10554563	40.0000	42(A)
75 1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	4305142	40.0000	41(A)
76 n-Propylbenzene	91	17.946	17.941	(1.100)	12291618	40.0000	44(A)
77 1,2,3-Trichloropropane	75	17.946	17.941	(1.100)	3721332	40.0000	39
78 n-Decane	57	18.004	17.999	(1.103)	4933898	40.0000	44(A)
79 4-Ethyltoluene	105	18.079	18.074	(1.108)	11015771	40.0000	44(A)
80 2-Chlorotoluene	91	18.133	18.127	(1.111)	9152323	40.0000	41(A)
81 1,3,5-Trimethylbenzene	105	18.149	18.143	(1.112)	9551430	40.0000	43(A)
82 Alpha Methyl Styrene	118	18.447	18.442	(1.130)	4479330	40.0000	47(A)
83 tert-butylbenzene	119	18.570	18.565	(1.138)	8940700	40.0000	43(A)
84 1,2,4-Trimethylbenzene	105	18.640	18.634	(1.142)	9242381	40.0000	43(A)
85 sec-Butylbenzene	105	18.853	18.848	(1.155)	12813957	40.0000	45(A)
86 4-Isopropyltoluene	119	19.013	19.013	(1.165)	11471430	40.0000	45(A)
87 1,3-Dichlorobenzene	146	19.104	19.099	(1.171)	6464290	40.0000	44(A)
88 1,4-Dichlorobenzene	146	19.227	19.221	(1.178)	6347008	40.0000	45(A)
89 Benzyl chloride	91	19.387	19.382	(1.188)	7510227	40.0000	46(A)
90 Undecane	57	19.525	19.520	(1.197)	5045061	40.0000	46(A)
91 n-Butylbenzene	91	19.573	19.574	(1.200)	9408257	40.0000	47(A)
92 1,2-Dichlorobenzene	146	19.766	19.760	(1.211)	5964361	40.0000	44(A)
93 Dodecane	57	21.169	21.169	(1.297)	2377547	40.0000	51(A)
94 1,2,4-Trichlorobenzene	180	22.445	22.440	(1.375)	3297306	40.0000	50(A)
95 1,3-Hexachlorobutadiene	225	22.648	22.642	(1.388)	3677707	40.0000	43(A)
96 Naphthalene	128	23.005	23.005	(1.410)	6057435	40.0000	54(A)
97 1,2,3-Trichlorobenzene	180	23.549	23.544	(1.443)	2362820	40.0000	47(A)

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
- Q - Qualifier signal failed the ratio test.
- M - Compound response manually integrated.

Data File: ckr010.d
Client ID: IC 302540
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: IC 302540
Lab Sample ID: IC 302540

Date: 30-MAR-2012 22:20
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

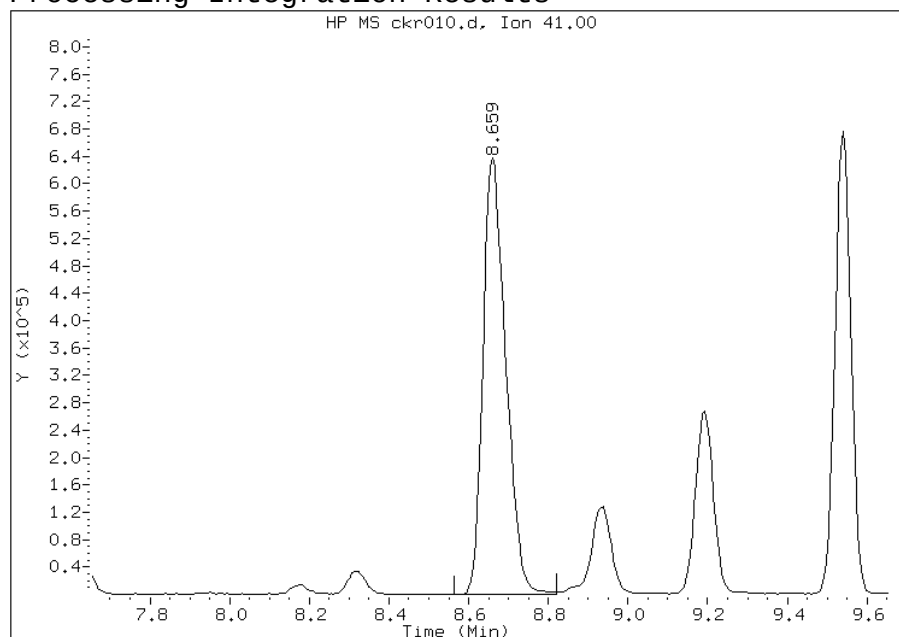


Manual Integration Report

Data File: ckr010.d
Lab Sample ID: IC 302540
Inj. Date and Time: 30-MAR-2012 22:20
Instrument ID: C.i
Client ID: IC 302540
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

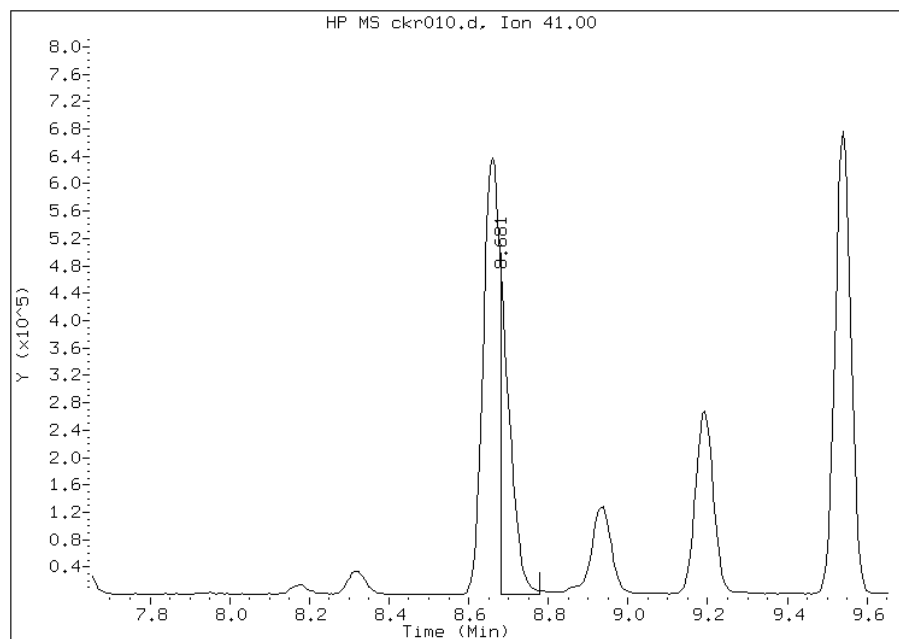
Processing Integration Results

RT: 8.66
Response: 2523093
Amount: 83.39
Conc: 83.39



Manual Integration Results

RT: 8.68
Response: 844855
Amount: 42.68
Conc: 42.68



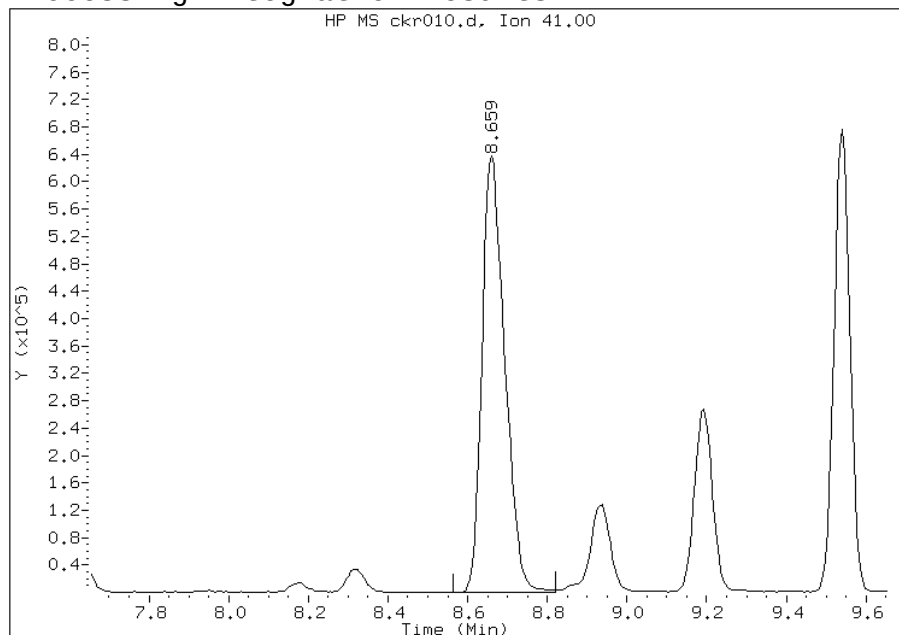
File Uploaded By: klp
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr010.d
Lab Sample ID: IC 302540
Inj. Date and Time: 30-MAR-2012 22:20
Instrument ID: C.i
Client ID: IC 302540
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

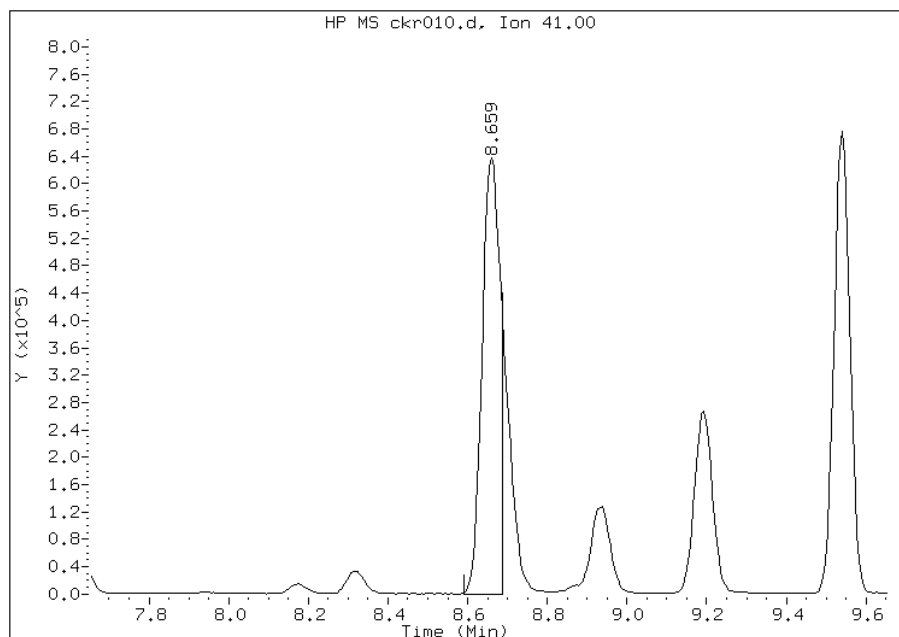
Processing Integration Results

RT: 8.66
Response: 2523093
Amount: 45.45
Conc: 45.45



Manual Integration Results

RT: 8.66
Response: 1955510
Amount: 37.04
Conc: 37.04



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Lab Sample ID: ICV 200-36047/13 Calibration Date: 03/31/2012 00:49

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckr013.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ICV 311643

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6097	0.6768		11.1	10.0	11.0	30.0
Dichlorodifluoromethane	Ave	2.911	3.260		11.2	10.0	12.0	30.0
Freon 22	Ave	1.416	1.581		11.2	10.0	11.7	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.731	3.043		11.1	10.0	11.4	30.0
Chloromethane	Ave	0.7027	0.8083		11.5	10.0	15.0	30.0
n-Butane	Ave	1.358	1.546		11.4	10.0	13.9	30.0
Vinyl chloride	Ave	0.8500	0.9686		11.4	10.0	14.0	30.0
1,3-Butadiene	Ave	0.6229	0.7326		11.8	10.0	17.6	30.0
Bromomethane	Ave	0.8499	0.8818		10.4	10.0	3.7	30.0
Chloroethane	Ave	0.4520	0.4909		10.9	10.0	8.6	30.0
Isopentane	Ave	1.045	1.088		10.4	10.0	4.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8326	0.9352		11.2	10.0	12.3	30.0
Trichlorofluoromethane	Ave	3.211	3.490		10.9	10.0	8.7	30.0
n-Pentane	Ave	1.562	1.747		11.2	10.0	11.8	30.0
Ethanol	Ave	0.2303	0.3352		21.8	15.0	45.5*	30.0
Ethyl ether	Ave	0.5932	0.6251		10.5	10.0	5.4	30.0
Acrolein	Ave	0.2567	0.2528		9.85	10.0	-1.5	30.0
Freon TF	Ave	1.919	2.280		11.9	10.0	18.8	30.0
1,1-Dichloroethene	Ave	0.8623	1.015		11.8	10.0	17.7	30.0
Acetone	Ave	1.379	1.742		12.6	10.0	26.3	30.0
Isopropyl alcohol	Ave	0.8813	0.8757		9.93	10.0	-0.6	30.0
Carbon disulfide	Ave	2.399	2.709		11.3	10.0	12.9	30.0
3-Chloropropene	Ave	1.259	1.409		11.2	10.0	12.0	30.0
Acetonitrile	Ave	0.4720	0.5462		11.6	10.0	15.7	30.0
Methylene Chloride	Ave	0.9672	1.138		11.8	10.0	17.7	30.0
tert-Butyl alcohol	Ave	1.434	1.595		11.1	10.0	11.2	30.0
Methyl tert-butyl ether	Ave	2.989	3.228		10.8	10.0	8.0	30.0
trans-1,2-Dichloroethene	Ave	1.466	1.666		11.4	10.0	13.6	30.0
Acrylonitrile	Ave	0.5395	0.5918		11.0	10.0	9.7	30.0
n-Hexane	Ave	1.520	1.716		11.3	10.0	12.9	30.0
Vinyl acetate	Ave	2.096	2.405		11.5	10.0	14.7	30.0
1,1-Dichloroethane	Ave	1.828	2.054		11.2	10.0	12.4	30.0
Methyl Ethyl Ketone	Ave	0.4067	0.4630		11.4	10.0	13.8	30.0
Ethyl acetate	Ave	0.0820	0.0897		10.9	10.0	9.3	30.0
cis-1,2-Dichloroethene	Ave	1.052	1.132		10.8	10.0	7.6	30.0
Tetrahydrofuran	Ave	0.1730	0.1783		10.3	10.0	3.1	30.0
Chloroform	Ave	2.413	2.644		11.0	10.0	9.6	30.0
1,1,1-Trichloroethane	Ave	0.5472	0.5764		10.5	10.0	5.3	30.0
Cyclohexane	Ave	0.2709	0.2918		10.8	10.0	7.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Lab Sample ID: ICV 200-36047/13 Calibration Date: 03/31/2012 00:49

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckr013.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ICV 311643

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5818	0.5963		10.2	10.0	2.5	30.0
2,2,4-Trimethylpentane	Ave	0.9230	1.012		11.0	10.0	9.7	30.0
Benzene	Ave	0.5728	0.6000		10.5	10.0	4.7	30.0
1,2-Dichloroethane	Ave	0.3356	0.3575		10.6	10.0	6.5	30.0
n-Heptane	Ave	0.3540	0.3901		11.0	10.0	10.2	30.0
n-Butanol	Ave	0.0675	0.0559		8.28	10.0	-17.2	30.0
Trichloroethene	Ave	0.2998	0.3027		10.1	10.0	1.0	30.0
1,2-Dichloropropane	Ave	0.1926	0.1992		10.3	10.0	3.4	30.0
Methyl methacrylate	Ave	0.1847	0.1925		10.4	10.0	4.2	30.0
1,4-Dioxane	Ave	0.0713	0.0553		7.75	10.0	-22.5	30.0
Dibromomethane	Ave	0.2813	0.2972		10.6	10.0	5.6	30.0
Bromodichloromethane	Ave	0.4890	0.5452		11.1	10.0	11.5	30.0
cis-1,3-Dichloropropene	Ave	0.3370	0.3534		10.5	10.0	4.9	30.0
methyl isobutyl ketone	Ave	0.3692	0.4001		10.8	10.0	8.4	30.0
n-Octane	Ave	0.4810	0.5204		10.8	10.0	8.2	30.0
Toluene	Ave	0.4484	0.4571		10.2	10.0	1.9	30.0
trans-1,3-Dichloropropene	Ave	0.3656	0.3804		10.4	10.0	4.0	30.0
1,1,2-Trichloroethane	Ave	0.2017	0.2013		9.97	10.0	-0.2	30.0
Tetrachloroethene	Ave	0.4854	0.4864		10.0	10.0	0.2	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3602	0.3881		10.8	10.0	7.7	30.0
Dibromochloromethane	Ave	0.5039	0.5648		11.2	10.0	12.1	30.0
1,2-Dibromoethane	Ave	0.4031	0.4159		10.3	10.0	3.2	30.0
Chlorobenzene	Ave	0.6391	0.6538		10.2	10.0	2.3	30.0
Ethylbenzene	Ave	1.059	1.088		10.3	10.0	2.8	30.0
n-Nonane	Ave	0.4564	0.4965		10.9	10.0	8.8	30.0
m,p-Xylene	Ave	0.4016	0.4112		20.5	20.0	2.4	30.0
Xylene, o-	Ave	0.3903	0.3963		10.2	10.0	1.5	30.0
Styrene	Ave	0.5906	0.6301		10.7	10.0	6.7	30.0
Bromoform	Ave	0.5269	0.5995		11.4	10.0	13.8	30.0
Cumene	Ave	1.221	1.298		10.6	10.0	6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5120	0.5334		10.4	10.0	4.2	30.0
1,2,3-Trichloropropane	Ave	0.4609	0.4975		10.8	10.0	7.9	30.0
n-Propylbenzene	Ave	1.367	1.512		11.1	10.0	10.6	30.0
n-Decane	Ave	0.5416	0.6304		11.6	10.0	16.4	30.0
4-Ethyltoluene	Ave	1.206	1.356		11.2	10.0	12.4	30.0
2-Chlorotoluene	Ave	1.076	1.165		10.8	10.0	8.2	30.0
1,3,5-Trimethylbenzene	Ave	1.063	1.150		10.8	10.0	8.1	30.0
Alpha Methyl Styrene	Ave	0.4565	0.5260		11.5	10.0	15.2	30.0
tert-Butylbenzene	Ave	1.013	1.103		10.9	10.0	8.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Lab Sample ID: ICV 200-36047/13 Calibration Date: 03/31/2012 00:49
 Instrument ID: C.i Calib Start Date: 03/30/2012 16:32
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20
 Lab File ID: ckr013.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ICV 311643

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.037	1.103		10.6	10.0	6.3	30.0
sec-Butylbenzene	Ave	1.383	1.545		11.2	10.0	11.7	30.0
4-Isopropyltoluene	Ave	1.224	1.387		11.3	10.0	13.3	30.0
1,3-Dichlorobenzene	Ave	0.7077	0.7385		10.4	10.0	4.4	30.0
1,4-Dichlorobenzene	Ave	0.6856	0.7318		10.7	10.0	6.7	30.0
Benzyl chloride	Ave	0.7860	0.8233		10.5	10.0	4.7	30.0
n-Undecane	Ave	0.5299	0.5757		10.9	10.0	8.6	30.0
n-Butylbenzene	Ave	0.9746	1.139		11.7	10.0	16.9	30.0
1,2-Dichlorobenzene	Ave	0.6629	0.6858		10.3	10.0	3.5	30.0
n-Dodecane	Ave	0.2236	0.2667		11.9	10.0	19.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3511		11.0	10.0	10.1	30.0
Hexachlorobutadiene	Ave	0.4140	0.4114		9.93	10.0	-0.6	30.0
Naphthalene	Ave	0.5408	0.6442		11.9	10.0	19.1	30.0
1,2,3-Trichlorobenzene	Ave	0.2416	0.2726		11.3	10.0	12.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr013.d
 Lab Smp Id: ICV 311643 Client Smp ID: ICV 311643
 Inj Date : 31-MAR-2012 00:49
 Operator : pad Inst ID: C.i
 Smp Info : ICV 311643
 Misc Info : 200,1, ICV
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/to15v5.m
 Meth Date : 02-Apr-2012 12:58 klp Quant Type: ISTD
 Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
 Als bottle: 9 QC Sample: METHSPIKE
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.988	4.972	(0.450)	228027	11.0990	11	
2 Dichlorodifluoromethane	85	5.062	5.057	(0.457)	1098204	11.1965	11	
3 Chlorodifluoromethane	51	5.110	5.095	(0.462)	532596	11.1634	11	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.356	5.345	(0.484)	1025230	11.1416	11	
5 Chloromethane	50	5.516	5.511	(0.498)	272347	11.5018	12	
6 Butane	43	5.730	5.719	(0.517)	520771	11.3828	11	
7 Vinyl chloride	62	5.772	5.762	(0.521)	326358	11.3938	11	
8 1,3-Butadiene	54	5.847	5.831	(0.528)	246833	11.7582	12	
9 Bromomethane	94	6.498	6.493	(0.587)	297092	10.3727	10	
10 Chloroethane	64	6.696	6.690	(0.605)	165385	10.8574	11	
11 2-Methylbutane	43	6.770	6.760	(0.611)	366512	10.4046	10	
12 Vinyl bromide	106	7.048	7.043	(0.637)	315087	11.2298	11	
13 Trichlorofluoromethane	101	7.133	7.123	(0.644)	1175795	10.8667	11	
14 Pentane	43	7.240	7.235	(0.654)	588583	11.1803	11	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.459	7.448	(0.674)	169452	21.8331	22(R)
16 Ethyl ether	59	7.635	7.624	(0.690)	210618	10.5369	11
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	768160	11.8761	12
18 Acrolein	56	7.939	7.934	(0.717)	85187	9.84946	9.8
19 1,1-Dichloroethene	96	8.062	8.057	(0.728)	342073	11.7713	12
20 Acetone	43	8.174	8.169	(0.738)	586812	12.6313	13
21 Carbon disulfide	76	8.467	8.462	(0.765)	912772	11.2919	11
22 Isopropanol	45	8.318	8.313	(0.751)	295042	9.93448	9.9
23 Allyl chloride	41	8.659	8.654	(0.782)	474890	11.1955	11(M)
24 Acetonitrile	41	8.686	8.654	(0.785)	184014	11.5701	12(QM)
25 Methylene chloride	49	8.873	8.868	(0.801)	383400	11.7637	12
26 Tert-butyl alcohol	59	8.937	8.927	(0.807)	537273	11.1214	11
27 Methyl tert-butyl ether	73	9.193	9.188	(0.830)	1087619	10.7992	11
28 1,2-Dichloroethene (trans)	61	9.247	9.236	(0.835)	561415	11.3622	11
29 Acrylonitrile	53	9.289	9.289	(0.839)	199387	10.9670	11
30 n-Hexane	57	9.540	9.535	(0.862)	578150	11.2882	11
31 1,1-Dichloroethane	63	9.903	9.903	(0.894)	692167	11.2333	11
32 Vinyl acetate	43	9.892	9.887	(0.893)	810220	11.4726	11
M 33 1,2-Dichloroethene,Total	61				942785	22.1180	22
34 1,2-Dichloroethene (cis)	96	10.725	10.725	(0.969)	381370	10.7558	11
35 Ethyl acetate	88	10.720	10.709	(0.968)	30220	10.9316	11
36 Methyl Ethyl Ketone	72	10.714	10.714	(0.968)	156008	11.3818	11
* 37 Bromochloromethane	128	11.072	11.072	(1.000)	336988	10.0000	
38 Tetrahydrofuran	42	11.109	11.104	(0.897)	335455	10.3030	10
39 Chloroform	83	11.125	11.120	(1.005)	890850	10.9570	11
40 Cyclohexane	84	11.435	11.430	(0.923)	548962	10.7680	11
41 1,1,1-Trichloroethane	97	11.403	11.403	(0.920)	1084513	10.5323	11
42 Carbon tetrachloride	117	11.605	11.600	(0.937)	1122007	10.2470	10
43 2,2,4-Trimethylpentane	57	11.862	11.862	(0.957)	1904574	10.9644	11
44 Benzene	78	11.904	11.905	(0.961)	1128869	10.4720	10
45 1,2-Dichloroethane	62	11.979	11.979	(0.967)	672603	10.6498	11
46 n-Heptane	43	12.086	12.081	(0.975)	733991	11.0185	11
* 47 1,4-Difluorobenzene	114	12.390	12.390	(1.000)	1881909	10.0000	
48 n-Butanol	56	12.534	12.529	(1.012)	105216	8.28170	8.3
49 Trichloroethene	95	12.758	12.758	(1.030)	569572	10.0950	10
50 1,2-Dichloropropane	63	13.121	13.116	(1.059)	374832	10.3423	10
51 Methyl methacrylate	69	13.132	13.132	(1.060)	362204	10.4193	10
52 Dibromomethane	174	13.297	13.297	(1.073)	559133	10.5614	11
53 1,4-Dioxane	88	13.255	13.244	(1.070)	104074	7.75310	7.8
54 Bromodichloromethane	83	13.452	13.452	(1.086)	1025745	11.1473	11
55 1,3-Dichloropropene (cis)	75	14.066	14.066	(1.135)	664870	10.4836	10
56 Methyl isobutyl ketone	43	14.215	14.210	(1.147)	752726	10.8337	11
57 n-Octane	43	14.466	14.466	(1.168)	979220	10.8172	11
58 Toluene	92	14.503	14.498	(0.889)	826846	10.1921	10
59 1,3-Dichloropropene (trans)	75	14.808	14.808	(1.195)	715713	10.4013	10
60 1,1,2-Trichloroethane	83	15.064	15.064	(0.923)	364041	9.97475	10
61 Tetrachloroethene	166	15.224	15.219	(0.933)	879848	10.0191	10

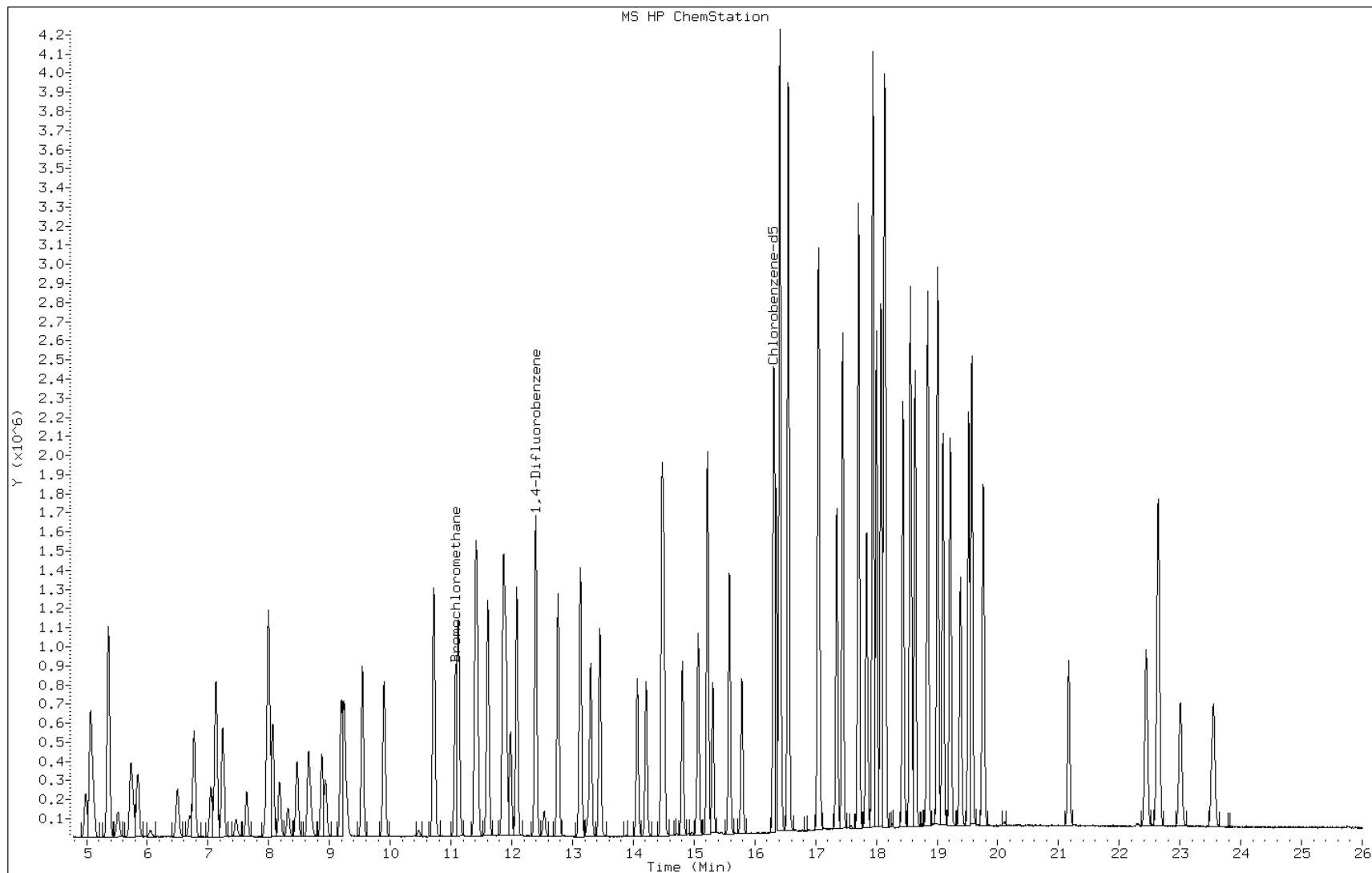
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.309	15.304	(0.938)	702034	10.7725	11
63 Dibromochloromethane	129	15.587	15.582	(0.956)	1021600	11.2071	11
64 1,2-Dibromoethane	107	15.784	15.784	(0.968)	752307	10.3162	10
* 65 Chlorobenzene-d5	117	16.313	16.313	(1.000)	1809203	10.0000	
66 Chlorobenzene	112	16.350	16.350	(1.002)	1182626	10.2285	10
67 n-Nonane	57	16.419	16.420	(1.007)	898121	10.8773	11
68 Ethylbenzene	91	16.409	16.409	(1.006)	1968650	10.2796	10
69 Xylene (m,p)	106	16.547	16.548	(1.014)	1487406	20.4705	20
M 70 Xylenes, Total	106				2204331	30.6222	31
71 Xylene (o)	106	17.044	17.044	(1.045)	716925	10.1517	10
72 Styrene	104	17.060	17.060	(1.046)	1139811	10.6679	11
73 Bromoform	173	17.348	17.348	(1.063)	1084399	11.3754	11
74 Isopropylbenzene	105	17.444	17.444	(1.069)	2347391	10.6255	11
75 1,1,2,2-Tetrachloroethane	83	17.844	17.845	(1.094)	964759	10.4141	10
76 n-Propylbenzene	91	17.946	17.941	(1.100)	2735120	11.0588	11
77 1,2,3-Trichloropropane	75	17.940	17.941	(1.100)	899805	10.7901	11
78 n-Decane	57	17.999	17.999	(1.103)	1140219	11.6360	12
79 4-Ethyltoluene	105	18.074	18.074	(1.108)	2452496	11.2382	11
80 2-Chlorotoluene	91	18.127	18.127	(1.111)	2106941	10.8207	11
81 1,3,5-Trimethylbenzene	105	18.149	18.143	(1.113)	2079683	10.8116	11
82 Alpha Methyl Styrene	118	18.442	18.442	(1.131)	951465	11.5209	12
83 tert-butylbenzene	119	18.565	18.565	(1.138)	1994392	10.8857	11
84 1,2,4-Trimethylbenzene	105	18.640	18.634	(1.143)	1994572	10.6289	11
85 sec-Butylbenzene	105	18.848	18.848	(1.155)	2793777	11.1674	11
86 4-Isopropyltoluene	119	19.013	19.013	(1.166)	2509150	11.3319	11
87 1,3-Dichlorobenzene	146	19.098	19.099	(1.171)	1335891	10.4338	10
88 1,4-Dichlorobenzene	146	19.221	19.221	(1.178)	1323668	10.6717	11
89 Benzyl chloride	91	19.387	19.382	(1.188)	1489225	10.4728	10
90 Undecane	57	19.520	19.520	(1.197)	1041326	10.8609	11
91 n-Butylbenzene	91	19.573	19.574	(1.200)	2060895	11.6883	12
92 1,2-Dichlorobenzene	146	19.760	19.760	(1.211)	1240587	10.3447	10
93 Dodecane	57	21.164	21.169	(1.297)	482459	11.9257	12
94 1,2,4-Trichlorobenzene	180	22.439	22.440	(1.376)	635037	11.0057	11
95 1,3-Hexachlorobutadiene	225	22.642	22.642	(1.388)	744155	9.93405	9.9
96 Naphthalene	128	23.005	23.005	(1.410)	1165170	11.9081	12
97 1,2,3-Trichlorobenzene	180	23.544	23.544	(1.443)	493126	11.2814	11

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: ckr013.d
Client ID: ICV 311643
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ICV 311643
Lab Sample ID: ICV 311643

Date: 31-MAR-2012 00:49
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

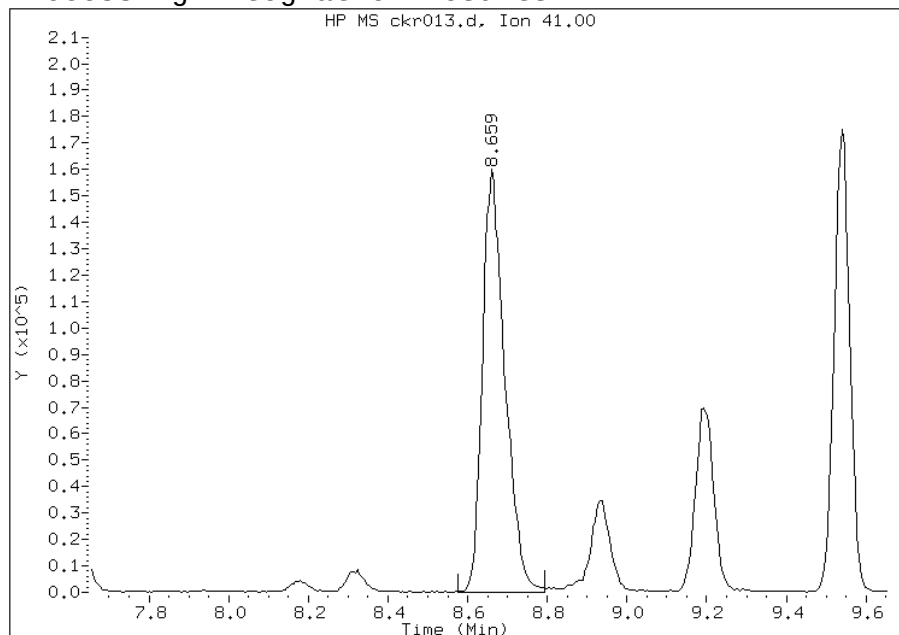


Manual Integration Report

Data File: ckr013.d
Lab Sample ID: ICV 311643
Inj. Date and Time: 31-MAR-2012 00:49
Instrument ID: C.i
Client ID: ICV 311643
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/02/2012

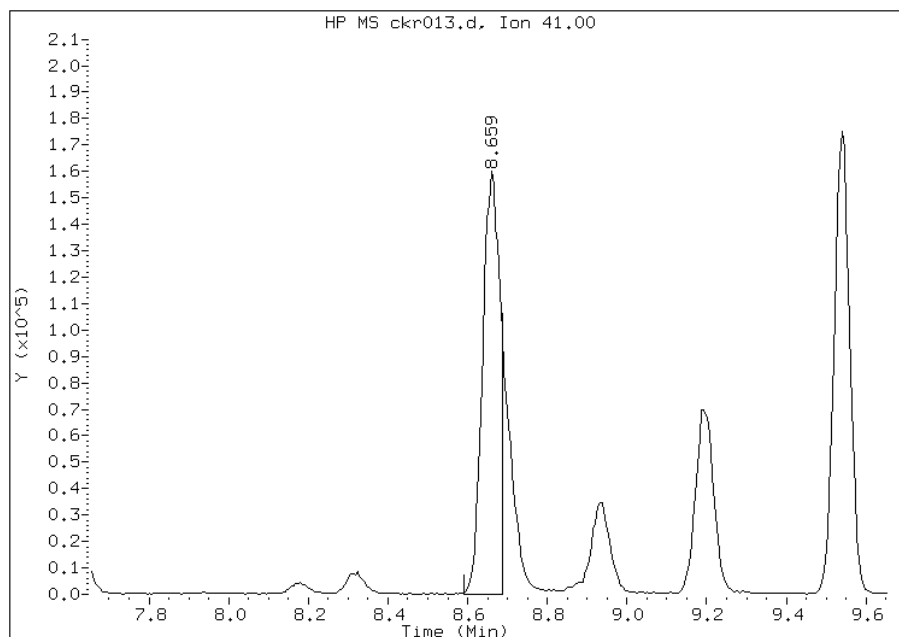
Processing Integration Results

RT: 8.66
Response: 625604
Amount: 14.75
Conc: 14.75



Manual Integration Results

RT: 8.66
Response: 474890
Amount: 11.20
Conc: 11.20



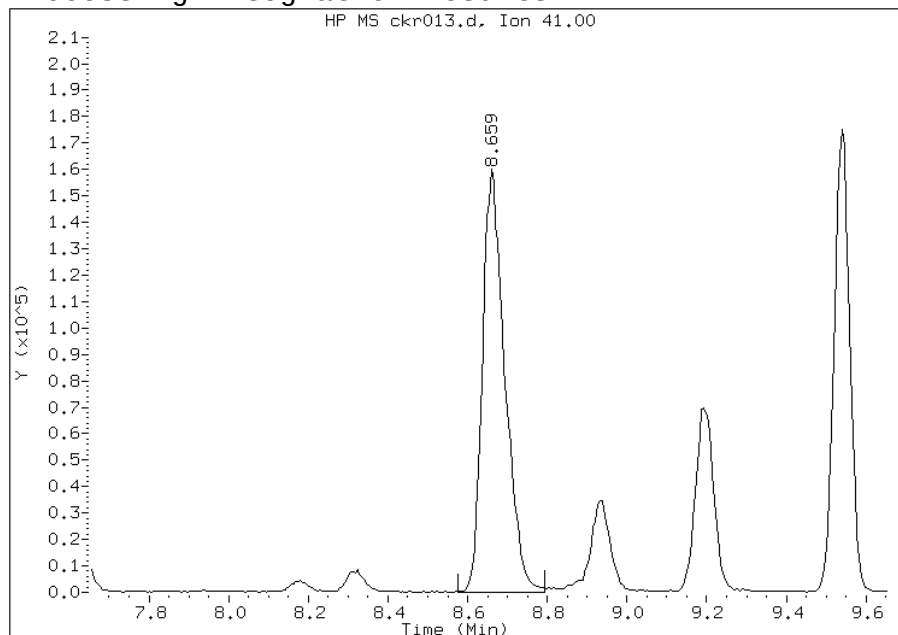
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Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckr013.d
Lab Sample ID: ICV 311643
Inj. Date and Time: 31-MAR-2012 00:49
Instrument ID: C.i
Client ID: ICV 311643
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/02/2012

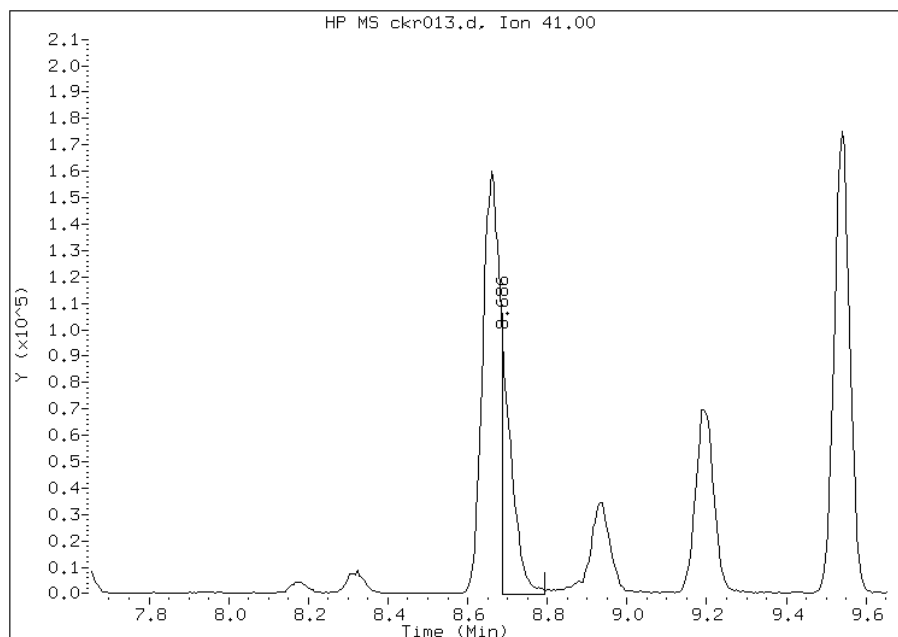
Processing Integration Results

RT: 8.66
Response: 625604
Amount: 39.34
Conc: 39.34



Manual Integration Results

RT: 8.69
Response: 184014
Amount: 11.57
Conc: 11.57



File Uploaded By: klp
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Lab Sample ID: CCVIS 200-36845/2 Calibration Date: 04/12/2012 11:36

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrj002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6097	0.5818		9.54	10.0	-4.6	30.0
Dichlorodifluoromethane	Ave	2.911	3.103		10.7	10.0	6.6	30.0
Freon 22	Ave	1.416	1.444		10.2	10.0	2.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.731	2.722		9.97	10.0	-0.3	30.0
Chloromethane	Ave	0.7027	0.6482		9.22	10.0	-7.7	30.0
n-Butane	Ave	1.358	1.395		10.3	10.0	2.8	30.0
Vinyl chloride	Ave	0.8500	0.8207		9.65	10.0	-3.4	30.0
1,3-Butadiene	Ave	0.6229	0.6008		9.64	10.0	-3.6	30.0
Bromomethane	Ave	0.8499	0.8397		9.88	10.0	-1.2	30.0
Chloroethane	Ave	0.4520	0.4388		9.71	10.0	-2.9	30.0
Isopentane	Ave	1.045	0.9888		9.46	10.0	-5.4	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8326	0.8305		9.97	10.0	-0.3	30.0
Trichlorofluoromethane	Ave	3.211	3.379		10.5	10.0	5.2	30.0
n-Pentane	Ave	1.562	1.560		9.98	10.0	-0.1	30.0
Ethanol	Ave	0.2303	0.2182		14.2	15.0	-5.3	30.0
Ethyl ether	Ave	0.5932	0.5792		9.76	10.0	-2.4	30.0
Acrolein	Ave	0.2567	0.2373		9.24	10.0	-7.5	30.0
Freon TF	Ave	1.919	1.920		10.0	10.0	0.0	30.0
1,1-Dichloroethene	Ave	0.8623	0.8129		9.42	10.0	-5.7	30.0
Acetone	Ave	1.379	1.597		11.6	10.0	15.9	30.0
Isopropyl alcohol	Ave	0.8813	0.9510		10.8	10.0	7.9	30.0
Carbon disulfide	Ave	2.399	2.287		9.53	10.0	-4.6	30.0
3-Chloropropene	Ave	1.259	1.245		9.89	10.0	-1.1	30.0
Acetonitrile	Ave	0.4720	0.4847		10.3	10.0	2.7	30.0
Methylene Chloride	Ave	0.9672	0.9123		9.43	10.0	-5.7	30.0
tert-Butyl alcohol	Ave	1.434	1.564		10.9	10.0	9.1	30.0
Methyl tert-butyl ether	Ave	2.989	2.975		9.95	10.0	-0.5	30.0
trans-1,2-Dichloroethene	Ave	1.466	1.468		10.0	10.0	0.1	30.0
Acrylonitrile	Ave	0.5395	0.4878		9.04	10.0	-9.6	30.0
n-Hexane	Ave	1.520	1.456		9.58	10.0	-4.2	30.0
Vinyl acetate	Ave	2.096	2.112		10.1	10.0	0.8	30.0
1,1-Dichloroethane	Ave	1.828	1.772		9.69	10.0	-3.1	30.0
Methyl Ethyl Ketone	Ave	0.4067	0.4093		10.1	10.0	0.6	30.0
Ethyl acetate	Ave	0.0820	0.0816		9.94	10.0	-0.6	30.0
cis-1,2-Dichloroethene	Ave	1.052	0.9775		9.29	10.0	-7.1	30.0
Tetrahydrofuran	Ave	0.1730	0.1662		9.60	10.0	-3.9	30.0
Chloroform	Ave	2.413	2.452		10.2	10.0	1.6	30.0
1,1,1-Trichloroethane	Ave	0.5472	0.5699		10.4	10.0	4.2	30.0
Cyclohexane	Ave	0.2709	0.2622		9.68	10.0	-3.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Lab Sample ID: CCVIS 200-36845/2 Calibration Date: 04/12/2012 11:36

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrj002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5818	0.6102		10.5	10.0	4.9	30.0
2,2,4-Trimethylpentane	Ave	0.9230	0.8718		9.44	10.0	-5.6	30.0
Benzene	Ave	0.5728	0.5390		9.41	10.0	-5.9	30.0
1,2-Dichloroethane	Ave	0.3356	0.3546		10.6	10.0	5.7	30.0
n-Heptane	Ave	0.3540	0.3441		9.72	10.0	-2.8	30.0
n-Butanol	Ave	0.0675	0.0638		9.45	10.0	-5.5	30.0
Trichloroethene	Ave	0.2998	0.2807		9.36	10.0	-6.4	30.0
1,2-Dichloropropane	Ave	0.1926	0.1814		9.42	10.0	-5.8	30.0
Methyl methacrylate	Ave	0.1847	0.1809		9.79	10.0	-2.1	30.0
1,4-Dioxane	Ave	0.0713	0.0728		10.2	10.0	2.0	30.0
Dibromomethane	Ave	0.2813	0.3010		10.7	10.0	7.0	30.0
Bromodichloromethane	Ave	0.4890	0.5162		10.6	10.0	5.6	30.0
cis-1,3-Dichloropropene	Ave	0.3370	0.3281		9.73	10.0	-2.6	30.0
methyl isobutyl ketone	Ave	0.3692	0.3736		10.1	10.0	1.2	30.0
n-Octane	Ave	0.4810	0.4635		9.63	10.0	-3.6	30.0
Toluene	Ave	0.4484	0.4284		9.55	10.0	-4.5	30.0
trans-1,3-Dichloropropene	Ave	0.3656	0.3652		9.99	10.0	-0.1	30.0
1,1,2-Trichloroethane	Ave	0.2017	0.1949		9.66	10.0	-3.4	30.0
Tetrachloroethene	Ave	0.4854	0.5040		10.4	10.0	3.8	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3602	0.3681		10.2	10.0	2.2	30.0
Dibromochloromethane	Ave	0.5039	0.5482		10.9	10.0	8.8	30.0
1,2-Dibromoethane	Ave	0.4031	0.4078		10.1	10.0	1.2	30.0
Chlorobenzene	Ave	0.6391	0.6278		9.82	10.0	-1.8	30.0
Ethylbenzene	Ave	1.059	1.057		9.99	10.0	-0.1	30.0
n-Nonane	Ave	0.4564	0.4441		9.73	10.0	-2.7	30.0
m,p-Xylene	Ave	0.4016	0.3985		19.8	20.0	-0.8	30.0
Xylene, o-	Ave	0.3903	0.3892		9.97	10.0	-0.3	30.0
Styrene	Ave	0.5906	0.6039		10.2	10.0	2.3	30.0
Bromoform	Ave	0.5269	0.5905		11.2	10.0	12.1	30.0
Cumene	Ave	1.221	1.248		10.2	10.0	2.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5120	0.5124		10.0	10.0	0.0	30.0
1,2,3-Trichloropropane	Ave	0.4609	0.4697		10.2	10.0	1.9	30.0
n-Propylbenzene	Ave	1.367	1.414		10.3	10.0	3.5	30.0
n-Decane	Ave	0.5416	0.5640		10.4	10.0	4.1	30.0
4-Ethyltoluene	Ave	1.206	1.279		10.6	10.0	6.1	30.0
2-Chlorotoluene	Ave	1.076	1.099		10.2	10.0	2.1	30.0
1,3,5-Trimethylbenzene	Ave	1.063	1.118		10.5	10.0	5.2	30.0
Alpha Methyl Styrene	Ave	0.4565	0.5007		11.0	10.0	9.7	30.0
tert-Butylbenzene	Ave	1.013	1.059		10.5	10.0	4.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-36845/2 Calibration Date: 04/12/2012 11:36
 Instrument ID: C.i Calib Start Date: 03/30/2012 16:32
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20
 Lab File ID: ckrj002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.037	1.084		10.4	10.0	4.5	30.0
sec-Butylbenzene	Ave	1.383	1.450		10.5	10.0	4.9	30.0
4-Isopropyltoluene	Ave	1.224	1.305		10.7	10.0	6.7	30.0
1,3-Dichlorobenzene	Ave	0.7077	0.7362		10.4	10.0	4.0	30.0
1,4-Dichlorobenzene	Ave	0.6856	0.7154		10.4	10.0	4.3	30.0
Benzyl chloride	Ave	0.7860	0.6990		8.89	10.0	-11.1	30.0
n-Undecane	Ave	0.5299	0.4876		9.20	10.0	-8.0	30.0
n-Butylbenzene	Ave	0.9746	1.032		10.6	10.0	5.8	30.0
1,2-Dichlorobenzene	Ave	0.6629	0.6951		10.5	10.0	4.9	30.0
n-Dodecane	Ave	0.2236	0.1900		8.50	10.0	-15.0	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3184		9.98	10.0	-0.2	30.0
Hexachlorobutadiene	Ave	0.4140	0.4192		10.1	10.0	1.2	30.0
Naphthalene	Ave	0.5408	0.5316		9.83	10.0	-1.7	30.0
1,2,3-Trichlorobenzene	Ave	0.2416	0.2348		9.72	10.0	-2.8	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrjto15.b/ckrj002.d
Lab Smp Id: ccvis 316587 Client Smp ID: ccvis 316587
Inj Date : 12-APR-2012 11:36
Operator : pad Inst ID: C.i
Smp Info : ccvis 316587
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckrjto15.b/to15v5.m
Meth Date : 13-Apr-2012 11:17 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
1 Propene	41	4.993	4.972	(0.451)	151727	10.0000	9.5
2 Dichlorodifluoromethane	85	5.068	5.057	(0.458)	809317	10.0000	11
3 Chlorodifluoromethane	51	5.116	5.095	(0.462)	376704	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.361	5.345	(0.484)	709795	10.0000	10
5 Chloromethane	50	5.522	5.511	(0.499)	169055	10.0000	9.2
6 Butane	43	5.735	5.719	(0.518)	363873	10.0000	10
7 Vinyl chloride	62	5.767	5.762	(0.521)	214045	10.0000	9.7
8 1,3-Butadiene	54	5.847	5.831	(0.528)	156683	10.0000	9.6
9 Bromomethane	94	6.504	6.493	(0.588)	219002	10.0000	9.9
10 Chloroethane	64	6.696	6.690	(0.605)	114442	10.0000	9.7
11 2-Methylbutane	43	6.765	6.760	(0.611)	257887	10.0000	9.5
12 Vinyl bromide	106	7.048	7.043	(0.637)	216595	10.0000	10
13 Trichlorofluoromethane	101	7.133	7.123	(0.645)	881310	10.0000	11
14 Pentane	43	7.240	7.235	(0.654)	406876	10.0000	10

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.459	7.448 (0.674)		85399	15.0000	14
16 Ethyl ether	59	7.635	7.624 (0.690)		151046	10.0000	9.8
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.987	7.987 (0.722)		500691	10.0000	10
18 Acrolein	56	7.945	7.934 (0.718)		61884	10.0000	9.2
19 1,1-Dichloroethene	96	8.057	8.057 (0.728)		211991	10.0000	9.4
20 Acetone	43	8.174	8.169 (0.739)		416626	10.0000	12
21 Carbon disulfide	76	8.462	8.462 (0.765)		596521	10.0000	9.5
22 Isopropanol	45	8.313	8.313 (0.751)		248023	10.0000	11
23 Allyl chloride	41	8.654	8.654 (0.782)		324743	10.0000	9.9(M)
24 Acetonitrile	41	8.681	8.654 (0.784)		126418	10.0000	10(QM)
25 Methylene chloride	49	8.868	8.868 (0.801)		237929	10.0000	9.4
26 Tert-butyl alcohol	59	8.932	8.927 (0.807)		407873	10.0000	11
27 Methyl tert-butyl ether	73	9.193	9.188 (0.831)		775919	10.0000	10
28 1,2-Dichloroethene (trans)	61	9.241	9.236 (0.835)		382826	10.0000	10
29 Acrylonitrile	53	9.279	9.289 (0.838)		127224	10.0000	9.0
30 n-Hexane	57	9.535	9.535 (0.862)		379660	10.0000	9.6
31 1,1-Dichloroethane	63	9.903	9.903 (0.895)		462113	10.0000	9.7
32 Vinyl acetate	43	9.887	9.887 (0.893)		550833	10.0000	10
M 33 1,2-Dichloroethene,Total	61				637745	20.0000	19
34 1,2-Dichloroethene (cis)	96	10.720	10.725 (0.969)		254919	10.0000	9.3
35 Ethyl acetate	88	10.714	10.709 (0.968)		21271	10.0000	9.9
36 Methyl Ethyl Ketone	72	10.709	10.714 (0.968)		106755	10.0000	10
* 37 Bromochloromethane	128	11.067	11.072 (1.000)		260851	10.0000	
38 Tetrahydrofuran	42	11.104	11.104 (0.897)		233452	10.0000	9.6
39 Chloroform	83	11.120	11.120 (1.005)		639489	10.0000	10
40 Cyclohexane	84	11.424	11.430 (0.922)		368215	10.0000	9.7
41 1,1,1-Trichloroethane	97	11.398	11.403 (0.920)		800458	10.0000	10
42 Carbon tetrachloride	117	11.600	11.600 (0.937)		857051	10.0000	10
43 2,2,4-Trimethylpentane	57	11.862	11.862 (0.958)		1224451	10.0000	9.4
44 Benzene	78	11.899	11.905 (0.961)		757136	10.0000	9.4
45 1,2-Dichloroethane	62	11.974	11.979 (0.967)		498099	10.0000	11
46 n-Heptane	43	12.081	12.081 (0.975)		483287	10.0000	9.7
* 47 1,4-Difluorobenzene	114	12.385	12.390 (1.000)		1404867	10.0000	
48 n-Butanol	56	12.529	12.529 (1.012)		89581	10.0000	9.4
49 Trichloroethene	95	12.753	12.758 (1.030)		394214	10.0000	9.4
50 1,2-Dichloropropane	63	13.116	13.116 (1.059)		254765	10.0000	9.4
51 Methyl methacrylate	69	13.127	13.132 (1.060)		254114	10.0000	9.8
52 Dibromomethane	174	13.292	13.297 (1.073)		422792	10.0000	11
53 1,4-Dioxane	88	13.244	13.244 (1.069)		102183	10.0000	10
54 Bromodichloromethane	83	13.442	13.452 (1.085)		724998	10.0000	11
55 1,3-Dichloropropene (cis)	75	14.055	14.066 (1.135)		460870	10.0000	9.7
56 Methyl isobutyl ketone	43	14.205	14.210 (1.147)		524756	10.0000	10
57 n-Octane	43	14.461	14.466 (1.168)		651081	10.0000	9.6
58 Toluene	92	14.493	14.498 (0.889)		575057	10.0000	9.6
59 1,3-Dichloropropene (trans)	75	14.802	14.808 (1.195)		513003	10.0000	10
60 1,1,2-Trichloroethane	83	15.059	15.064 (0.924)		261585	10.0000	9.7
61 Tetrachloroethene	166	15.213	15.219 (0.933)		676545	10.0000	10

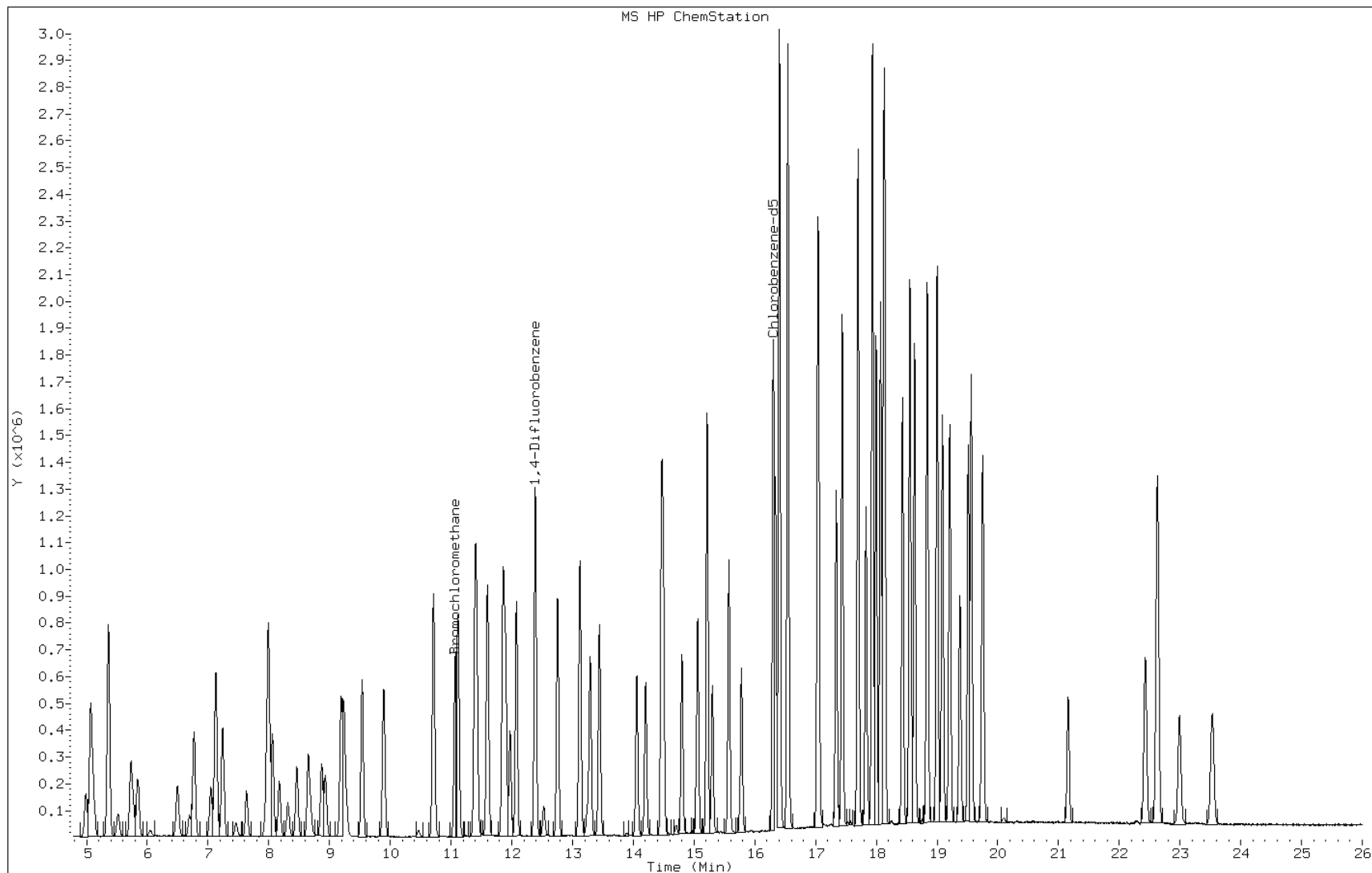
Compounds	QUANT SIG		RT	EXP RT	REL RT	RESPONSE	AMOUNTS	
	MASS						CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43		15.299	15.304	(0.938)	494047	10.0000	10
63 Dibromochloromethane	129		15.576	15.582	(0.955)	735872	10.0000	11
64 1,2-Dibromoethane	107		15.779	15.784	(0.968)	547417	10.0000	10
* 65 Chlorobenzene-d5	117		16.302	16.313	(1.000)	1342529	10.0000	
66 Chlorobenzene	112		16.345	16.350	(1.003)	842701	10.0000	9.8
67 n-Nonane	57		16.409	16.420	(1.007)	596043	10.0000	9.7
68 Ethylbenzene	91		16.404	16.409	(1.006)	1419292	10.0000	10
69 Xylene (m,p)	106		16.542	16.548	(1.015)	1069698	20.0000	20
M 70 Xylenes, Total	106					1592067	10.0000	30
71 Xylene (o)	106		17.039	17.044	(1.045)	522369	10.0000	10
72 Styrene	104		17.055	17.060	(1.046)	810619	10.0000	10
73 Bromoform	173		17.343	17.348	(1.064)	792643	10.0000	11
74 Isopropylbenzene	105		17.439	17.444	(1.070)	1674997	10.0000	10
75 1,1,2,2-Tetrachloroethane	83		17.834	17.845	(1.094)	687767	10.0000	10
76 n-Propylbenzene	91		17.935	17.941	(1.100)	1898334	10.0000	10
77 1,2,3-Trichloropropane	75		17.930	17.941	(1.100)	630470	10.0000	10
78 n-Decane	57		17.994	17.999	(1.104)	757025	10.0000	10
79 4-Ethyltoluene	105		18.069	18.074	(1.108)	1717282	10.0000	11
80 2-Chlorotoluene	91		18.122	18.127	(1.112)	1475417	10.0000	10
81 1,3,5-Trimethylbenzene	105		18.138	18.143	(1.113)	1500862	10.0000	11
82 Alpha Methyl Styrene	118		18.437	18.442	(1.131)	672025	10.0000	11
83 tert-butylbenzene	119		18.554	18.565	(1.138)	1421666	10.0000	10
84 1,2,4-Trimethylbenzene	105		18.629	18.634	(1.143)	1454372	10.0000	10
85 sec-Butylbenzene	105		18.837	18.848	(1.155)	1946085	10.0000	10
86 4-Isopropyltoluene	119		19.003	19.013	(1.166)	1752187	10.0000	11
87 1,3-Dichlorobenzene	146		19.088	19.099	(1.171)	988213	10.0000	10
88 1,4-Dichlorobenzene	146		19.211	19.221	(1.178)	960198	10.0000	10
89 Benzyl chloride	91		19.376	19.382	(1.189)	938299	10.0000	8.9
90 Undecane	57		19.515	19.520	(1.197)	654491	10.0000	9.2
91 n-Butylbenzene	91		19.563	19.574	(1.200)	1384617	10.0000	11
92 1,2-Dichlorobenzene	146		19.750	19.760	(1.211)	933067	10.0000	10
93 Dodecane	57		21.159	21.169	(1.298)	255060	10.0000	8.5
94 1,2,4-Trichlorobenzene	180		22.429	22.440	(1.376)	427392	10.0000	10
95 1,3-Hexachlorobutadiene	225		22.632	22.642	(1.388)	562630	10.0000	10
96 Naphthalene	128		22.989	23.005	(1.410)	713477	10.0000	9.8
97 1,2,3-Trichlorobenzene	180		23.534	23.544	(1.444)	315124	10.0000	9.7

QC Flag Legend

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

Data File: ckrj002.d
Client ID: ccvis 316587
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 316587
Lab Sample ID: ccvis 316587

Date: 12-APR-2012 11:36
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

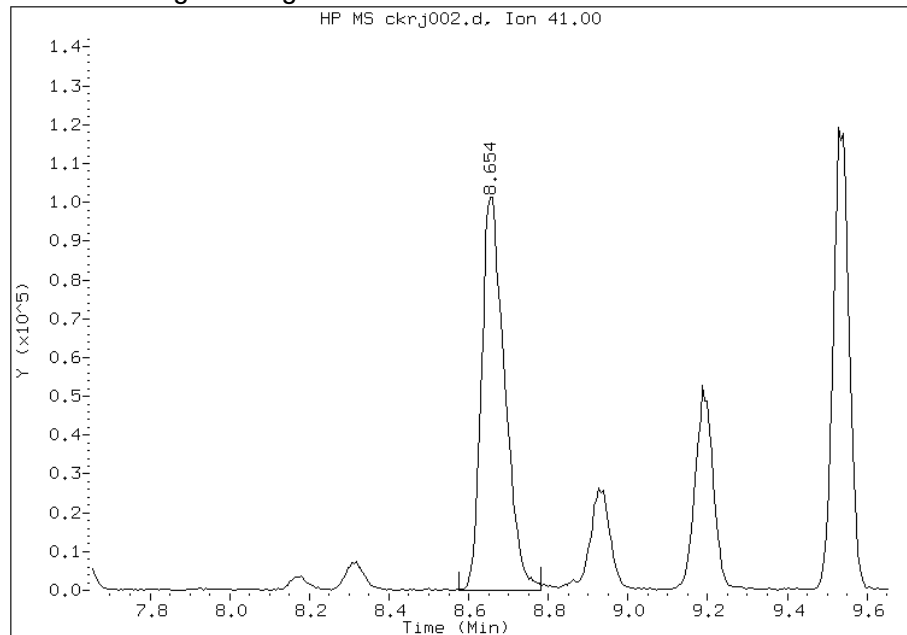


Manual Integration Report

Data File: ckrj002.d
Lab Sample ID: ccvis 316587
Inj. Date and Time: 12-APR-2012 11:36
Instrument ID: C.i
Client ID: ccvis 316587
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/13/2012

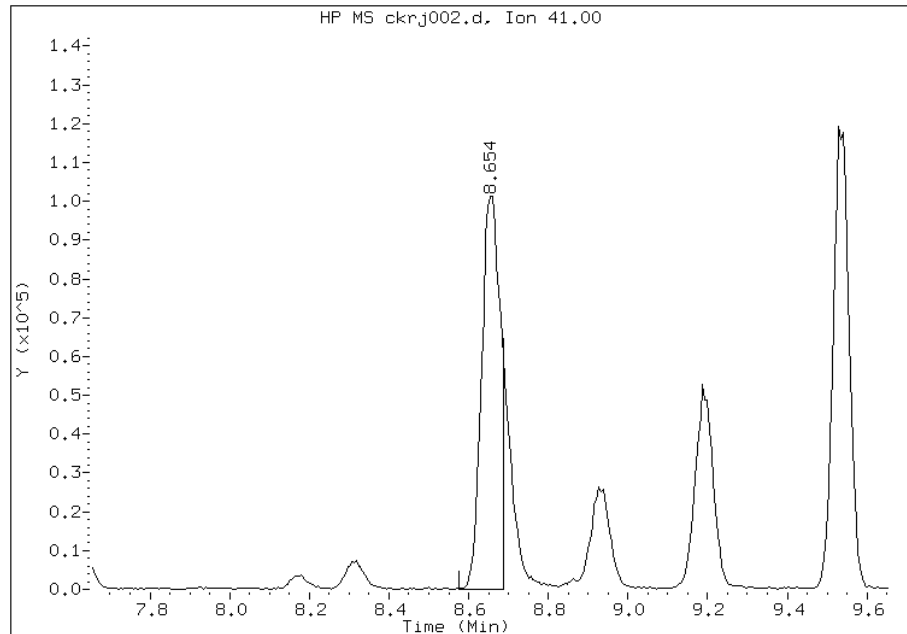
Processing Integration Results

RT: 8.65
Response: 410575
Amount: 12.50
Conc: 12.50



Manual Integration Results

RT: 8.65
Response: 324743
Amount: 9.89
Conc: 9.89



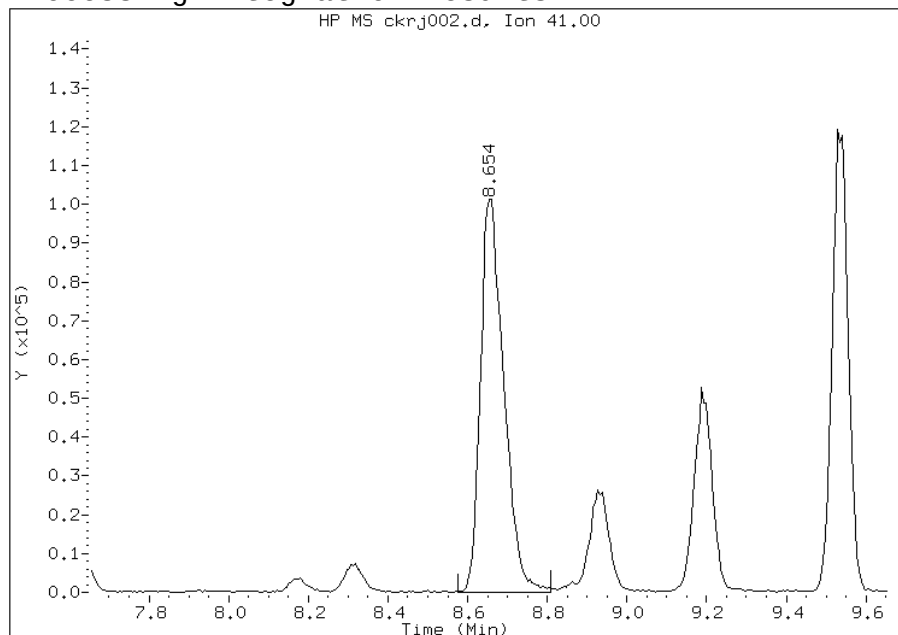
File Uploaded By: pd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckrj002.d
Lab Sample ID: ccvis 316587
Inj. Date and Time: 12-APR-2012 11:36
Instrument ID: C.i
Client ID: ccvis 316587
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/13/2012

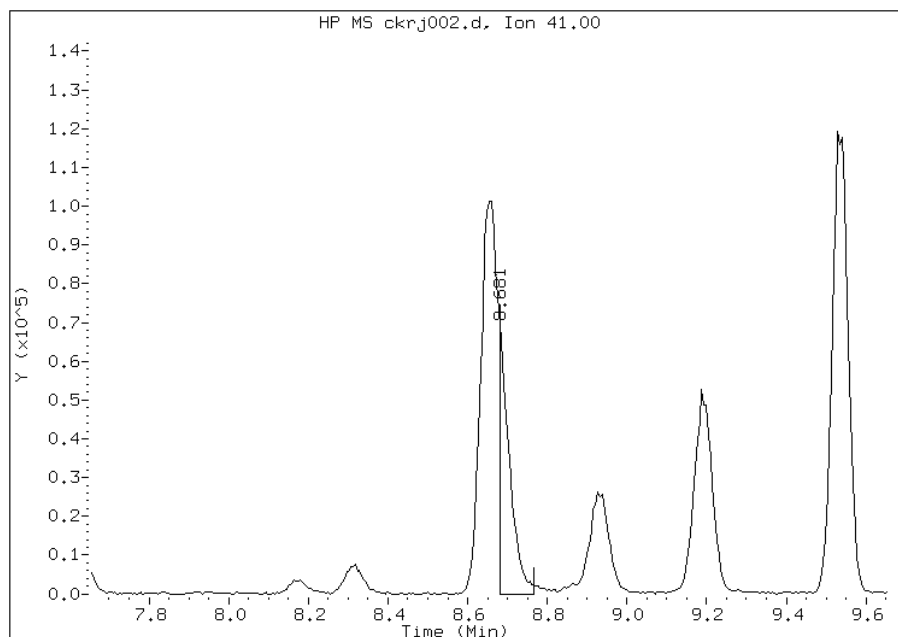
Processing Integration Results

RT: 8.65
Response: 412406
Amount: 33.50
Conc: 33.50



Manual Integration Results

RT: 8.68
Response: 126418
Amount: 10.27
Conc: 10.27



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Lab Sample ID: CCVIS 200-36891/2 Calibration Date: 04/13/2012 11:40

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrk002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Propylene	Ave	0.6097	0.5740		9.41	10.0	-5.8	30.0
Dichlorodifluoromethane	Ave	2.911	3.118		10.7	10.0	7.1	30.0
Freon 22	Ave	1.416	1.438		10.2	10.0	1.6	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.731	2.776		10.2	10.0	1.7	30.0
Chloromethane	Ave	0.7027	0.6697		9.53	10.0	-4.7	30.0
n-Butane	Ave	1.358	1.322		9.74	10.0	-2.6	30.0
Vinyl chloride	Ave	0.8500	0.8187		9.63	10.0	-3.7	30.0
1,3-Butadiene	Ave	0.6229	0.6045		9.70	10.0	-3.0	30.0
Bromomethane	Ave	0.8499	0.8507		10.0	10.0	0.0	30.0
Chloroethane	Ave	0.4520	0.4377		9.68	10.0	-3.2	30.0
Isopentane	Ave	1.045	0.9606		9.19	10.0	-8.1	30.0
Bromoethene (Vinyl Bromide)	Ave	0.8326	0.8565		10.3	10.0	2.9	30.0
Trichlorofluoromethane	Ave	3.211	3.459		10.8	10.0	7.7	30.0
n-Pentane	Ave	1.562	1.507		9.64	10.0	-3.6	30.0
Ethanol	Ave	0.2303	0.2171		14.1	15.0	-5.7	30.0
Ethyl ether	Ave	0.5932	0.5968		10.1	10.0	0.6	30.0
Acrolein	Ave	0.2567	0.2400		9.35	10.0	-6.5	30.0
Freon TF	Ave	1.919	1.961		10.2	10.0	2.2	30.0
1,1-Dichloroethene	Ave	0.8623	0.8115		9.41	10.0	-5.9	30.0
Acetone	Ave	1.379	1.602		11.6	10.0	16.2	30.0
Isopropyl alcohol	Ave	0.8813	0.9111		10.3	10.0	3.4	30.0
Carbon disulfide	Ave	2.399	2.317		9.66	10.0	-3.4	30.0
3-Chloropropene	Ave	1.259	1.277		10.1	10.0	1.4	30.0
Acetonitrile	Ave	0.4720	0.3652		7.74	10.0	-22.6	30.0
Methylene Chloride	Ave	0.9672	0.9311		9.63	10.0	-3.7	30.0
tert-Butyl alcohol	Ave	1.434	1.545		10.8	10.0	7.7	30.0
Methyl tert-butyl ether	Ave	2.989	3.079		10.3	10.0	3.0	30.0
trans-1,2-Dichloroethene	Ave	1.466	1.484		10.1	10.0	1.2	30.0
Acrylonitrile	Ave	0.5395	0.5144		9.53	10.0	-4.7	30.0
n-Hexane	Ave	1.520	1.443		9.49	10.0	-5.1	30.0
Vinyl acetate	Ave	2.096	2.182		10.4	10.0	4.1	30.0
1,1-Dichloroethane	Ave	1.828	1.799		9.84	10.0	-1.6	30.0
Ethyl acetate	Ave	0.0820	0.0850		10.4	10.0	3.6	30.0
Methyl Ethyl Ketone	Ave	0.4067	0.4221		10.4	10.0	3.8	30.0
cis-1,2-Dichloroethene	Ave	1.052	1.010		9.60	10.0	-4.0	30.0
Tetrahydrofuran	Ave	0.1730	0.1700		9.82	10.0	-1.7	30.0
Chloroform	Ave	2.413	2.482		10.3	10.0	2.9	30.0
1,1,1-Trichloroethane	Ave	0.5472	0.5859		10.7	10.0	7.1	30.0
Cyclohexane	Ave	0.2709	0.2694		9.94	10.0	-0.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Lab Sample ID: CCVIS 200-36891/2 Calibration Date: 04/13/2012 11:40

Instrument ID: C.i Calib Start Date: 03/30/2012 16:32

GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20

Lab File ID: ckrk002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N

EPA Sample No.: ccvis 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.5818	0.6235		10.7	10.0	7.2	30.0
2,2,4-Trimethylpentane	Ave	0.9230	0.8845		9.58	10.0	-4.2	30.0
Benzene	Ave	0.5728	0.5483		9.57	10.0	-4.3	30.0
1,2-Dichloroethane	Ave	0.3356	0.3623		10.8	10.0	7.9	30.0
n-Heptane	Ave	0.3540	0.3405		9.62	10.0	-3.8	30.0
n-Butanol	Ave	0.0675	0.0598		8.85	10.0	-11.4	30.0
Trichloroethene	Ave	0.2998	0.2941		9.81	10.0	-1.9	30.0
1,2-Dichloropropane	Ave	0.1926	0.1877		9.74	10.0	-2.6	30.0
Methyl methacrylate	Ave	0.1847	0.1906		10.3	10.0	3.2	30.0
1,4-Dioxane	Ave	0.0713	0.0717		10.0	10.0	0.4	30.0
Dibromomethane	Ave	0.2813	0.3106		11.0	10.0	10.4	30.0
Bromodichloromethane	Ave	0.4890	0.5339		10.9	10.0	9.2	30.0
cis-1,3-Dichloropropene	Ave	0.3370	0.3411		10.1	10.0	1.2	30.0
methyl isobutyl ketone	Ave	0.3692	0.3864		10.5	10.0	4.7	30.0
n-Octane	Ave	0.4810	0.4696		9.76	10.0	-2.4	30.0
Toluene	Ave	0.4484	0.4404		9.82	10.0	-1.8	30.0
trans-1,3-Dichloropropene	Ave	0.3656	0.3853		10.5	10.0	5.4	30.0
1,1,2-Trichloroethane	Ave	0.2017	0.1987		9.85	10.0	-1.5	30.0
Tetrachloroethene	Ave	0.4854	0.5151		10.6	10.0	6.1	30.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.3602	0.3851		10.7	10.0	6.9	30.0
Dibromochloromethane	Ave	0.5039	0.5649		11.2	10.0	12.1	30.0
1,2-Dibromoethane	Ave	0.4031	0.4210		10.4	10.0	4.5	30.0
Chlorobenzene	Ave	0.6391	0.6468		10.1	10.0	1.2	30.0
Ethylbenzene	Ave	1.059	1.081		10.2	10.0	2.2	30.0
n-Nonane	Ave	0.4564	0.4519		9.90	10.0	-1.0	30.0
m,p-Xylene	Ave	0.4016	0.4145		20.6	20.0	3.2	30.0
Xylene, o-	Ave	0.3903	0.3991		10.2	10.0	2.2	30.0
Styrene	Ave	0.5906	0.6187		10.5	10.0	4.8	30.0
Bromoform	Ave	0.5269	0.6074		11.5	10.0	15.3	30.0
Cumene	Ave	1.221	1.269		10.4	10.0	3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5120	0.5098		9.95	10.0	-0.4	30.0
1,2,3-Trichloropropane	Ave	0.4609	0.4735		10.3	10.0	2.7	30.0
n-Propylbenzene	Ave	1.367	1.452		10.6	10.0	6.2	30.0
n-Decane	Ave	0.5416	0.5695		10.5	10.0	5.1	30.0
4-Ethyltoluene	Ave	1.206	1.294		10.7	10.0	7.3	30.0
2-Chlorotoluene	Ave	1.076	1.111		10.3	10.0	3.2	30.0
1,3,5-Trimethylbenzene	Ave	1.063	1.158		10.9	10.0	9.0	30.0
Alpha Methyl Styrene	Ave	0.4565	0.5116		11.2	10.0	12.1	30.0
tert-Butylbenzene	Ave	1.013	1.080		10.7	10.0	6.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Lab Sample ID: CCVIS 200-36891/2 Calibration Date: 04/13/2012 11:40
 Instrument ID: C.i Calib Start Date: 03/30/2012 16:32
 GC Column: RTX-624 ID: 0.32 (mm) Calib End Date: 03/30/2012 22:20
 Lab File ID: ckrk002.d Conc. Units: ppb v/v Heated Purge: (Y/N) N
 EPA Sample No.: ccvis 316587

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trimethylbenzene	Ave	1.037	1.114		10.7	10.0	7.4	30.0
sec-Butylbenzene	Ave	1.383	1.484		10.7	10.0	7.3	30.0
4-Isopropyltoluene	Ave	1.224	1.334		10.9	10.0	9.0	30.0
1,3-Dichlorobenzene	Ave	0.7077	0.7524		10.6	10.0	6.3	30.0
1,4-Dichlorobenzene	Ave	0.6856	0.7304		10.7	10.0	6.5	30.0
Benzyl chloride	Ave	0.7860	0.7264		9.24	10.0	-7.6	30.0
n-Undecane	Ave	0.5299	0.4949		9.34	10.0	-6.6	30.0
n-Butylbenzene	Ave	0.9746	1.064		10.9	10.0	9.2	30.0
1,2-Dichlorobenzene	Ave	0.6629	0.7116		10.7	10.0	7.4	30.0
n-Dodecane	Ave	0.2236	0.1847		8.26	10.0	-17.4	30.0
1,2,4-Trichlorobenzene	Ave	0.3189	0.3272		10.3	10.0	2.6	30.0
Hexachlorobutadiene	Ave	0.4140	0.4353		10.5	10.0	5.1	30.0
Naphthalene	Ave	0.5408	0.5328		9.85	10.0	-1.5	30.0
1,2,3-Trichlorobenzene	Ave	0.2416	0.2389		9.89	10.0	-1.1	30.0

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrkto15.b/ckrk002.d
Lab Smp Id: ccvis 316587 Client Smp ID: ccvis 316587
Inj Date : 13-APR-2012 11:40
Operator : pad Inst ID: C.i
Smp Info : ccvis 316587
Misc Info : 200,1, ccvis
Comment :
Method : /chem/C.i/Csvr.p/ckrkto15.b/to15v5.m
Meth Date : 14-Apr-2012 18:03 wrd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 5 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable

Local Compound Variable

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
1 Propene	41	4.972	4.972	(0.450)	150154	10.0000	9.4
2 Dichlorodifluoromethane	85	5.052	5.057	(0.457)	815585	10.0000	11
3 Chlorodifluoromethane	51	5.095	5.095	(0.461)	376095	10.0000	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.340	5.345	(0.483)	726100	10.0000	10
5 Chloromethane	50	5.500	5.511	(0.497)	175192	10.0000	9.5
6 Butane	43	5.714	5.719	(0.517)	345948	10.0000	9.7
7 Vinyl chloride	62	5.756	5.762	(0.521)	214156	10.0000	9.6
8 1,3-Butadiene	54	5.831	5.831	(0.527)	158141	10.0000	9.7
9 Bromomethane	94	6.482	6.493	(0.586)	222534	10.0000	10
10 Chloroethane	64	6.685	6.690	(0.605)	114497	10.0000	9.7
11 2-Methylbutane	43	6.754	6.760	(0.611)	251293	10.0000	9.2
12 Vinyl bromide	106	7.032	7.043	(0.636)	224051	10.0000	10
13 Trichlorofluoromethane	101	7.117	7.123	(0.644)	904772	10.0000	11
14 Pentane	43	7.224	7.235	(0.653)	394114	10.0000	9.6

Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.448	7.448	(0.674)	85214	15.0000	14
16 Ethyl ether	59	7.619	7.624	(0.689)	156123	10.0000	10
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.976	7.987	(0.721)	513012	10.0000	10
18 Acrolein	56	7.923	7.934	(0.717)	62791	10.0000	9.4
19 1,1-Dichloroethene	96	8.051	8.057	(0.728)	212279	10.0000	9.4
20 Acetone	43	8.158	8.169	(0.738)	419020	10.0000	12
21 Carbon disulfide	76	8.451	8.462	(0.764)	606078	10.0000	9.7
22 Isopropanol	45	8.302	8.313	(0.751)	238324	10.0000	10
23 Allyl chloride	41	8.644	8.654	(0.782)	334014	10.0000	10(M)
24 Acetonitrile	41	8.676	8.654	(0.785)	95524	10.0000	7.7(QM)
25 Methylene chloride	49	8.857	8.868	(0.801)	243564	10.0000	9.6
26 Tert-butyl alcohol	59	8.921	8.927	(0.807)	404070	10.0000	11
27 Methyl tert-butyl ether	73	9.183	9.188	(0.831)	805410	10.0000	10
28 1,2-Dichloroethene (trans)	61	9.225	9.236	(0.834)	388282	10.0000	10
29 Acrylonitrile	53	9.273	9.289	(0.839)	134563	10.0000	9.5
30 n-Hexane	57	9.524	9.535	(0.861)	377492	10.0000	9.5
31 1,1-Dichloroethane	63	9.887	9.903	(0.894)	470633	10.0000	9.8
32 Vinyl acetate	43	9.876	9.887	(0.893)	570747	10.0000	10
M 33 1,2-Dichloroethene,Total	61				652586	20.0000	20
34 1,2-Dichloroethene (cis)	96	10.714	10.725	(0.969)	264304	10.0000	9.6
35 Ethyl acetate	88	10.698	10.709	(0.968)	22240	10.0000	10
36 Methyl Ethyl Ketone	72	10.698	10.714	(0.968)	110414	10.0000	10
* 37 Bromochloromethane	128	11.056	11.072	(1.000)	261640	10.0000	
38 Tetrahydrofuran	42	11.093	11.104	(0.896)	237900	10.0000	9.8
39 Chloroform	83	11.109	11.120	(1.005)	649286	10.0000	10
40 Cyclohexane	84	11.419	11.430	(0.922)	376952	10.0000	9.9
41 1,1,1-Trichloroethane	97	11.392	11.403	(0.920)	819892	10.0000	11
42 Carbon tetrachloride	117	11.590	11.600	(0.936)	872535	10.0000	11
43 2,2,4-Trimethylpentane	57	11.851	11.862	(0.957)	1237716	10.0000	9.6
44 Benzene	78	11.894	11.905	(0.961)	767275	10.0000	9.6
45 1,2-Dichloroethane	62	11.969	11.979	(0.967)	506954	10.0000	11
46 n-Heptane	43	12.075	12.081	(0.975)	476443	10.0000	9.6
* 47 1,4-Difluorobenzene	114	12.379	12.390	(1.000)	1399651	10.0000	
48 n-Butanol	56	12.518	12.529	(1.011)	83661	10.0000	8.9
49 Trichloroethene	95	12.748	12.758	(1.030)	411612	10.0000	9.8
50 1,2-Dichloropropane	63	13.111	13.116	(1.059)	262612	10.0000	9.7
51 Methyl methacrylate	69	13.121	13.132	(1.060)	266653	10.0000	10
52 Dibromomethane	174	13.287	13.297	(1.073)	434625	10.0000	11
53 1,4-Dioxane	88	13.233	13.244	(1.069)	100264	10.0000	10
54 Bromodichloromethane	83	13.436	13.452	(1.085)	747054	10.0000	11
55 1,3-Dichloropropene (cis)	75	14.050	14.066	(1.135)	477333	10.0000	10
56 Methyl isobutyl ketone	43	14.199	14.210	(1.147)	540779	10.0000	10
57 n-Octane	43	14.461	14.466	(1.168)	657206	10.0000	9.8
58 Toluene	92	14.488	14.498	(0.889)	590514	10.0000	9.8
59 1,3-Dichloropropene (trans)	75	14.797	14.808	(1.195)	539127	10.0000	11
60 1,1,2-Trichloroethane	83	15.053	15.064	(0.923)	266343	10.0000	9.8
61 Tetrachloroethene	166	15.213	15.219	(0.933)	690599	10.0000	11

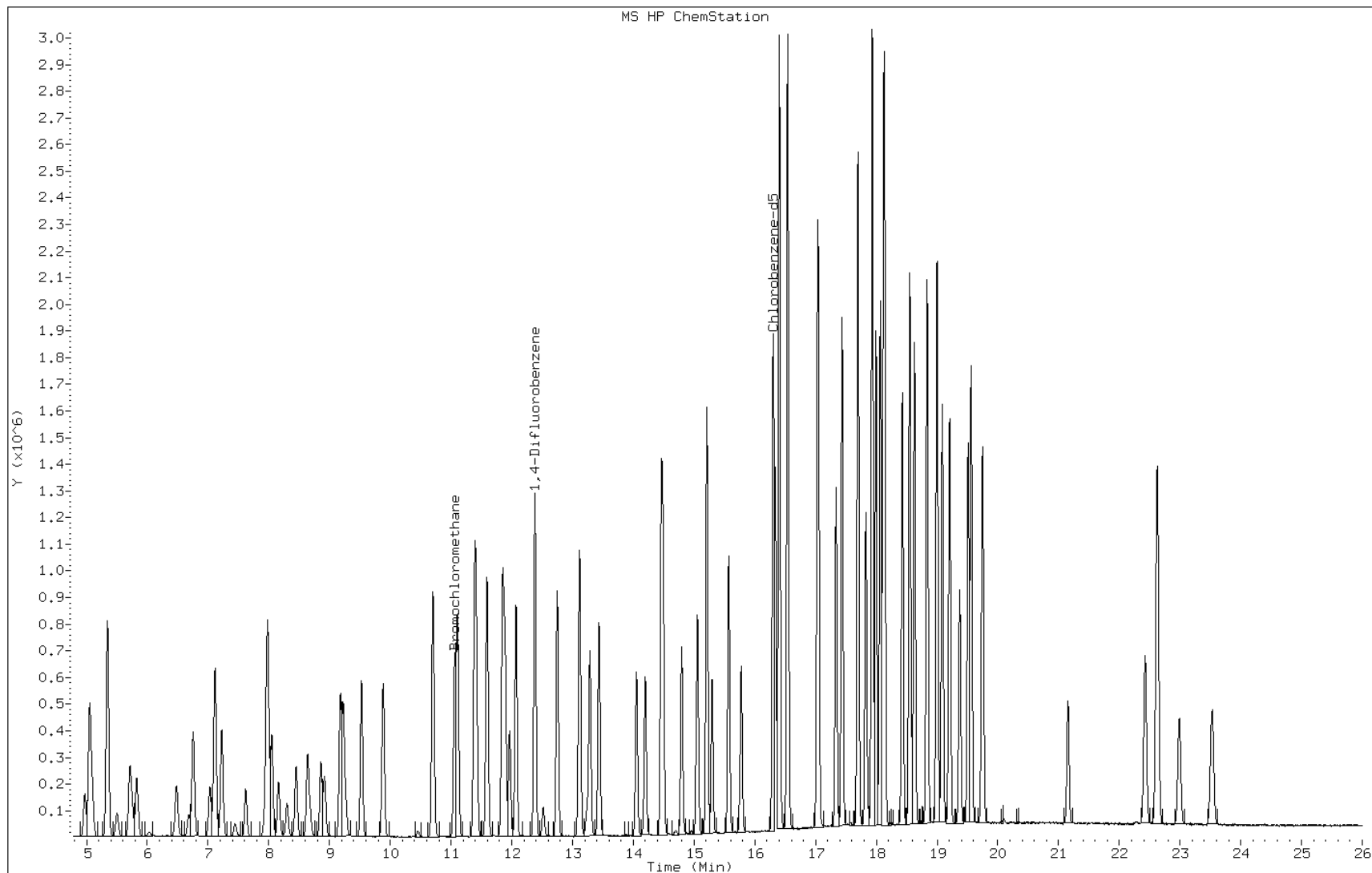
Compounds	QUANT SIG					AMOUNTS	
	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb v/v)	ON-COL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.293	15.304	(0.938)	516290	10.0000	11
63 Dibromochloromethane	129	15.571	15.582	(0.955)	757365	10.0000	11
64 1,2-Dibromoethane	107	15.774	15.784	(0.968)	564497	10.0000	10
* 65 Chlorobenzene-d5	117	16.302	16.313	(1.000)	1341005	10.0000	
66 Chlorobenzene	112	16.339	16.350	(1.002)	867164	10.0000	10
67 n-Nonane	57	16.409	16.420	(1.007)	605856	10.0000	9.9
68 Ethylbenzene	91	16.403	16.409	(1.006)	1449836	10.0000	10
69 Xylene (m,p)	106	16.537	16.548	(1.014)	1111563	20.0000	21
M 70 Xylenes, Total	106				1646625	10.0000	31
71 Xylene (o)	106	17.033	17.044	(1.045)	535062	10.0000	10
72 Styrene	104	17.049	17.060	(1.046)	829470	10.0000	10
73 Bromoform	173	17.337	17.348	(1.063)	814375	10.0000	12
74 Isopropylbenzene	105	17.439	17.444	(1.070)	1700979	10.0000	10
75 1,1,2,2-Tetrachloroethane	83	17.828	17.845	(1.094)	683473	10.0000	10
76 n-Propylbenzene	91	17.935	17.941	(1.100)	1947079	10.0000	11
77 1,2,3-Trichloropropane	75	17.930	17.941	(1.100)	634781	10.0000	10
78 n-Decane	57	17.994	17.999	(1.104)	763567	10.0000	11
79 4-Ethyltoluene	105	18.063	18.074	(1.108)	1734845	10.0000	11
80 2-Chlorotoluene	91	18.117	18.127	(1.111)	1488980	10.0000	10
81 1,3,5-Trimethylbenzene	105	18.138	18.143	(1.113)	1553216	10.0000	11
82 Alpha Methyl Styrene	118	18.431	18.442	(1.131)	685866	10.0000	11
83 tert-butylbenzene	119	18.554	18.565	(1.138)	1448031	10.0000	11
84 1,2,4-Trimethylbenzene	105	18.629	18.634	(1.143)	1494036	10.0000	11
85 sec-Butylbenzene	105	18.837	18.848	(1.155)	1989229	10.0000	11
86 4-Isopropyltoluene	119	19.003	19.013	(1.166)	1789025	10.0000	11
87 1,3-Dichlorobenzene	146	19.088	19.099	(1.171)	1008798	10.0000	11
88 1,4-Dichlorobenzene	146	19.211	19.221	(1.178)	979268	10.0000	11
89 Benzyl chloride	91	19.371	19.382	(1.188)	973860	10.0000	9.2
90 Undecane	57	19.510	19.520	(1.197)	663515	10.0000	9.3
91 n-Butylbenzene	91	19.563	19.574	(1.200)	1426785	10.0000	11
92 1,2-Dichlorobenzene	146	19.750	19.760	(1.211)	954126	10.0000	11
93 Dodecane	57	21.153	21.169	(1.298)	247638	10.0000	8.3
94 1,2,4-Trichlorobenzene	180	22.423	22.440	(1.375)	438728	10.0000	10
95 1,3-Hexachlorobutadiene	225	22.626	22.642	(1.388)	583567	10.0000	11
96 Naphthalene	128	22.984	23.005	(1.410)	714391	10.0000	9.9
97 1,2,3-Trichlorobenzene	180	23.528	23.544	(1.443)	320314	10.0000	9.9

QC Flag Legend

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

Data File: ckrk002.d
Client ID: ccvis 316587
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: ccvis 316587
Lab Sample ID: ccvis 316587

Date: 13-APR-2012 11:40
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

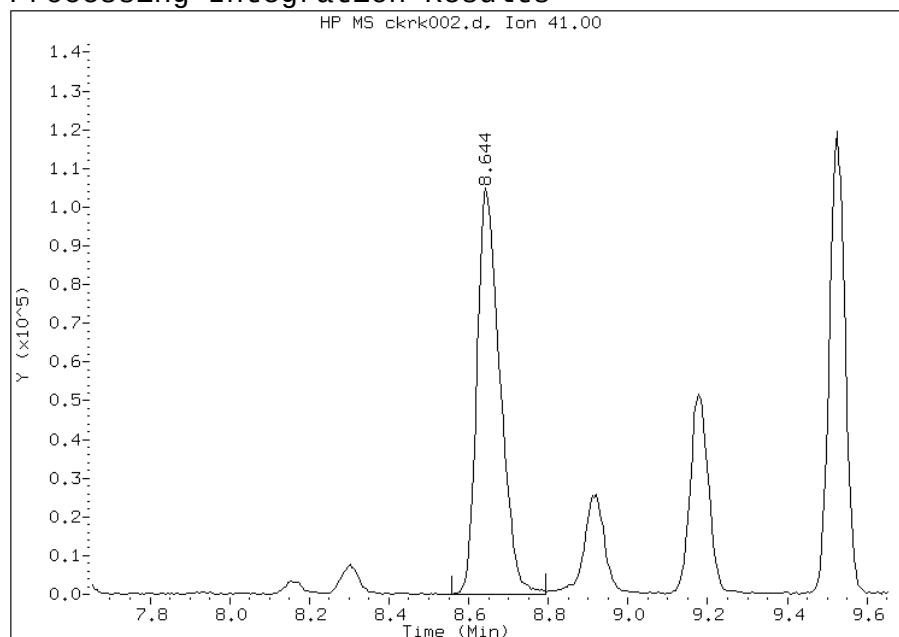


Manual Integration Report

Data File: ckrk002.d
Lab Sample ID: ccvis 316587
Inj. Date and Time: 13-APR-2012 11:40
Instrument ID: C.i
Client ID: ccvis 316587
Compound: 24 Acetonitrile
CAS #: 75-05-8
Report Date: 04/14/2012

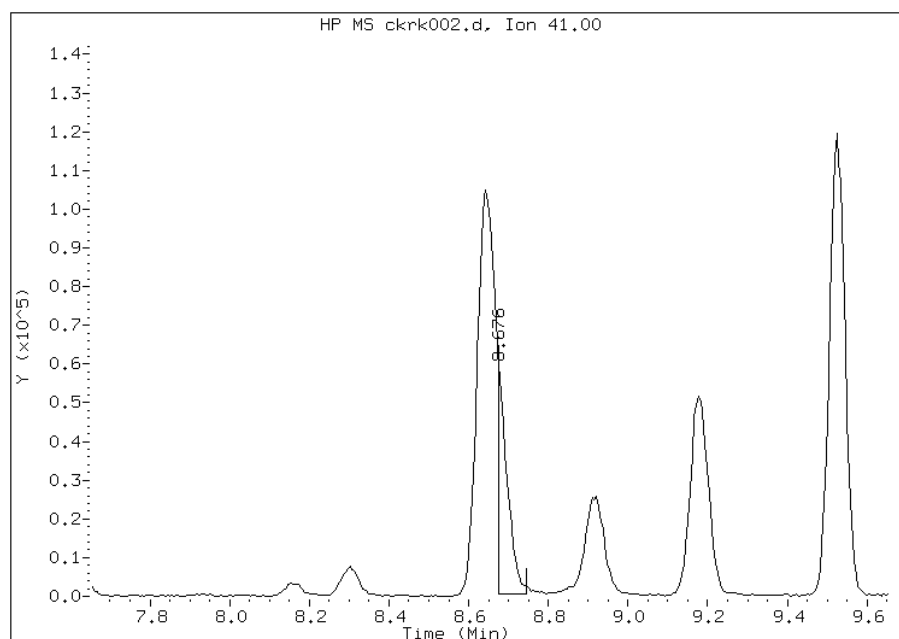
Processing Integration Results

RT: 8.64
Response: 420349
Amount: 34.04
Conc: 34.04



Manual Integration Results

RT: 8.68
Response: 95524
Amount: 7.74
Conc: 7.74



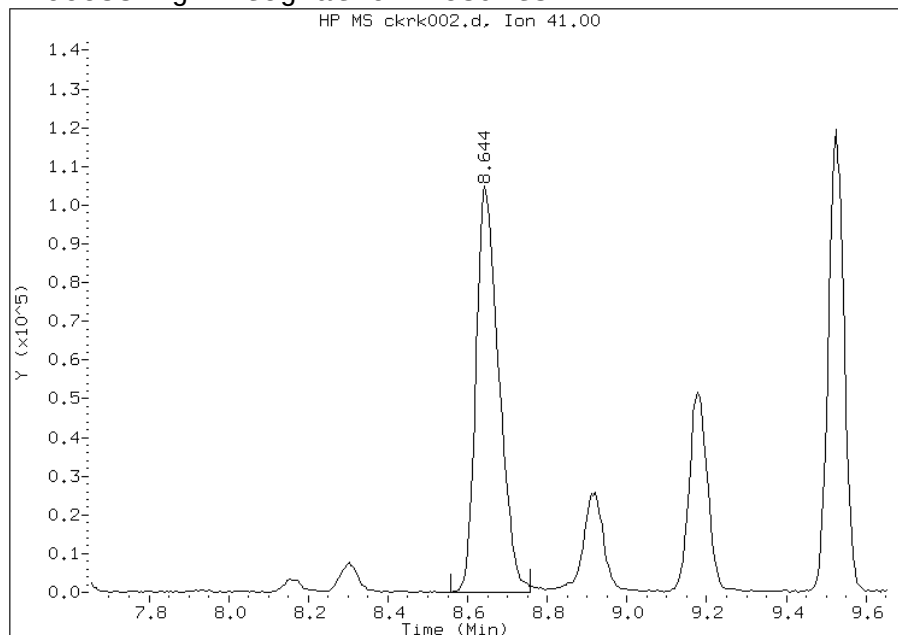
File Uploaded By: wrd
Manual Integration Reason: Baseline event

Manual Integration Report

Data File: ckrk002.d
Lab Sample ID: ccvis 316587
Inj. Date and Time: 13-APR-2012 11:40
Instrument ID: C.i
Client ID: ccvis 316587
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/14/2012

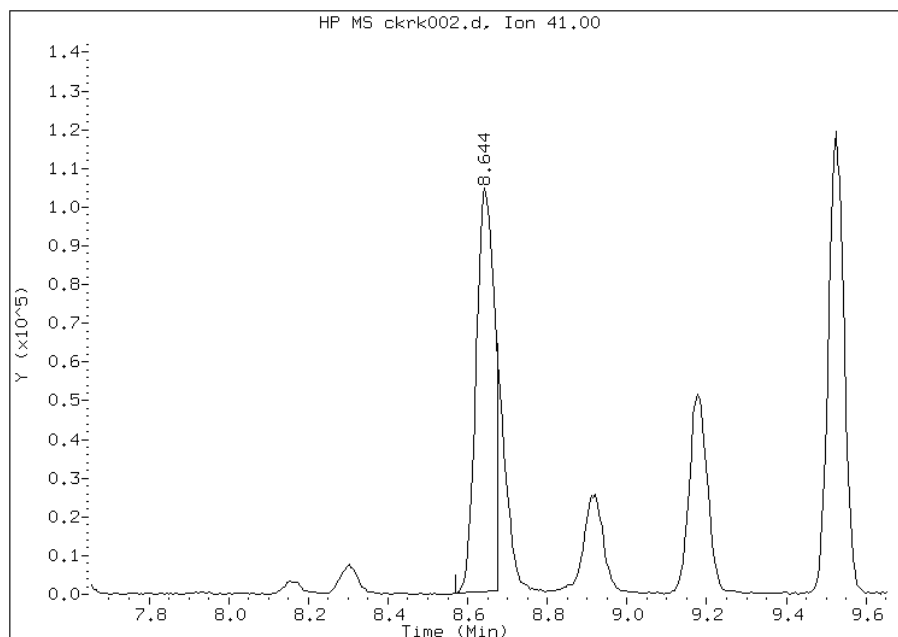
Processing Integration Results

RT: 8.64
Response: 417753
Amount: 12.68
Conc: 12.68



Manual Integration Results

RT: 8.64
Response: 334014
Amount: 10.14
Conc: 10.14



File Uploaded By: wrd
Manual Integration Reason: Baseline event

TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckrto15.b/ckr001.d
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 30-MAR-2012 14:51
 Operator : pad Inst ID: C.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/C.i/Csvr.p/ckrto15.b/bfbto15.m
 Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

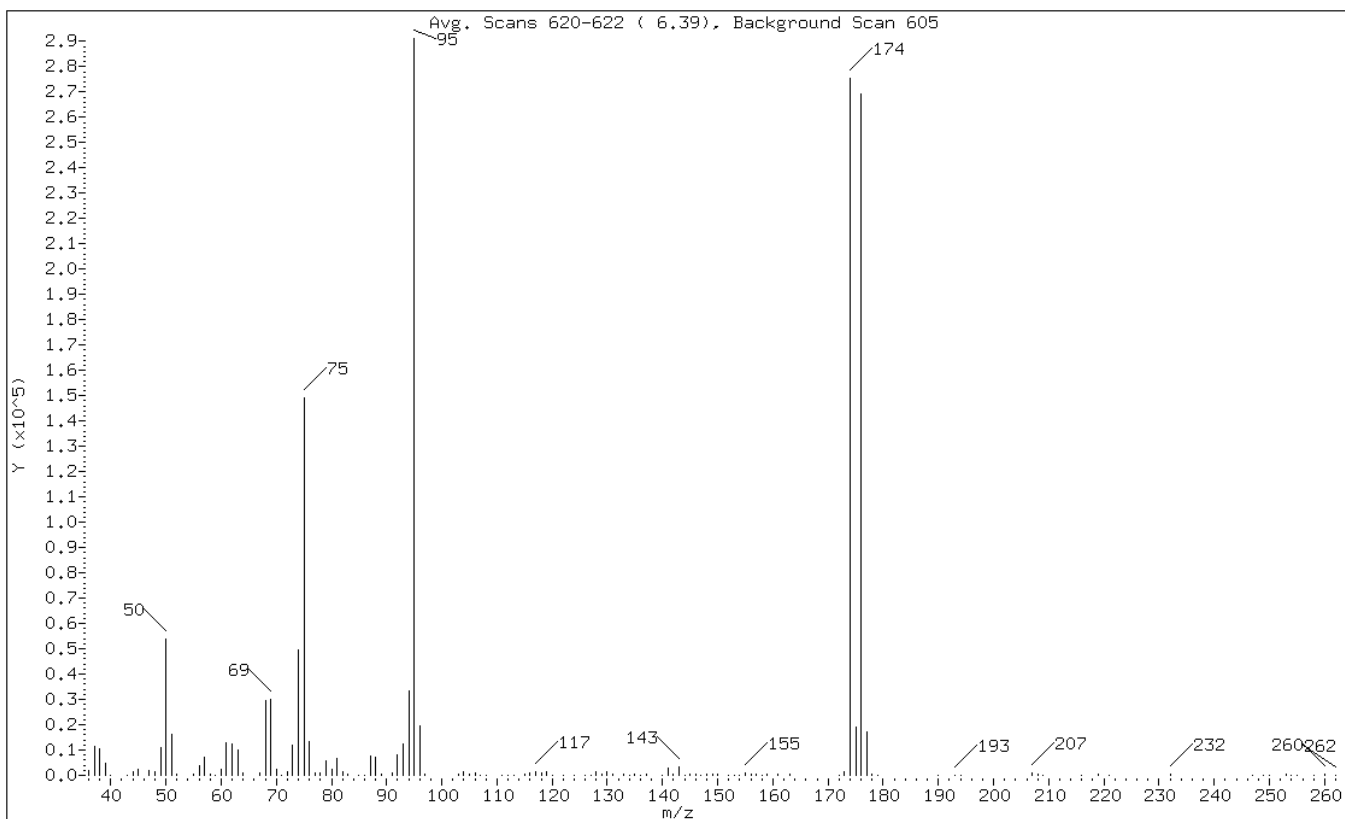
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
6.394	6.760	-0.366	95	291178			100.00-	100.00	100.00
6.394	6.760	-0.366	50	53765			8.00-	40.00	18.46
6.394	6.760	-0.366	75	149248			30.00-	66.00	51.26
6.394	6.760	-0.366	96	19401			5.00-	9.00	6.66
6.394	6.760	-0.366	173	1447			0.00-	2.00	0.52
6.394	6.760	-0.366	174	275669			50.00-	120.00	94.67
6.394	6.760	-0.366	175	18978			4.00-	9.00	6.88
6.394	6.760	-0.366	176	269098			93.00-	101.00	97.62
6.394	6.760	-0.366	177	17174			5.00-	9.00	6.38

Data File: ckr001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 30-MAR-2012 14:51
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	18.46
75	30.00 - 66.00% of mass 95	51.26
96	5.00 - 9.00% of mass 95	6.66
173	Less than 2.00% of mass 174	0.50 (0.52)
174	50.00 - 120.00% of mass 95	94.67
175	4.00 - 9.00% of mass 174	6.52 (6.88)
176	93.00 - 101.00% of mass 174	92.42 (97.62)
177	5.00 - 9.00% of mass 176	5.90 (6.38)

Data File: ckr001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

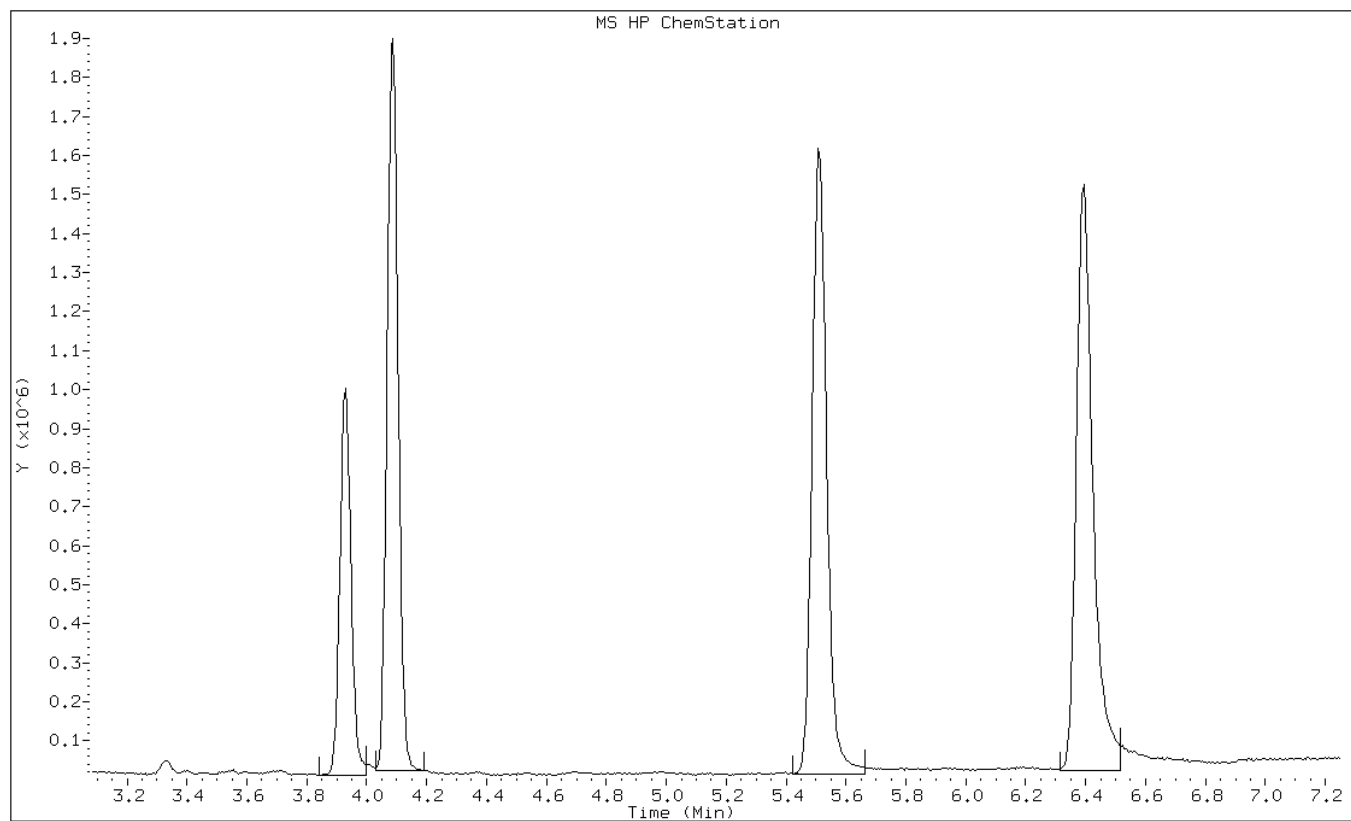
Date: 30-MAR-2012 14:51
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckrto15.b/ckr001.d
 Spectrum: Avg. Scans 620-622 (6.39), Background Scan 605
 Location of Maximum: 95.00
 Number of points: 129

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2018	76.00	13539	119.00	1397	159.00	357
37.00	11216	77.00	1050	120.00	155	161.00	425
38.00	10267	78.00	717	122.00	69	163.00	398
39.00	4715	79.00	5868	124.00	88	172.00	106
40.00	217	80.00	2171	126.00	90	173.00	1447
43.00	73	81.00	6524	127.00	78	174.00	275648
44.00	1236	82.00	1499	128.00	1196	175.00	18976
45.00	2292	83.00	453	129.00	453	176.00	269056
47.00	2013	85.00	230	130.00	1251	177.00	17168
48.00	1435	86.00	196	131.00	510	178.00	399
49.00	10744	87.00	7595	133.00	413	179.00	50
50.00	53760	88.00	7370	134.00	144	190.00	92
51.00	16288	89.00	413	135.00	438	193.00	136
52.00	664	91.00	1009	136.00	68	194.00	77
55.00	598	92.00	8108	137.00	478	207.00	862
56.00	3767	93.00	12339	140.00	231	208.00	369
57.00	7178	94.00	33400	141.00	2694	209.00	50
58.00	349	95.00	291136	142.00	375	216.00	74
59.00	148	96.00	19400	143.00	3138	219.00	364
60.00	2275	97.00	602	144.00	99	221.00	71
61.00	12750	103.00	304	145.00	363	232.00	245
62.00	12429	104.00	1259	146.00	645	247.00	99
63.00	9962	105.00	503	147.00	19	249.00	27
64.00	814	106.00	1034	148.00	713	250.00	68
67.00	742	107.00	231	149.00	516	253.00	597
68.00	29336	108.00	222	150.00	400	254.00	155
69.00	30112	111.00	94	152.00	89	255.00	85
70.00	2458	112.00	77	153.00	212	258.00	88
71.00	89	113.00	79	154.00	154	260.00	638
72.00	1403	115.00	535	155.00	891	262.00	72
73.00	12097	116.00	965	156.00	267		
74.00	49536	117.00	1452	157.00	647		
75.00	149248	118.00	1086	158.00	68		

Data File: ckr001.d
Client ID: BFB
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 30-MAR-2012 14:51
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckrjto15.b/ckrj001.d
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 12-APR-2012 10:45
 Operator : pad Inst ID: C.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/C.i/Csvr.p/ckrjto15.b/bfbto15.m
 Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

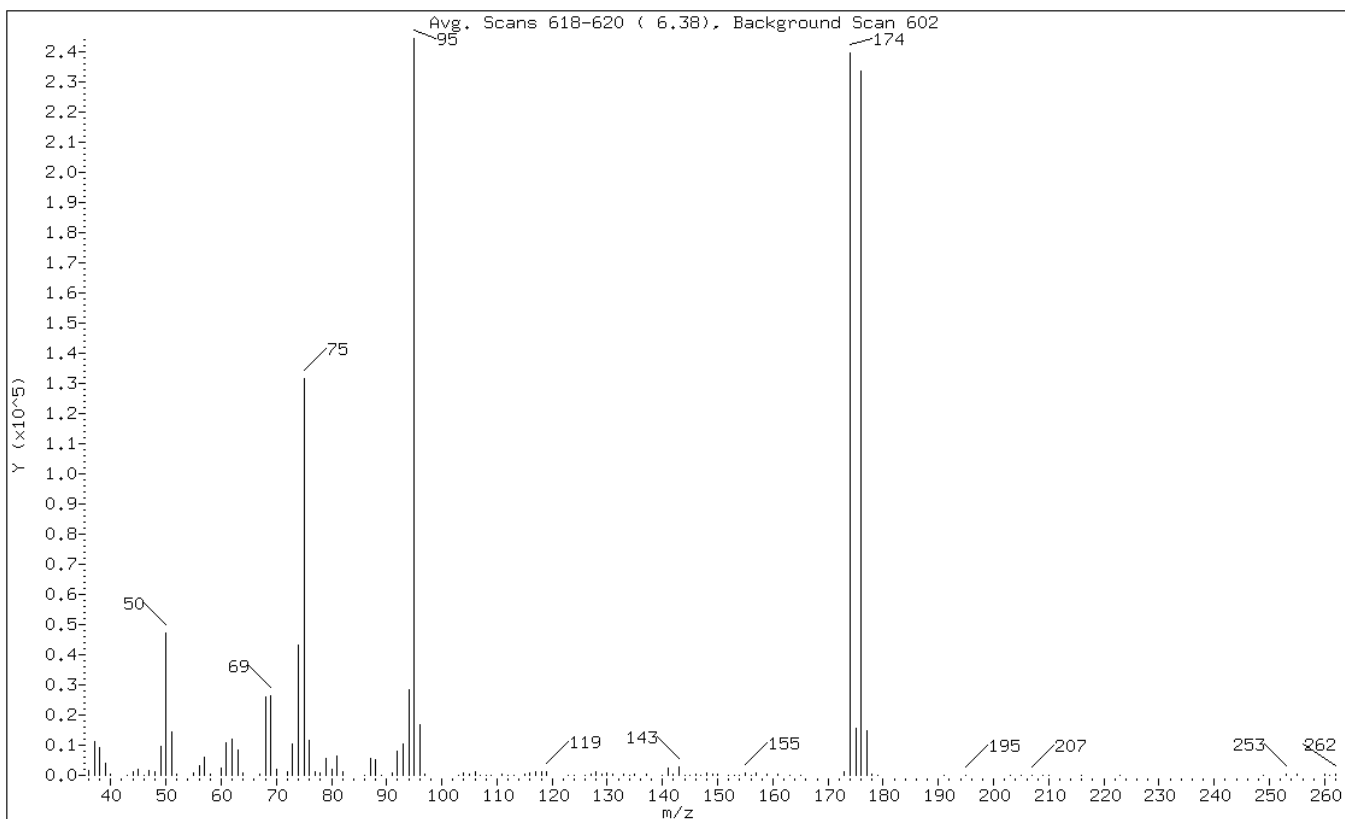
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
6.383	6.760	-0.377	95	244224			100.00-	100.00	100.00
6.383	6.760	-0.377	50	47296			8.00-	40.00	19.37
6.383	6.760	-0.377	75	131447			30.00-	66.00	53.82
6.383	6.760	-0.377	96	16983			5.00-	9.00	6.95
6.383	6.760	-0.377	173	1244			0.00-	2.00	0.52
6.383	6.760	-0.377	174	239509			50.00-	120.00	98.07
6.383	6.760	-0.377	175	15706			4.00-	9.00	6.56
6.383	6.760	-0.377	176	233642			93.00-	101.00	97.55
6.383	6.760	-0.377	177	14771			5.00-	9.00	6.32

Data File: ckrj001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 12-APR-2012 10:45
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.37
75	30.00 - 66.00% of mass 95	53.82
96	5.00 - 9.00% of mass 95	6.95
173	Less than 2.00% of mass 174	0.51 (0.52)
174	50.00 - 120.00% of mass 95	98.07
175	4.00 - 9.00% of mass 174	6.43 (6.56)
176	93.00 - 101.00% of mass 174	95.67 (97.55)
177	5.00 - 9.00% of mass 176	6.05 (6.32)

Data File: ckrj001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

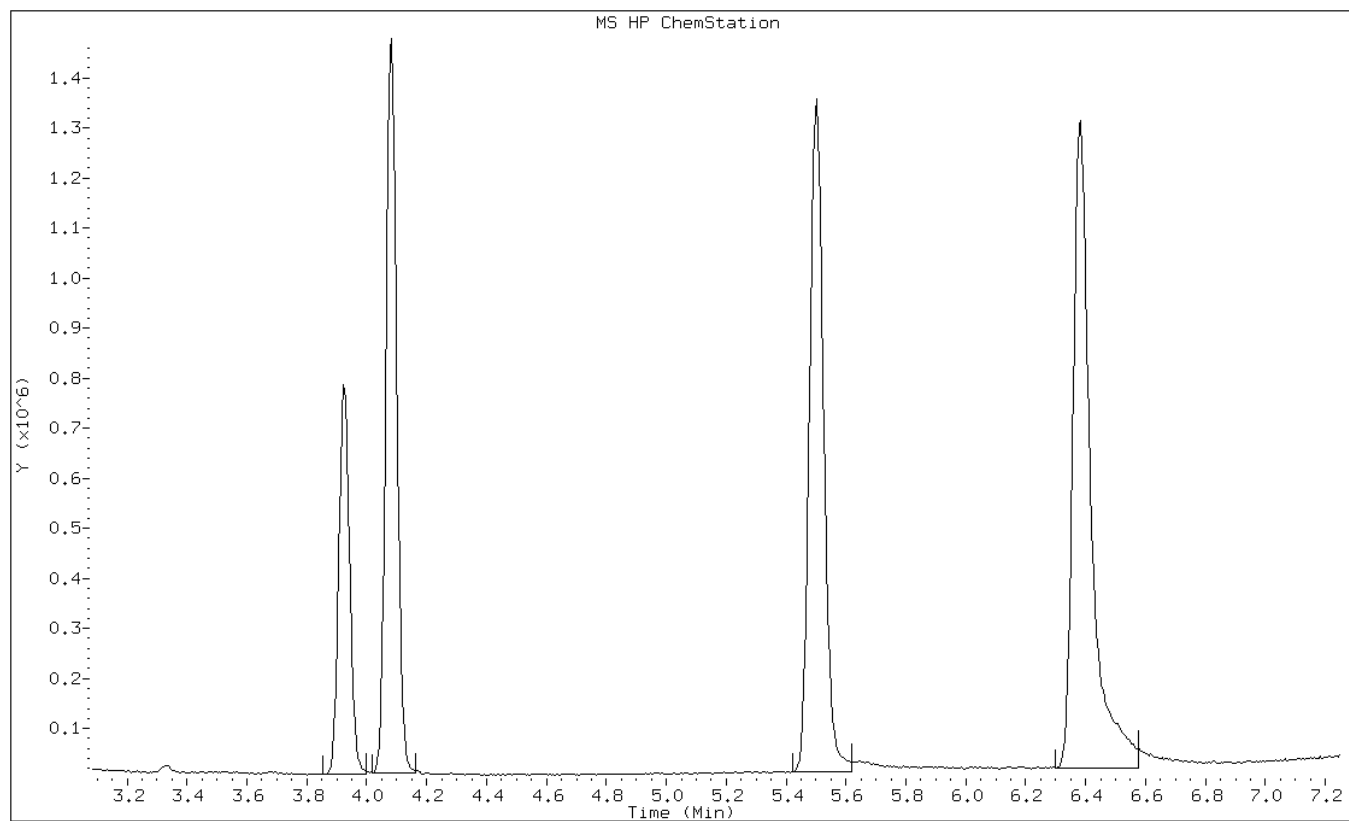
Date: 12-APR-2012 10:45
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckrjto15.b/ckrj001.d
 Spectrum: Avg. Scans 618-620 (6.38), Background Scan 602
 Location of Maximum: 95.00
 Number of points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1791	75.00	131392	117.00	1214	157.00	638
37.00	11327	76.00	11456	118.00	1089	159.00	318
38.00	9217	77.00	1146	119.00	1307	161.00	510
39.00	3918	78.00	648	123.00	78	163.00	117
40.00	411	79.00	5509	124.00	177	165.00	78
43.00	93	80.00	1944	126.00	179	173.00	1244
44.00	1175	81.00	6269	127.00	206	174.00	239488
45.00	1951	82.00	1155	128.00	1093	175.00	15706
46.00	68	86.00	72	129.00	443	176.00	233600
47.00	1510	87.00	5467	130.00	959	177.00	14771
48.00	1329	88.00	5318	131.00	530	178.00	501
49.00	9746	89.00	184	133.00	221	179.00	4
50.00	47296	91.00	738	134.00	77	191.00	17
51.00	14360	92.00	7921	135.00	377	195.00	139
52.00	562	93.00	10279	137.00	532	203.00	69
55.00	722	94.00	28248	140.00	106	205.00	71
56.00	3315	95.00	244224	141.00	2577	207.00	154
57.00	6084	96.00	16976	142.00	378	209.00	23
58.00	276	97.00	574	143.00	2986	210.00	83
60.00	2300	103.00	51	144.00	143	216.00	98
61.00	10900	104.00	933	145.00	173	223.00	80
62.00	11892	105.00	417	146.00	455	249.00	19
63.00	8535	106.00	1010	147.00	162	253.00	376
64.00	744	107.00	168	148.00	789	255.00	315
67.00	529	108.00	89	149.00	338	260.00	373
68.00	26048	109.00	70	150.00	273	261.00	137
69.00	26448	111.00	223	152.00	105	262.00	242
70.00	2162	112.00	96	153.00	122		
72.00	1265	113.00	177	154.00	182		
73.00	10411	115.00	502	155.00	670		
74.00	43232	116.00	871	156.00	81		

Data File: ckrj001.d
Client ID: BFB
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 12-APR-2012 10:45
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



TestAmerica Burlington

Data file : /chem/C.i/Csvr.p/ckrkto15.b/ckrk001.d
 Lab Smp Id: BFB Client Smp ID: BFB
 Inj Date : 13-APR-2012 10:49
 Operator : pad Inst ID: C.i
 Smp Info : BFB
 Misc Info :
 Comment :
 Method : /chem/C.i/Csvr.p/ckrkto15.b/bfbto15.m
 Meth Date : 08-Aug-2011 11:21 jd1 Quant Type: ESTD
 Cal Date : Cal File:
 Als bottle: 1 QC Sample: BFB
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: all.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf * Vf * CpndVariable

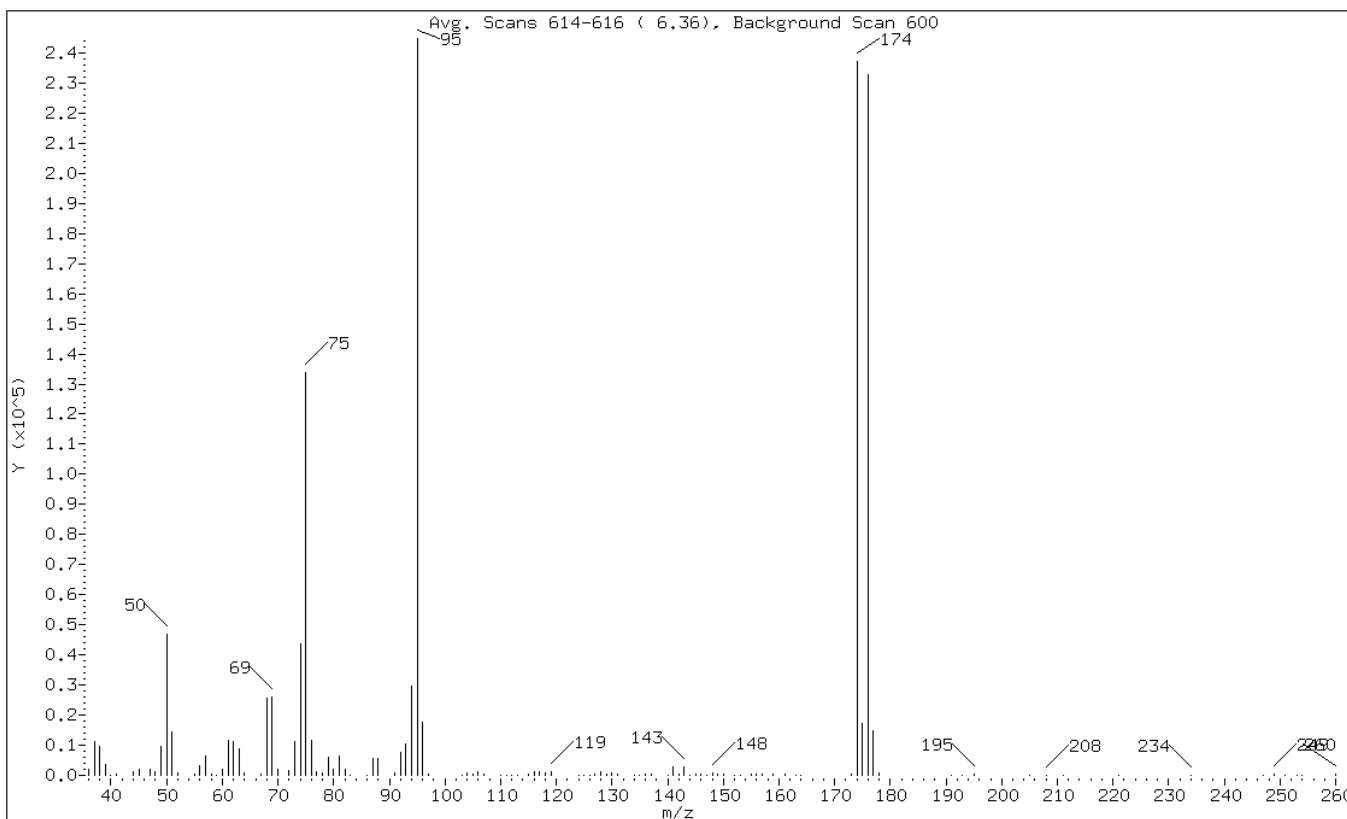
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vf	1.00000	Volumetric correction factor

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL					
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET	RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
\$ 1 bfb					CAS #: 460-00-4				
6.362	6.760	-0.398	95	244821			100.00-	100.00	100.00
6.362	6.760	-0.398	50	47018			8.00-	40.00	19.21
6.362	6.760	-0.398	75	133711			30.00-	66.00	54.62
6.362	6.760	-0.398	96	17526			5.00-	9.00	7.16
6.362	6.760	-0.398	173	353			0.00-	2.00	0.15
6.362	6.760	-0.398	174	237162			50.00-	120.00	96.87
6.362	6.760	-0.398	175	17398			4.00-	9.00	7.34
6.362	6.760	-0.398	176	232640			93.00-	101.00	98.09
6.362	6.760	-0.398	177	14984			5.00-	9.00	6.44

Data File: ckrk001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB
 1 bfb

Date: 13-APR-2012 10:49
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	19.21
75	30.00 - 66.00% of mass 95	54.62
96	5.00 - 9.00% of mass 95	7.16
173	Less than 2.00% of mass 174	0.14 (0.15)
174	50.00 - 120.00% of mass 95	96.87
175	4.00 - 9.00% of mass 174	7.11 (7.34)
176	93.00 - 101.00% of mass 174	95.02 (98.09)
177	5.00 - 9.00% of mass 176	6.12 (6.44)

Data File: ckrk001.d
 Client ID: BFB
 Operator: pad
 Column Type: Capillary
 Stationary Phase: RTX-624
 Sample Info: BFB
 Lab Sample ID: BFB

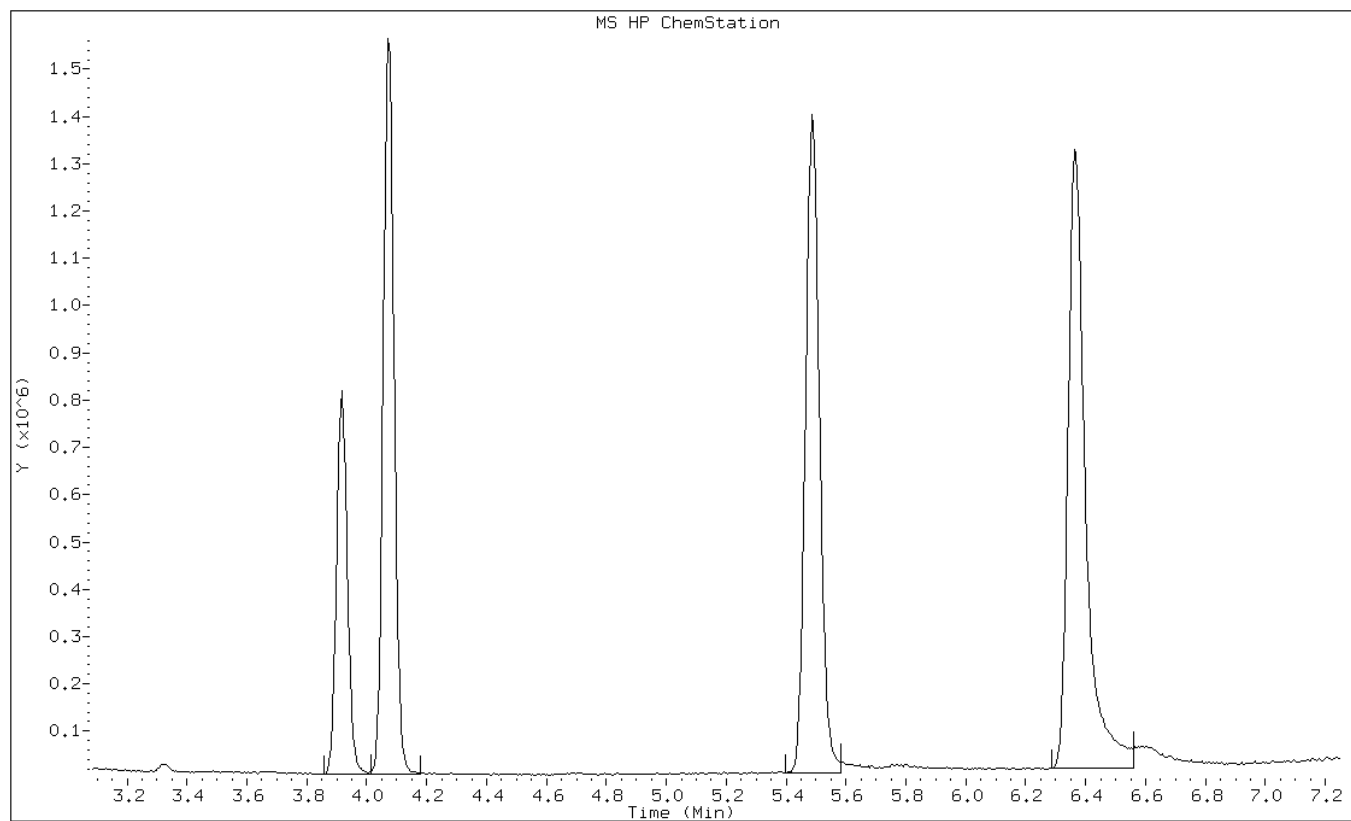
Date: 13-APR-2012 10:49
 Instrument: C.i
 Inj Vol: 0.0 (ul)
 Diameter: 0.32 (mm)

Data File: /chem/C.i/Csvr.p/ckrkto15.b/ckrk001.d
 Spectrum: Avg. Scans 614-616 (6.36), Background Scan 600
 Location of Maximum: 95.00
 Number of points: 116

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1990	74.00	43824	116.00	1003	156.00	202
37.00	11087	75.00	133696	117.00	1112	157.00	548
38.00	9607	76.00	11770	118.00	851	159.00	414
39.00	3444	77.00	1137	119.00	1173	161.00	452
40.00	81	78.00	680	124.00	75	163.00	154
41.00	206	79.00	5988	125.00	146	164.00	156
44.00	1237	80.00	2004	126.00	112	173.00	353
45.00	2120	81.00	6461	127.00	248	174.00	237120
47.00	2015	82.00	1830	128.00	1089	175.00	17392
48.00	1240	83.00	105	129.00	372	176.00	232640
49.00	9788	86.00	92	130.00	835	177.00	14984
50.00	47016	87.00	5737	131.00	451	178.00	650
51.00	14348	88.00	5711	134.00	66	191.00	173
52.00	748	91.00	978	135.00	147	193.00	61
55.00	533	92.00	7588	136.00	206	195.00	257
56.00	3276	93.00	10499	137.00	535	205.00	82
57.00	6564	94.00	29568	140.00	165	208.00	85
58.00	295	95.00	244800	141.00	2712	211.00	73
59.00	70	96.00	17520	142.00	264	221.00	68
60.00	2115	97.00	541	143.00	2985	234.00	77
61.00	11443	103.00	93	144.00	97	247.00	84
62.00	11340	104.00	968	145.00	332	249.00	317
63.00	8798	105.00	444	146.00	529	251.00	175
64.00	660	106.00	1069	147.00	138	253.00	31
67.00	512	107.00	240	148.00	706	254.00	55
68.00	25584	110.00	66	149.00	364	260.00	420
69.00	26232	111.00	174	150.00	347		
70.00	1816	112.00	194	152.00	75		
72.00	1416	113.00	166	153.00	82		
73.00	11042	115.00	335	155.00	589		

Data File: ckrk001.d
Client ID: BFB
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: BFB
Lab Sample ID: BFB

Date: 13-APR-2012 10:49
Instrument: C.i
Inj Vol: 0.0 (ul)
Diameter: 0.32 (mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-36845/4

Matrix: Air Lab File ID: ckrj004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/12/2012 13:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.20
74-87-3	Chloromethane	50.49	ND		0.50	0.50
75-01-4	Vinyl chloride	62.50	ND		0.20	0.20
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.20
74-83-9	Bromomethane	94.94	ND		0.20	0.20
75-00-3	Chloroethane	64.52	ND		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	ND		0.20	0.20
76-13-1	Freon TF	187.38	ND		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.20
67-64-1	Acetone	58.08	ND		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	ND		5.0	5.0
75-15-0	Carbon disulfide	76.14	ND		0.50	0.50
107-05-1	3-Chloropropene	76.53	ND		0.50	0.50
75-09-2	Methylene Chloride	84.93	ND		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	ND		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.20
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	ND		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.20	0.20
67-66-3	Chloroform	119.38	ND		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	ND		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.20
110-82-7	Cyclohexane	84.16	ND		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	ND		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.20
71-43-2	Benzene	78.11	ND		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.20
142-82-5	n-Heptane	100.21	ND		0.20	0.20
79-01-6	Trichloroethene	131.39	ND		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-36845/4

Matrix: Air Lab File ID: ckrj004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/12/2012 13:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		5.0	5.0
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.50
108-88-3	Toluene	92.14	ND		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.20
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.50
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.20
108-90-7	Chlorobenzene	112.30	ND		0.20	0.20
100-41-4	Ethylbenzene	106.17	ND		0.20	0.20
179601-23-1	m,p-Xylene	106.17	ND		0.50	0.50
95-47-6	Xylene, o-	106.17	ND		0.20	0.20
1330-20-7	Xylene (total)	106.17	ND		0.20	0.20
100-42-5	Styrene	104.15	ND		0.20	0.20
75-25-2	Bromoform	252.75	ND		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-36845/4

Matrix: Air Lab File ID: ckrj004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/12/2012 13:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		2.5	2.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
74-87-3	Chloromethane	50.49	ND		1.0	1.0
75-01-4	Vinyl chloride	62.50	ND		0.51	0.51
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.44
74-83-9	Bromomethane	94.94	ND		0.78	0.78
75-00-3	Chloroethane	64.52	ND		1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.87
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	1.1
76-13-1	Freon TF	187.38	ND		1.5	1.5
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.79
67-64-1	Acetone	58.08	ND		12	12
67-63-0	Isopropyl alcohol	60.10	ND		12	12
75-15-0	Carbon disulfide	76.14	ND		1.6	1.6
107-05-1	3-Chloropropene	76.53	ND		1.6	1.6
75-09-2	Methylene Chloride	84.93	ND		1.7	1.7
75-65-0	tert-Butyl alcohol	74.12	ND		15	15
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.79
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.81
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.79	0.79
67-66-3	Chloroform	119.38	ND		0.98	0.98
109-99-9	Tetrahydrofuran	72.11	ND		15	15
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	1.1
110-82-7	Cyclohexane	84.16	ND		0.69	0.69
56-23-5	Carbon tetrachloride	153.81	ND		1.3	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.93
71-43-2	Benzene	78.11	ND		0.64	0.64
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.81
142-82-5	n-Heptane	100.21	ND		0.82	0.82
79-01-6	Trichloroethene	131.39	ND		1.1	1.1
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-36845/4

Matrix: Air Lab File ID: ckrj004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/12/2012 13:17

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		18	18
75-27-4	Bromodichloromethane	163.83	ND		1.3	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.91
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	2.0
108-88-3	Toluene	92.14	ND		0.75	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.91
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	1.1
127-18-4	Tetrachloroethene	165.83	ND		1.4	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	2.0
124-48-1	Dibromochloromethane	208.29	ND		1.7	1.7
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	1.5
108-90-7	Chlorobenzene	112.30	ND		0.92	0.92
100-41-4	Ethylbenzene	106.17	ND		0.87	0.87
179601-23-1	m,p-Xylene	106.17	ND		2.2	2.2
95-47-6	Xylene, o-	106.17	ND		0.87	0.87
1330-20-7	Xylene (total)	106.17	ND		0.87	0.87
100-42-5	Styrene	104.15	ND		0.85	0.85
75-25-2	Bromoform	252.75	ND		2.1	2.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	1.4
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.98
95-49-8	2-Chlorotoluene	126.59	ND		1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.98
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	1.2
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	3.7
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	2.1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrjto15.b/ckrj004.d
Lab Smp Id: mb Client Smp ID: mb
Inj Date : 12-APR-2012 13:17
Operator : pad Inst ID: C.i
Smp Info : mb
Misc Info : 200,1, mb
Comment :
Method : /chem/C.i/Csvr.p/ckrjto15.b/to15v5.m
Meth Date : 13-Apr-2012 11:17 pd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS						CONCENTRATIONS	
		RT	EXP RT	REL RT	RESPONSE		ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41							
2 Dichlorodifluoromethane	85							
3 Chlorodifluoromethane	51							
4 1,2-Dichloro-1,1,2,2-tetraflu	85							
5 Chloromethane	50							
6 Butane	43							
7 Vinyl chloride	62							
8 1,3-Butadiene	54							
9 Bromomethane	94							
10 Chloroethane	64							
11 2-Methylbutane	43							
12 Vinyl bromide	106							
13 Trichlorofluoromethane	101							
14 Pentane	43							

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	11.066	11.072	(1.000)		267970	10.0000		(Q)
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)		1533738	10.0000		
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

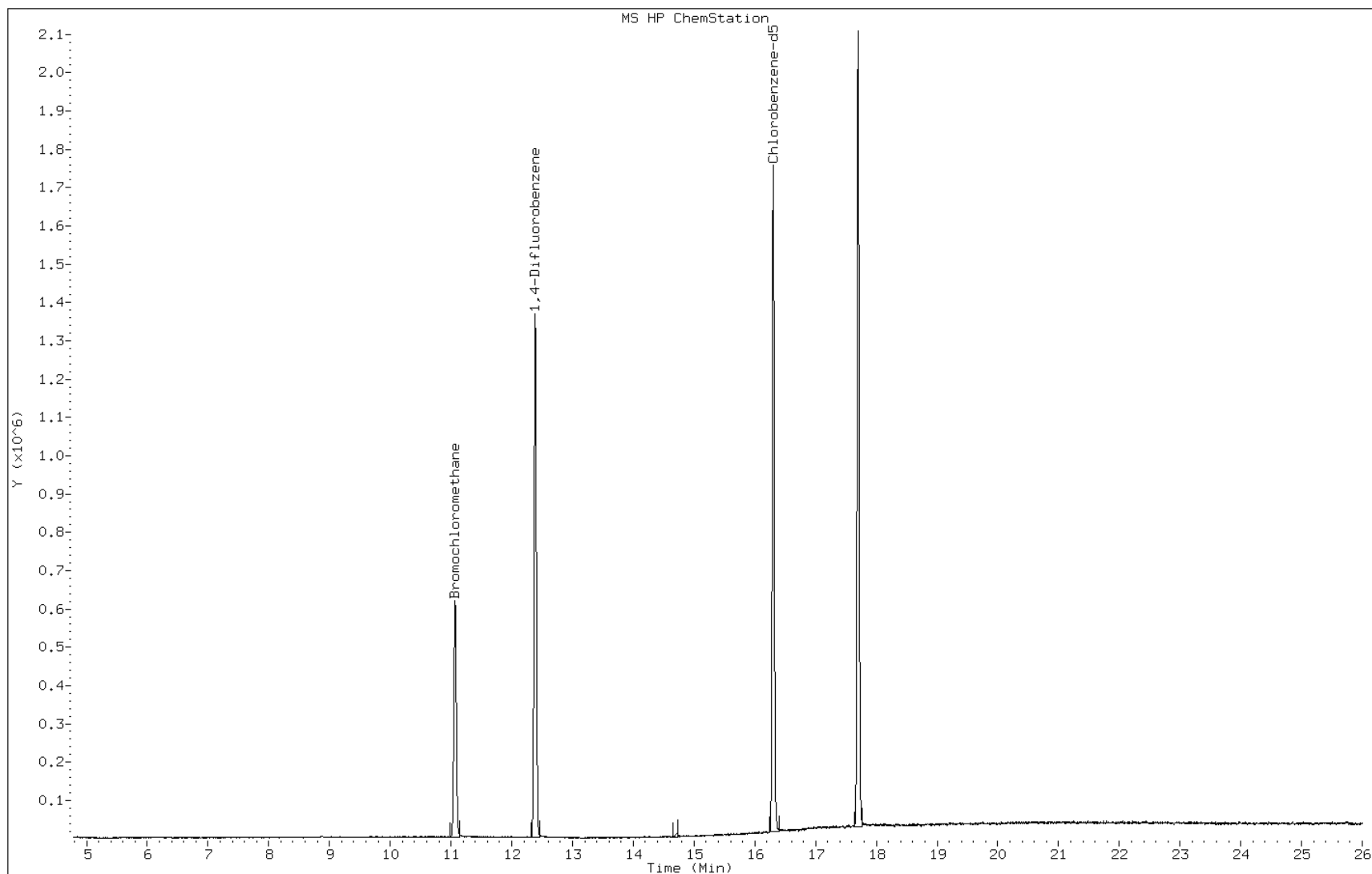
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	16.307	16.313	(1.000)		1352043		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
67 n-Nonane	57						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		
72 Styrene	104						Compound Not Detected.		
73 Bromoform	173						Compound Not Detected.		
74 Isopropylbenzene	105						Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83						Compound Not Detected.		
76 n-Propylbenzene	91						Compound Not Detected.		
77 1,2,3-Trichloropropane	75						Compound Not Detected.		
78 n-Decane	57						Compound Not Detected.		
79 4-Ethyltoluene	105						Compound Not Detected.		
80 2-Chlorotoluene	91						Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105						Compound Not Detected.		
82 Alpha Methyl Styrene	118						Compound Not Detected.		
83 tert-butylbenzene	119						Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105						Compound Not Detected.		
85 sec-Butylbenzene	105						Compound Not Detected.		
86 4-Isopropyltoluene	119						Compound Not Detected.		
87 1,3-Dichlorobenzene	146						Compound Not Detected.		
88 1,4-Dichlorobenzene	146						Compound Not Detected.		
89 Benzyl chloride	91						Compound Not Detected.		
90 Undecane	57						Compound Not Detected.		
91 n-Butylbenzene	91						Compound Not Detected.		
92 1,2-Dichlorobenzene	146						Compound Not Detected.		
93 Dodecane	57						Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180						Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225						Compound Not Detected.		
96 Naphthalene	128						Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180						Compound Not Detected.		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: ckrj004.d
Client ID: mb
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 12-APR-2012 13:17
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-36891/4
 Matrix: Air Lab File ID: ckrk004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2012 13:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 36891 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.20	0.20
74-87-3	Chloromethane	50.49	ND		0.50	0.50
75-01-4	Vinyl chloride	62.50	ND		0.20	0.20
106-99-0	1,3-Butadiene	54.09	ND		0.20	0.20
74-83-9	Bromomethane	94.94	ND		0.20	0.20
75-00-3	Chloroethane	64.52	ND		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	ND		0.20	0.20
76-13-1	Freon TF	187.38	ND		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	ND		0.20	0.20
67-64-1	Acetone	58.08	ND		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	ND		5.0	5.0
75-15-0	Carbon disulfide	76.14	ND		0.50	0.50
107-05-1	3-Chloropropene	76.53	ND		0.50	0.50
75-09-2	Methylene Chloride	84.93	ND		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	ND		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.20	0.20
110-54-3	n-Hexane	86.17	ND		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	ND		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	ND		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.20	0.20
67-66-3	Chloroform	119.38	ND		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	ND		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.20	0.20
110-82-7	Cyclohexane	84.16	ND		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	ND		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.20
71-43-2	Benzene	78.11	ND		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	ND		0.20	0.20
142-82-5	n-Heptane	100.21	ND		0.20	0.20
79-01-6	Trichloroethene	131.39	ND		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	ND		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-36891/4

Matrix: Air Lab File ID: ckrk004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2012 13:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		5.0	5.0
75-27-4	Bromodichloromethane	163.83	ND		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	ND		0.50	0.50
108-88-3	Toluene	92.14	ND		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.20	0.20
127-18-4	Tetrachloroethene	165.83	ND		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		0.50	0.50
124-48-1	Dibromochloromethane	208.29	ND		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	ND		0.20	0.20
108-90-7	Chlorobenzene	112.30	ND		0.20	0.20
100-41-4	Ethylbenzene	106.17	ND		0.20	0.20
179601-23-1	m,p-Xylene	106.17	ND		0.50	0.50
95-47-6	Xylene, o-	106.17	ND		0.20	0.20
1330-20-7	Xylene (total)	106.17	ND		0.20	0.20
100-42-5	Styrene	104.15	ND		0.20	0.20
75-25-2	Bromoform	252.75	ND		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	ND		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	ND		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	ND		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 200-36891/4
 Matrix: Air Lab File ID: ckrk004.d
 Analysis Method: TO-15 Date Collected: _____
 Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2012 13:25
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 36891 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	ND		2.5	2.5
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.4	1.4
74-87-3	Chloromethane	50.49	ND		1.0	1.0
75-01-4	Vinyl chloride	62.50	ND		0.51	0.51
106-99-0	1,3-Butadiene	54.09	ND		0.44	0.44
74-83-9	Bromomethane	94.94	ND		0.78	0.78
75-00-3	Chloroethane	64.52	ND		1.3	1.3
593-60-2	Bromoethene (Vinyl Bromide)	106.96	ND		0.87	0.87
75-69-4	Trichlorofluoromethane	137.37	ND		1.1	1.1
76-13-1	Freon TF	187.38	ND		1.5	1.5
75-35-4	1,1-Dichloroethene	96.94	ND		0.79	0.79
67-64-1	Acetone	58.08	ND		12	12
67-63-0	Isopropyl alcohol	60.10	ND		12	12
75-15-0	Carbon disulfide	76.14	ND		1.6	1.6
107-05-1	3-Chloropropene	76.53	ND		1.6	1.6
75-09-2	Methylene Chloride	84.93	ND		1.7	1.7
75-65-0	tert-Butyl alcohol	74.12	ND		15	15
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.72	0.72
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.79	0.79
110-54-3	n-Hexane	86.17	ND		0.70	0.70
75-34-3	1,1-Dichloroethane	98.96	ND		0.81	0.81
78-93-3	Methyl Ethyl Ketone	72.11	ND		1.5	1.5
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.79	0.79
540-59-0	1,2-Dichloroethene, Total	96.94	ND		0.79	0.79
67-66-3	Chloroform	119.38	ND		0.98	0.98
109-99-9	Tetrahydrofuran	72.11	ND		15	15
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	1.1
110-82-7	Cyclohexane	84.16	ND		0.69	0.69
56-23-5	Carbon tetrachloride	153.81	ND		1.3	1.3
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.93
71-43-2	Benzene	78.11	ND		0.64	0.64
107-06-2	1,2-Dichloroethane	98.96	ND		0.81	0.81
142-82-5	n-Heptane	100.21	ND		0.82	0.82
79-01-6	Trichloroethene	131.39	ND		1.1	1.1
78-87-5	1,2-Dichloropropane	112.99	ND		0.92	0.92

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: MB 200-36891/4

Matrix: Air Lab File ID: ckrk004.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2012 13:25

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	ND		18	18
75-27-4	Bromodichloromethane	163.83	ND		1.3	1.3
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.91	0.91
108-10-1	methyl isobutyl ketone	100.16	ND		2.0	2.0
108-88-3	Toluene	92.14	ND		0.75	0.75
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.91	0.91
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	1.1
127-18-4	Tetrachloroethene	165.83	ND		1.4	1.4
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	ND		2.0	2.0
124-48-1	Dibromochloromethane	208.29	ND		1.7	1.7
106-93-4	1,2-Dibromoethane	187.87	ND		1.5	1.5
108-90-7	Chlorobenzene	112.30	ND		0.92	0.92
100-41-4	Ethylbenzene	106.17	ND		0.87	0.87
179601-23-1	m,p-Xylene	106.17	ND		2.2	2.2
95-47-6	Xylene, o-	106.17	ND		0.87	0.87
1330-20-7	Xylene (total)	106.17	ND		0.87	0.87
100-42-5	Styrene	104.15	ND		0.85	0.85
75-25-2	Bromoform	252.75	ND		2.1	2.1
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.4	1.4
622-96-8	4-Ethyltoluene	120.20	ND		0.98	0.98
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.98	0.98
95-49-8	2-Chlorotoluene	126.59	ND		1.0	1.0
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.98	0.98
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.2	1.2
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.2	1.2
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.2	1.2
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		3.7	3.7
87-68-3	Hexachlorobutadiene	260.76	ND		2.1	2.1

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrkto15.b/ckrk004.d
 Lab Smp Id: mb Client Smp ID: mb
 Inj Date : 13-APR-2012 13:25
 Operator : pad Inst ID: C.i
 Smp Info : mb
 Misc Info : 200,1, mb
 Comment :
 Method : /chem/C.i/Csvr.p/ckrkto15.b/to15v5.m
 Meth Date : 14-Apr-2012 18:03 wrd Quant Type: ISTD
 Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
 Als bottle: 1 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG						CONCENTRATIONS	
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	=====	=====	==	=====	=====	=====	=====	=====
1 Propene	41					Compound Not Detected.		
2 Dichlorodifluoromethane	85					Compound Not Detected.		
3 Chlorodifluoromethane	51					Compound Not Detected.		
4 1,2-Dichloro-1,1,2,2-tetraflu	85					Compound Not Detected.		
5 Chloromethane	50					Compound Not Detected.		
6 Butane	43					Compound Not Detected.		
7 Vinyl chloride	62					Compound Not Detected.		
8 1,3-Butadiene	54					Compound Not Detected.		
9 Bromomethane	94					Compound Not Detected.		
10 Chloroethane	64					Compound Not Detected.		
11 2-Methylbutane	43					Compound Not Detected.		
12 Vinyl bromide	106					Compound Not Detected.		
13 Trichlorofluoromethane	101					Compound Not Detected.		
14 Pentane	43					Compound Not Detected.		

Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
15 Ethanol	45						Compound Not Detected.		
16 Ethyl ether	59						Compound Not Detected.		
17 1,1,2-Trichloro-1,2,2-trifluo	101						Compound Not Detected.		
18 Acrolein	56						Compound Not Detected.		
19 1,1-Dichloroethene	96						Compound Not Detected.		
20 Acetone	43						Compound Not Detected.		
21 Carbon disulfide	76						Compound Not Detected.		
22 Isopropanol	45						Compound Not Detected.		
23 Allyl chloride	41						Compound Not Detected.		
24 Acetonitrile	41						Compound Not Detected.		
25 Methylene chloride	49						Compound Not Detected.		
26 Tert-butyl alcohol	59						Compound Not Detected.		
27 Methyl tert-butyl ether	73						Compound Not Detected.		
28 1,2-Dichloroethene (trans)	61						Compound Not Detected.		
29 Acrylonitrile	53						Compound Not Detected.		
30 n-Hexane	57						Compound Not Detected.		
31 1,1-Dichloroethane	63						Compound Not Detected.		
32 Vinyl acetate	43						Compound Not Detected.		
M 33 1,2-Dichloroethene,Total	61						Compound Not Detected.		
34 1,2-Dichloroethene (cis)	96						Compound Not Detected.		
35 Ethyl acetate	88						Compound Not Detected.		
36 Methyl Ethyl Ketone	72						Compound Not Detected.		
* 37 Bromochloromethane	128	11.067	11.072	(1.000)		254984	10.0000		(Q)
38 Tetrahydrofuran	42						Compound Not Detected.		
39 Chloroform	83						Compound Not Detected.		
40 Cyclohexane	84						Compound Not Detected.		
41 1,1,1-Trichloroethane	97						Compound Not Detected.		
42 Carbon tetrachloride	117						Compound Not Detected.		
43 2,2,4-Trimethylpentane	57						Compound Not Detected.		
44 Benzene	78						Compound Not Detected.		
45 1,2-Dichloroethane	62						Compound Not Detected.		
46 n-Heptane	43						Compound Not Detected.		
* 47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)		1460885	10.0000		
48 n-Butanol	56						Compound Not Detected.		
49 Trichloroethene	95						Compound Not Detected.		
50 1,2-Dichloropropane	63						Compound Not Detected.		
51 Methyl methacrylate	69						Compound Not Detected.		
52 Dibromomethane	174						Compound Not Detected.		
53 1,4-Dioxane	88						Compound Not Detected.		
54 Bromodichloromethane	83						Compound Not Detected.		
55 1,3-Dichloropropene (cis)	75						Compound Not Detected.		
56 Methyl isobutyl ketone	43						Compound Not Detected.		
57 n-Octane	43						Compound Not Detected.		
58 Toluene	92						Compound Not Detected.		
59 1,3-Dichloropropene (trans)	75						Compound Not Detected.		
60 1,1,2-Trichloroethane	83						Compound Not Detected.		
61 Tetrachloroethene	166						Compound Not Detected.		

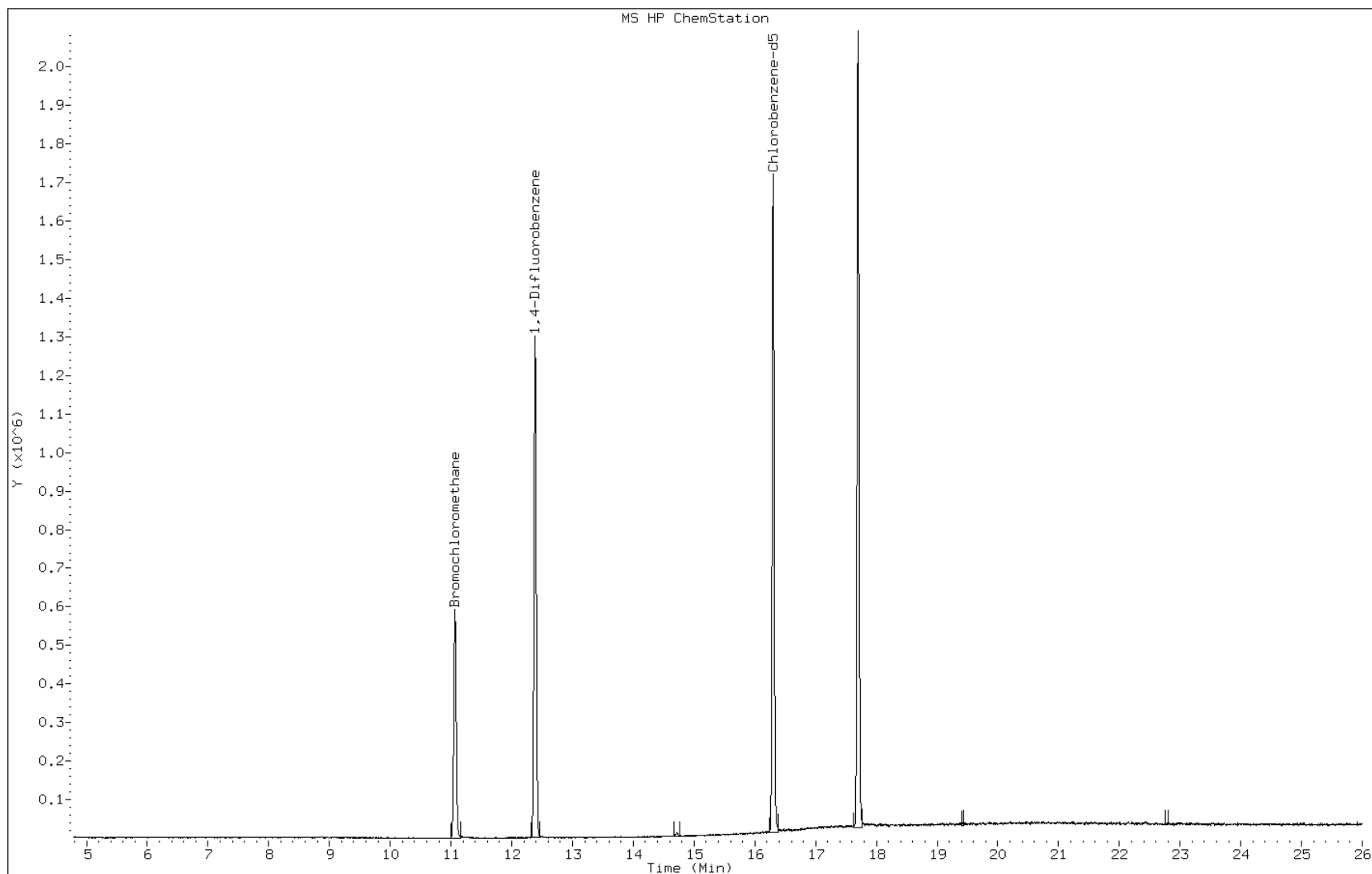
Compounds	QUANT SIG	RT	EXP	RT	REL	RT	RESPONSE	CONCENTRATIONS	
								ON-COLUMN	FINAL
	MASS							(ppb v/v)	(ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====	=====	=====
62 2-Hexanone	43						Compound Not Detected.		
63 Dibromochloromethane	129						Compound Not Detected.		
64 1,2-Dibromoethane	107						Compound Not Detected.		
* 65 Chlorobenzene-d5	117	16.302	16.313	(1.000)		1304016		10.0000	
66 Chlorobenzene	112						Compound Not Detected.		
67 n-Nonane	57						Compound Not Detected.		
68 Ethylbenzene	91						Compound Not Detected.		
69 Xylene (m,p)	106						Compound Not Detected.		
M 70 Xylenes, Total	106						Compound Not Detected.		
71 Xylene (o)	106						Compound Not Detected.		
72 Styrene	104						Compound Not Detected.		
73 Bromoform	173						Compound Not Detected.		
74 Isopropylbenzene	105						Compound Not Detected.		
75 1,1,2,2-Tetrachloroethane	83						Compound Not Detected.		
76 n-Propylbenzene	91						Compound Not Detected.		
77 1,2,3-Trichloropropane	75						Compound Not Detected.		
78 n-Decane	57						Compound Not Detected.		
79 4-Ethyltoluene	105						Compound Not Detected.		
80 2-Chlorotoluene	91						Compound Not Detected.		
81 1,3,5-Trimethylbenzene	105						Compound Not Detected.		
82 Alpha Methyl Styrene	118						Compound Not Detected.		
83 tert-butylbenzene	119						Compound Not Detected.		
84 1,2,4-Trimethylbenzene	105						Compound Not Detected.		
85 sec-Butylbenzene	105						Compound Not Detected.		
86 4-Isopropyltoluene	119						Compound Not Detected.		
87 1,3-Dichlorobenzene	146						Compound Not Detected.		
88 1,4-Dichlorobenzene	146						Compound Not Detected.		
89 Benzyl chloride	91						Compound Not Detected.		
90 Undecane	57						Compound Not Detected.		
91 n-Butylbenzene	91						Compound Not Detected.		
92 1,2-Dichlorobenzene	146						Compound Not Detected.		
93 Dodecane	57						Compound Not Detected.		
94 1,2,4-Trichlorobenzene	180						Compound Not Detected.		
95 1,3-Hexachlorobutadiene	225						Compound Not Detected.		
96 Naphthalene	128						Compound Not Detected.		
97 1,2,3-Trichlorobenzene	180						Compound Not Detected.		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: ckrk004.d
Client ID: mb
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: mb
Lab Sample ID: mb

Date: 13-APR-2012 13:25
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-36845/3

Matrix: Air Lab File ID: ckrj003.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/12/2012 12:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	10.5		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	9.81		0.20	0.20
74-87-3	Chloromethane	50.49	9.58		0.50	0.50
75-01-4	Vinyl chloride	62.50	9.69		0.20	0.20
106-99-0	1,3-Butadiene	54.09	9.90		0.20	0.20
74-83-9	Bromomethane	94.94	9.32		0.20	0.20
75-00-3	Chloroethane	64.52	9.29		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.1		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	10.1		0.20	0.20
76-13-1	Freon TF	187.38	10.7		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	10.3		0.20	0.20
67-64-1	Acetone	58.08	12.0		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	8.67		5.0	5.0
75-15-0	Carbon disulfide	76.14	9.69		0.50	0.50
107-05-1	3-Chloropropene	76.53	9.96		0.50	0.50
75-09-2	Methylene Chloride	84.93	10.1		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	10.1		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	9.98		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	9.95		0.20	0.20
110-54-3	n-Hexane	86.17	9.62		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	9.96		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	10.1		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	9.78		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	19.7		0.20	0.20
67-66-3	Chloroform	119.38	10.1		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	9.21		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	10.2		0.20	0.20
110-82-7	Cyclohexane	84.16	9.66		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	10.0		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	9.61		0.20	0.20
71-43-2	Benzene	78.11	9.50		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	10.3		0.20	0.20
142-82-5	n-Heptane	100.21	9.60		0.20	0.20
79-01-6	Trichloroethene	131.39	9.31		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	9.23		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-36845/3

Matrix: Air Lab File ID: ckrj003.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/12/2012 12:27

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36845 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	7.01		5.0	5.0
75-27-4	Bromodichloromethane	163.83	10.6		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.50		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	9.92		0.50	0.50
108-88-3	Toluene	92.14	9.38		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.64		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.10		0.20	0.20
127-18-4	Tetrachloroethene	165.83	9.93		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	9.77		0.50	0.50
124-48-1	Dibromochloromethane	208.29	10.8		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	9.64		0.20	0.20
108-90-7	Chlorobenzene	112.30	9.43		0.20	0.20
100-41-4	Ethylbenzene	106.17	9.56		0.20	0.20
179601-23-1	m,p-Xylene	106.17	18.9		0.50	0.50
95-47-6	Xylene, o-	106.17	9.28		0.20	0.20
1330-20-7	Xylene (total)	106.17	28.1		0.20	0.20
100-42-5	Styrene	104.15	9.58		0.20	0.20
75-25-2	Bromoform	252.75	10.8		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.05		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	10.1		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	9.72		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	9.75		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	9.48		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	9.27		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	9.43		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	9.23		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	9.12		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	9.55		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrjto15.b/ckrj003.d
 Lab Smp Id: lcs 313513 Client Smp ID: lcs 313513
 Inj Date : 12-APR-2012 12:27
 Operator : pad Inst ID: C.i
 Smp Info : lcs 313513
 Misc Info : 200,1, lcs
 Comment :
 Method : /chem/C.i/Csvr.p/ckrjto15.b/to15v5.m
 Meth Date : 13-Apr-2012 11:17 pd Quant Type: ISTD
 Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
 Als bottle: 9 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: allT015.sub
 Target Version: 3.50
 Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	CONCENTRATIONS						
		MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN	FINAL
							(ppb v/v)	(ppb v/v)
=====	====	==	=====	=====	=====	=====	=====	
1 Propene	41	4.993	4.972	(0.451)	162152	9.54406	9.5	
2 Dichlorodifluoromethane	85	5.073	5.057	(0.458)	850191	10.4817	10	
3 Chlorodifluoromethane	51	5.116	5.095	(0.462)	400493	10.1510	10	
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.361	5.345	(0.484)	746872	9.81492	9.8	
5 Chloromethane	50	5.516	5.511	(0.498)	187491	9.57502	9.6	
6 Butane	43	5.730	5.719	(0.518)	360166	9.51962	9.5	
7 Vinyl chloride	62	5.767	5.762	(0.521)	229464	9.68730	9.7	
8 1,3-Butadiene	54	5.842	5.831	(0.528)	171891	9.90162	9.9	
9 Bromomethane	94	6.503	6.493	(0.588)	220762	9.32051	9.3	
10 Chloroethane	64	6.696	6.690	(0.605)	117044	9.29163	9.3	
11 2-Methylbutane	43	6.770	6.760	(0.612)	258953	8.88939	8.9	
12 Vinyl bromide	106	7.048	7.043	(0.637)	233230	10.0518	10	
13 Trichlorofluoromethane	101	7.133	7.123	(0.645)	906866	10.1350	10	
14 Pentane	43	7.245	7.235	(0.655)	400341	9.19583	9.2	

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.459	7.448	(0.674)	115988	18.0716	18
16 Ethyl ether	59	7.635	7.624	(0.690)	155878	9.43012	9.4
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.992	7.987	(0.722)	573814	10.7277	11
18 Acrolein	56	7.944	7.934	(0.718)	58415	8.16729	8.2
19 1,1-Dichloroethene	96	8.056	8.057	(0.728)	247773	10.3103	10
20 Acetone	43	8.174	8.169	(0.739)	461341	12.0085	12
21 Carbon disulfide	76	8.462	8.462	(0.765)	647462	9.68574	9.7
22 Isopropanol	45	8.318	8.313	(0.752)	212814	8.66516	8.7
23 Allyl chloride	41	8.660	8.654	(0.782)	349226	9.95573	10(M)
24 Acetonitrile	41	8.686	8.654	(0.785)	108672	8.26260	8.3(QM)
25 Methylene chloride	49	8.873	8.868	(0.802)	272436	10.1081	10
26 Tert-butyl alcohol	59	8.937	8.927	(0.808)	401711	10.0553	10
27 Methyl tert-butyl ether	73	9.193	9.188	(0.831)	831138	9.97939	10
28 1,2-Dichloroethene (trans)	61	9.241	9.236	(0.835)	406595	9.95071	10
29 Acrylonitrile	53	9.284	9.289	(0.839)	142805	9.49840	9.5
30 n-Hexane	57	9.535	9.535	(0.862)	407504	9.62126	9.6
31 1,1-Dichloroethane	63	9.898	9.903	(0.894)	507646	9.96259	10
32 Vinyl acetate	43	9.887	9.887	(0.893)	606538	10.3856	10
M 33 1,2-Dichloroethene,Total	61				693427	19.7330	20
34 1,2-Dichloroethene (cis)	96	10.720	10.725	(0.969)	286832	9.78224	9.8
35 Ethyl acetate	88	10.714	10.709	(0.968)	23288	10.1868	10
36 Methyl Ethyl Ketone	72	10.709	10.714	(0.968)	114327	10.0862	10
* 37 Bromochloromethane	128	11.067	11.072	(1.000)	278676	10.0000	
38 Tetrahydrofuran	42	11.104	11.104	(0.897)	241801	9.21404	9.2
39 Chloroform	83	11.120	11.120	(1.005)	678154	10.0862	10
40 Cyclohexane	84	11.424	11.430	(0.922)	396853	9.65793	9.7
41 1,1,1-Trichloroethane	97	11.397	11.403	(0.920)	844488	10.1753	10
42 Carbon tetrachloride	117	11.595	11.600	(0.936)	885032	10.0282	10
43 2,2,4-Trimethylpentane	57	11.856	11.862	(0.957)	1344971	9.60645	9.6
44 Benzene	78	11.899	11.905	(0.961)	824986	9.49504	9.5
45 1,2-Dichloroethane	62	11.974	11.979	(0.967)	525972	10.3326	10
46 n-Heptane	43	12.081	12.081	(0.975)	515177	9.59514	9.6
* 47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1516824	10.0000	
48 n-Butanol	56	12.534	12.529	(1.012)	70694	6.90373	6.9(R)
49 Trichloroethene	95	12.758	12.758	(1.030)	423480	9.31226	9.3
50 1,2-Dichloropropane	63	13.116	13.116	(1.059)	269515	9.22625	9.2
51 Methyl methacrylate	69	13.127	13.132	(1.060)	266173	9.49972	9.5
52 Dibromomethane	174	13.292	13.297	(1.073)	445118	10.4314	10
53 1,4-Dioxane	88	13.249	13.244	(1.070)	75892	7.01444	7.0
54 Bromodichloromethane	83	13.441	13.452	(1.085)	788198	10.6275	11
55 1,3-Dichloropropene (cis)	75	14.061	14.066	(1.135)	485434	9.49654	9.5
56 Methyl isobutyl ketone	43	14.205	14.210	(1.147)	555289	9.91565	9.9
57 n-Octane	43	14.461	14.466	(1.168)	696784	9.54985	9.5
58 Toluene	92	14.493	14.498	(0.889)	607341	9.38207	9.4
59 1,3-Dichloropropene (trans)	75	14.802	14.808	(1.195)	534499	9.63741	9.6
60 1,1,2-Trichloroethane	83	15.059	15.064	(0.923)	264912	9.09660	9.1
61 Tetrachloroethene	166	15.219	15.219	(0.933)	695514	9.92552	9.9

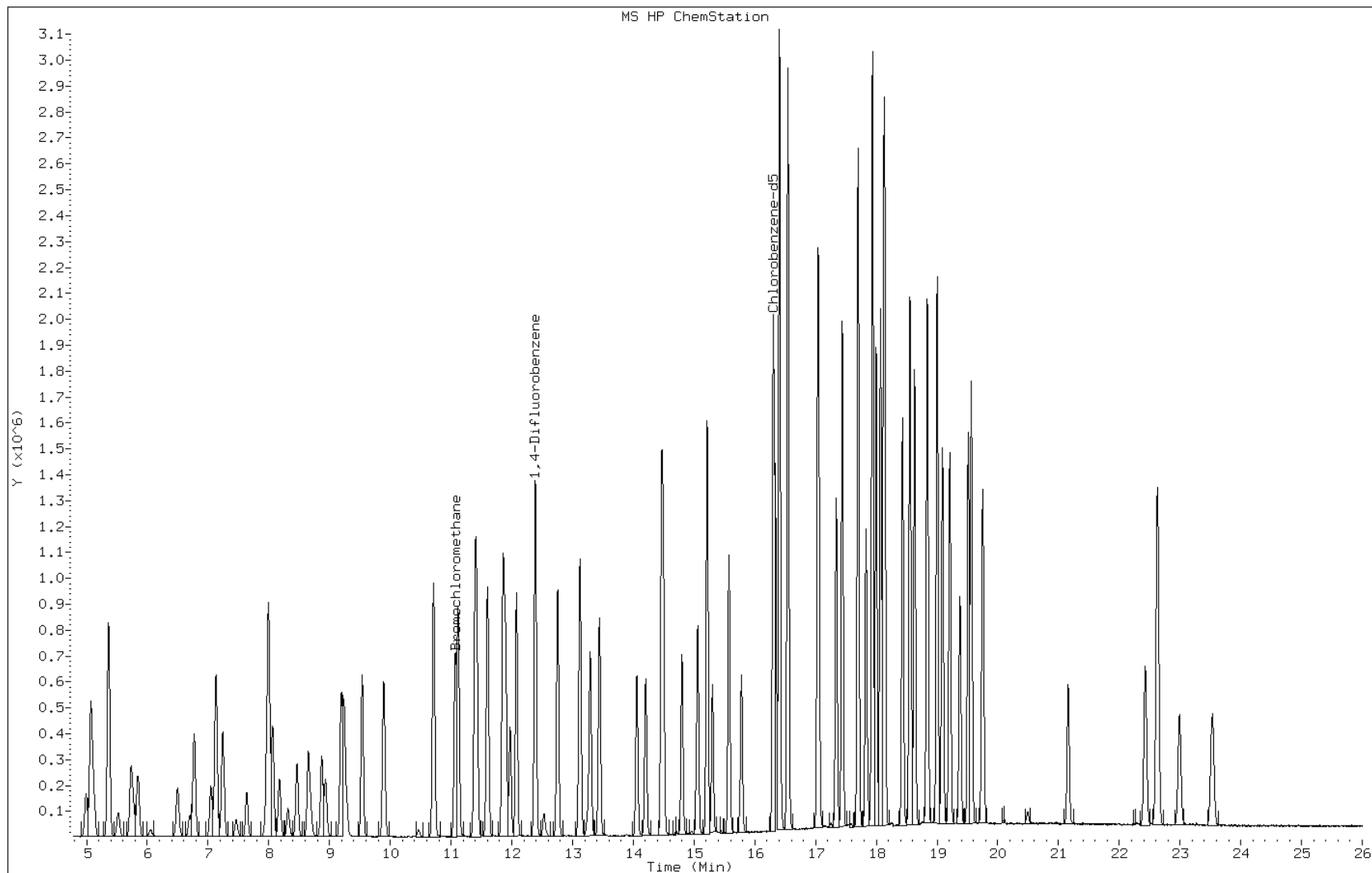
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.304	15.304	(0.938)	508015	9.76928	9.8
63 Dibromochloromethane	129	15.576	15.582	(0.955)	782834	10.7623	11
64 1,2-Dibromoethane	107	15.779	15.784	(0.968)	561017	9.64106	9.6
* 65 Chlorobenzene-d5	117	16.307	16.313	(1.000)	1443648	10.0000	
66 Chlorobenzene	112	16.345	16.350	(1.002)	870247	9.43265	9.4
67 n-Nonane	57	16.414	16.420	(1.007)	631810	9.58955	9.6
68 Ethylbenzene	91	16.403	16.409	(1.006)	1460380	9.55655	9.6
69 Xylene (m,p)	106	16.542	16.548	(1.014)	1093254	18.8558	19
M 70 Xylenes, Total	106				1616316	28.1379	28
71 Xylene (o)	106	17.039	17.044	(1.045)	523062	9.28209	9.3
72 Styrene	104	17.055	17.060	(1.046)	816694	9.57926	9.6
73 Bromoform	173	17.343	17.348	(1.063)	825027	10.8460	11
74 Isopropylbenzene	105	17.439	17.444	(1.069)	1706625	9.68121	9.7
75 1,1,2,2-Tetrachloroethane	83	17.834	17.845	(1.094)	669020	9.05041	9.1
76 n-Propylbenzene	91	17.935	17.941	(1.100)	1939555	9.82790	9.8
77 1,2,3-Trichloropropane	75	17.935	17.941	(1.100)	637095	9.57431	9.6
78 n-Decane	57	17.994	17.999	(1.103)	772746	9.88272	9.9
79 4-Ethyltoluene	105	18.069	18.074	(1.108)	1760464	10.1098	10
80 2-Chlorotoluene	91	18.122	18.127	(1.111)	1515431	9.75357	9.8
81 1,3,5-Trimethylbenzene	105	18.138	18.143	(1.112)	1492046	9.72078	9.7
82 Alpha Methyl Styrene	118	18.431	18.442	(1.130)	665752	10.1026	10
83 tert-butylbenzene	119	18.560	18.565	(1.138)	1436455	9.82569	9.8
84 1,2,4-Trimethylbenzene	105	18.629	18.634	(1.142)	1419853	9.48217	9.5
85 sec-Butylbenzene	105	18.837	18.848	(1.155)	1976058	9.89885	9.9
86 4-Isopropyltoluene	119	19.003	19.013	(1.165)	1769636	10.0158	10
87 1,3-Dichlorobenzene	146	19.093	19.099	(1.171)	947138	9.27066	9.3
88 1,4-Dichlorobenzene	146	19.211	19.221	(1.178)	933248	9.42922	9.4
89 Benzyl chloride	91	19.376	19.382	(1.188)	978324	8.62204	8.6
90 Undecane	57	19.515	19.520	(1.197)	706737	9.23766	9.2
91 n-Butylbenzene	91	19.563	19.574	(1.200)	1410135	10.0226	10
92 1,2-Dichlorobenzene	146	19.755	19.760	(1.211)	883000	9.22739	9.2
93 Dodecane	57	21.159	21.169	(1.297)	285119	8.83236	8.8
94 1,2,4-Trichlorobenzene	180	22.429	22.440	(1.375)	419884	9.11956	9.1
95 1,3-Hexachlorobutadiene	225	22.632	22.642	(1.388)	570665	9.54707	9.5
96 Naphthalene	128	22.989	23.005	(1.410)	746497	9.56110	9.6
97 1,2,3-Trichlorobenzene	180	23.534	23.544	(1.443)	321710	9.22351	9.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: ckrj003.d
Client ID: lcs 313513
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 313513
Lab Sample ID: lcs 313513

Date: 12-APR-2012 12:27
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

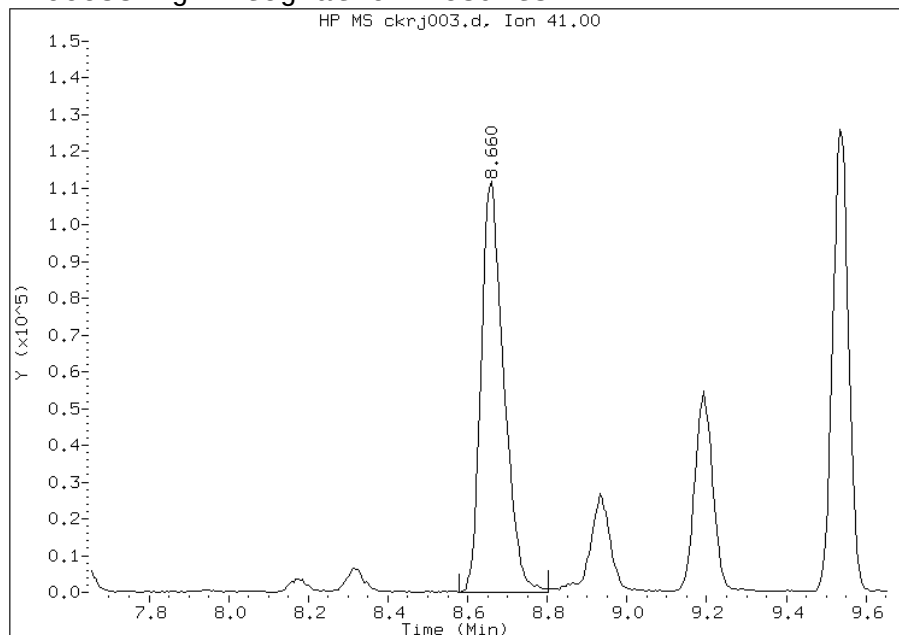


Manual Integration Report

Data File: ckrj003.d
Lab Sample ID: lcs 313513
Inj. Date and Time: 12-APR-2012 12:27
Instrument ID: C.i
Client ID: lcs 313513
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/13/2012

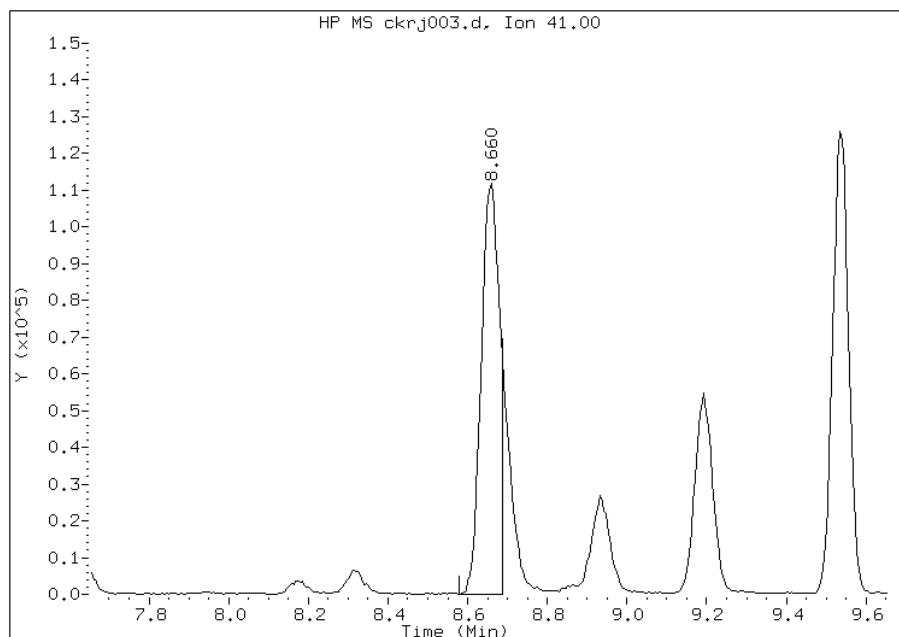
Processing Integration Results

RT: 8.66
Response: 442391
Amount: 12.61
Conc: 12.61



Manual Integration Results

RT: 8.66
Response: 349226
Amount: 9.96
Conc: 9.96



File Uploaded By: pd
Manual Integration Reason: Baseline event

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-36891/3

Matrix: Air Lab File ID: ckrk003.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2012 12:38

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
75-71-8	Dichlorodifluoromethane	120.91	10.7		0.50	0.50
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	10.1		0.20	0.20
74-87-3	Chloromethane	50.49	9.58		0.50	0.50
75-01-4	Vinyl chloride	62.50	9.72		0.20	0.20
106-99-0	1,3-Butadiene	54.09	9.99		0.20	0.20
74-83-9	Bromomethane	94.94	9.63		0.20	0.20
75-00-3	Chloroethane	64.52	9.71		0.50	0.50
593-60-2	Bromoethene (Vinyl Bromide)	106.96	10.6		0.20	0.20
75-69-4	Trichlorofluoromethane	137.37	10.7		0.20	0.20
76-13-1	Freon TF	187.38	11.2		0.20	0.20
75-35-4	1,1-Dichloroethene	96.94	11.0		0.20	0.20
67-64-1	Acetone	58.08	12.1		5.0	5.0
67-63-0	Isopropyl alcohol	60.10	8.91		5.0	5.0
75-15-0	Carbon disulfide	76.14	9.99		0.50	0.50
107-05-1	3-Chloropropene	76.53	9.84		0.50	0.50
75-09-2	Methylene Chloride	84.93	10.6		0.50	0.50
75-65-0	tert-Butyl alcohol	74.12	10.2		5.0	5.0
1634-04-4	Methyl tert-butyl ether	88.15	9.97		0.20	0.20
156-60-5	trans-1,2-Dichloroethene	96.94	10.3		0.20	0.20
110-54-3	n-Hexane	86.17	9.85		0.20	0.20
75-34-3	1,1-Dichloroethane	98.96	10.1		0.20	0.20
78-93-3	Methyl Ethyl Ketone	72.11	9.73		0.50	0.50
156-59-2	cis-1,2-Dichloroethene	96.94	10.0		0.20	0.20
540-59-0	1,2-Dichloroethene, Total	96.94	20.3		0.20	0.20
67-66-3	Chloroform	119.38	10.4		0.20	0.20
109-99-9	Tetrahydrofuran	72.11	9.63		5.0	5.0
71-55-6	1,1,1-Trichloroethane	133.41	11.0		0.20	0.20
110-82-7	Cyclohexane	84.16	10.5		0.20	0.20
56-23-5	Carbon tetrachloride	153.81	10.9		0.20	0.20
540-84-1	2,2,4-Trimethylpentane	114.23	10.2		0.20	0.20
71-43-2	Benzene	78.11	9.95		0.20	0.20
107-06-2	1,2-Dichloroethane	98.96	11.0		0.20	0.20
142-82-5	n-Heptane	100.21	10.2		0.20	0.20
79-01-6	Trichloroethene	131.39	10.0		0.20	0.20
78-87-5	1,2-Dichloropropane	112.99	9.75		0.20	0.20

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 200-36891/3

Matrix: Air Lab File ID: ckrk003.d

Analysis Method: TO-15 Date Collected: _____

Sample wt/vol: 200 (mL) Date Analyzed: 04/13/2012 12:38

Soil Aliquot Vol: _____ Dilution Factor: 1

Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____ Level: (low/med) Low

Analysis Batch No.: 36891 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	RL
123-91-1	1,4-Dioxane	88.11	7.34		5.0	5.0
75-27-4	Bromodichloromethane	163.83	11.2		0.20	0.20
10061-01-5	cis-1,3-Dichloropropene	110.97	9.99		0.20	0.20
108-10-1	methyl isobutyl ketone	100.16	9.95		0.50	0.50
108-88-3	Toluene	92.14	10.2		0.20	0.20
10061-02-6	trans-1,3-Dichloropropene	110.97	9.99		0.20	0.20
79-00-5	1,1,2-Trichloroethane	133.41	9.81		0.20	0.20
127-18-4	Tetrachloroethene	165.83	11.0		0.20	0.20
591-78-6	Methyl Butyl Ketone (2-Hexanone)	100.20	10.3		0.50	0.50
124-48-1	Dibromochloromethane	208.29	11.9		0.20	0.20
106-93-4	1,2-Dibromoethane	187.87	10.5		0.20	0.20
108-90-7	Chlorobenzene	112.30	10.2		0.20	0.20
100-41-4	Ethylbenzene	106.17	10.4		0.20	0.20
179601-23-1	m,p-Xylene	106.17	20.3		0.50	0.50
95-47-6	Xylene, o-	106.17	9.92		0.20	0.20
1330-20-7	Xylene (total)	106.17	30.2		0.20	0.20
100-42-5	Styrene	104.15	10.4		0.20	0.20
75-25-2	Bromoform	252.75	12.1		0.20	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	9.72		0.20	0.20
622-96-8	4-Ethyltoluene	120.20	10.8		0.20	0.20
108-67-8	1,3,5-Trimethylbenzene	120.20	10.6		0.20	0.20
95-49-8	2-Chlorotoluene	126.59	10.7		0.20	0.20
95-63-6	1,2,4-Trimethylbenzene	120.20	10.2		0.20	0.20
541-73-1	1,3-Dichlorobenzene	147.00	10.2		0.20	0.20
106-46-7	1,4-Dichlorobenzene	147.00	10.3		0.20	0.20
95-50-1	1,2-Dichlorobenzene	147.00	10.1		0.20	0.20
120-82-1	1,2,4-Trichlorobenzene	181.45	9.87		0.50	0.50
87-68-3	Hexachlorobutadiene	260.76	10.4		0.20	0.20

TestAmerica Burlington

AIR TOXICS QUANTITATION REPORT

Data file : /chem/C.i/Csvr.p/ckrkto15.b/ckrk003.d
Lab Smp Id: lcs 313513 Client Smp ID: lcs 313513
Inj Date : 13-APR-2012 12:38
Operator : pad Inst ID: C.i
Smp Info : lcs 313513
Misc Info : 200,1, lcs
Comment :
Method : /chem/C.i/Csvr.p/ckrkto15.b/to15v5.m
Meth Date : 14-Apr-2012 18:03 wrd Quant Type: ISTD
Cal Date : 30-MAR-2012 22:20 Cal File: ckr010.d
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: allT015.sub
Target Version: 3.50
Processing Host: chemsvr6

Concentration Formula: Amt * DF * Uf*(Vo/Vo)*(Vf/Vf) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	200.00000	Sample Volume purged (mL)
Vf	200.00000	Final Volume (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
1 Propene	41	4.977	4.972	(0.450)	152793	9.44893	9.4
2 Dichlorodifluoromethane	85	5.057	5.057	(0.457)	826199	10.7020	11
3 Chlorodifluoromethane	51	5.100	5.095	(0.461)	390368	10.3957	10
4 1,2-Dichloro-1,1,2,2-tetraflu	85	5.351	5.345	(0.484)	733251	10.1242	10
5 Chloromethane	50	5.511	5.511	(0.498)	178552	9.58060	9.6
6 Butane	43	5.724	5.719	(0.518)	351338	9.75688	9.8
7 Vinyl chloride	62	5.762	5.762	(0.521)	219028	9.71530	9.7
8 1,3-Butadiene	54	5.831	5.831	(0.527)	165037	9.98856	10
9 Bromomethane	94	6.493	6.493	(0.587)	217097	9.63025	9.6
10 Chloroethane	64	6.690	6.690	(0.605)	116409	9.70953	9.7
11 2-Methylbutane	43	6.760	6.760	(0.611)	259897	9.37391	9.4
12 Vinyl bromide	106	7.042	7.043	(0.637)	233265	10.5627	11
13 Trichlorofluoromethane	101	7.123	7.123	(0.644)	910147	10.6871	11
14 Pentane	43	7.235	7.235	(0.654)	395461	9.54406	9.5

Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	====	==	=====	=====	=====	=====	=====
15 Ethanol	45	7.453	7.448	(0.674)	112585	18.4303	18
16 Ethyl ether	59	7.630	7.624	(0.690)	146686	9.32373	9.3
17 1,1,2-Trichloro-1,2,2-trifluo	101	7.982	7.987	(0.722)	568172	11.1605	11
18 Acrolein	56	7.939	7.934	(0.718)	55633	8.17250	8.2
19 1,1-Dichloroethene	96	8.051	8.057	(0.728)	251118	10.9791	11
20 Acetone	43	8.169	8.169	(0.738)	442347	12.0975	12
21 Carbon disulfide	76	8.457	8.462	(0.765)	635309	9.98555	10
22 Isopropanol	45	8.307	8.313	(0.751)	208362	8.91381	8.9
23 Allyl chloride	41	8.649	8.654	(0.782)	328373	9.83564	9.8(M)
24 Acetonitrile	41	8.676	8.654	(0.784)	112216	8.96443	9.0(QM)
25 Methylene chloride	49	8.862	8.868	(0.801)	271092	10.5680	11
26 Tert-butyl alcohol	59	8.921	8.927	(0.807)	386462	10.1638	10
27 Methyl tert-butyl ether	73	9.183	9.188	(0.830)	790290	9.96979	10
28 1,2-Dichloroethene (trans)	61	9.231	9.236	(0.834)	398673	10.2513	10
29 Acrylonitrile	53	9.279	9.289	(0.839)	134428	9.39432	9.4
30 n-Hexane	57	9.529	9.535	(0.862)	397147	9.85191	9.9
31 1,1-Dichloroethane	63	9.892	9.903	(0.894)	489982	10.1032	10
32 Vinyl acetate	43	9.882	9.887	(0.893)	565523	10.1741	10
M 33 1,2-Dichloroethene,Total	61				678530	20.2793	20
34 1,2-Dichloroethene (cis)	96	10.714	10.725	(0.969)	279857	10.0280	10
35 Ethyl acetate	88	10.698	10.709	(0.967)	20942	9.62480	9.6
36 Methyl Ethyl Ketone	72	10.698	10.714	(0.967)	104940	9.72726	9.7
* 37 Bromochloromethane	128	11.061	11.072	(1.000)	265235	10.0000	
38 Tetrahydrofuran	42	11.099	11.104	(0.896)	229976	9.62502	9.6
39 Chloroform	83	11.115	11.120	(1.005)	664304	10.3809	10
40 Cyclohexane	84	11.419	11.430	(0.922)	391005	10.4511	10
41 1,1,1-Trichloroethane	97	11.392	11.403	(0.920)	834867	11.0483	11
42 Carbon tetrachloride	117	11.595	11.600	(0.936)	878609	10.9342	11
43 2,2,4-Trimethylpentane	57	11.856	11.862	(0.957)	1305204	10.2390	10
44 Benzene	78	11.894	11.905	(0.960)	786779	9.94559	9.9
45 1,2-Dichloroethane	62	11.968	11.979	(0.966)	509091	10.9842	11
46 n-Heptane	43	12.075	12.081	(0.975)	497085	10.1684	10
* 47 1,4-Difluorobenzene	114	12.385	12.390	(1.000)	1381045	10.0000	
48 n-Butanol	56	12.523	12.529	(1.011)	70501	7.56177	7.6
49 Trichloroethene	95	12.753	12.758	(1.030)	415542	10.0361	10
50 1,2-Dichloropropane	63	13.111	13.116	(1.059)	259436	9.75439	9.8
51 Methyl methacrylate	69	13.127	13.132	(1.060)	246934	9.67955	9.7
52 Dibromomethane	174	13.287	13.297	(1.073)	436608	11.2380	11
53 1,4-Dioxane	88	13.244	13.244	(1.069)	72320	7.34146	7.3
54 Bromodichloromethane	83	13.441	13.452	(1.085)	759233	11.2434	11
55 1,3-Dichloropropene (cis)	75	14.055	14.066	(1.135)	464913	9.98929	10
56 Methyl isobutyl ketone	43	14.199	14.210	(1.147)	507349	9.95030	10
57 n-Octane	43	14.461	14.466	(1.168)	666389	10.0312	10
58 Toluene	92	14.493	14.498	(0.889)	579659	10.1692	10
59 1,3-Dichloropropene (trans)	75	14.802	14.808	(1.195)	504471	9.99027	10
60 1,1,2-Trichloroethane	83	15.053	15.064	(0.923)	251551	9.80962	9.8
61 Tetrachloroethene	166	15.213	15.219	(0.933)	680307	11.0256	11

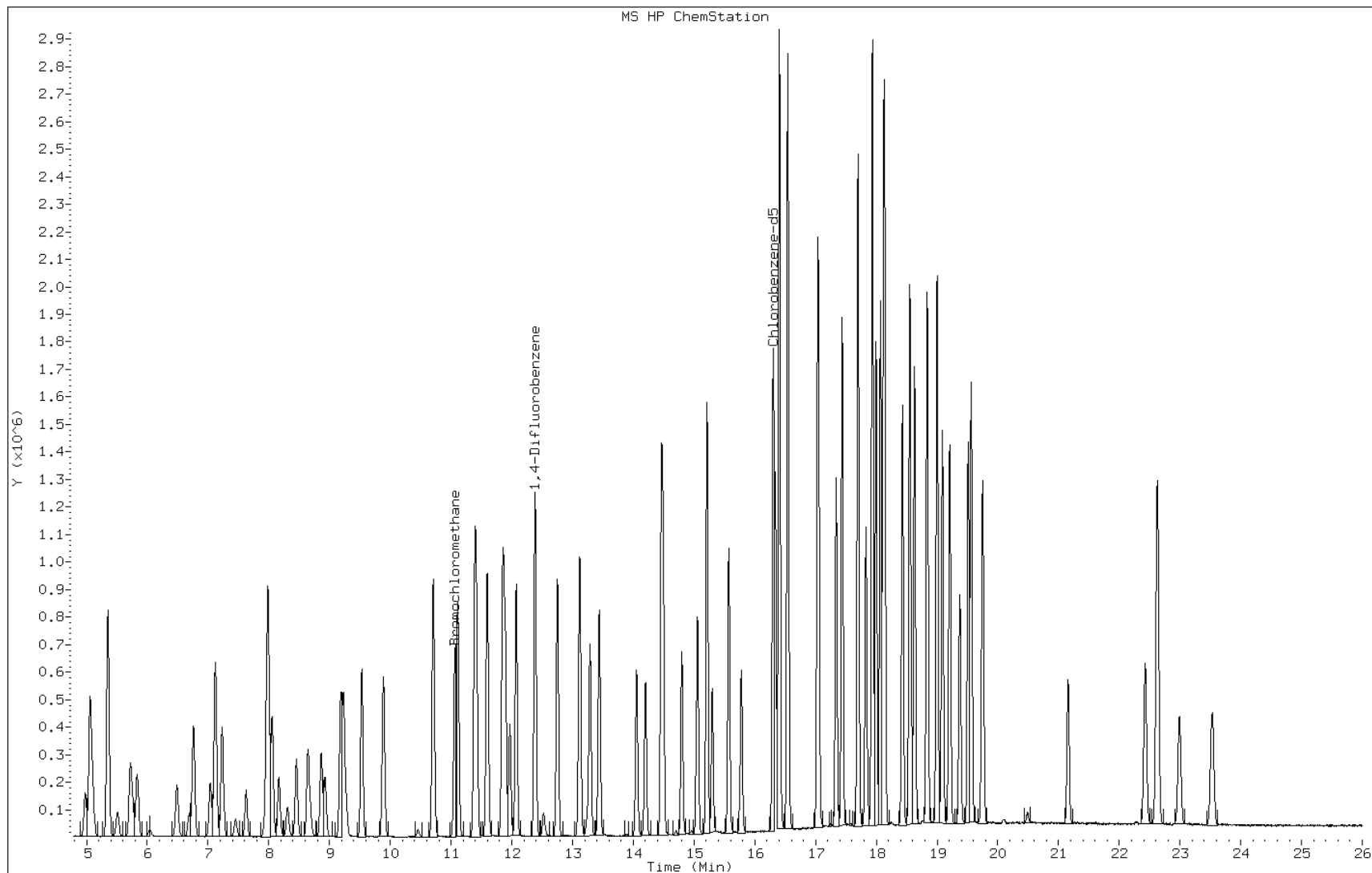
Compounds	QUANT SIG					CONCENTRATIONS	
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (ppb v/v)	FINAL (ppb v/v)
=====	=====	==	=====	=====	=====	=====	=====
62 2-Hexanone	43	15.299	15.304	(0.938)	470315	10.2712	10
63 Dibromochloromethane	129	15.571	15.582	(0.955)	761947	11.8962	12
64 1,2-Dibromoethane	107	15.774	15.784	(0.968)	536607	10.4726	10
* 65 Chlorobenzene-d5	117	16.302	16.313	(1.000)	1271197	10.0000	
66 Chlorobenzene	112	16.339	16.350	(1.002)	832559	10.2484	10
67 n-Nonane	57	16.409	16.420	(1.007)	597631	10.3013	10
68 Ethylbenzene	91	16.403	16.409	(1.006)	1395117	10.3680	10
69 Xylene (m,p)	106	16.542	16.548	(1.015)	1035795	20.2883	20
M 70 Xylenes, Total	106				1527879	30.2053	30
71 Xylene (o)	106	17.033	17.044	(1.045)	492084	9.91700	9.9
72 Styrene	104	17.055	17.060	(1.046)	779832	10.3878	10
73 Bromoform	173	17.337	17.348	(1.063)	811483	12.1152	12
74 Isopropylbenzene	105	17.439	17.444	(1.070)	1618365	10.4260	10
75 1,1,2,2-Tetrachloroethane	83	17.834	17.845	(1.094)	632711	9.72038	9.7
76 n-Propylbenzene	91	17.935	17.941	(1.100)	1843672	10.6094	11
77 1,2,3-Trichloropropane	75	17.935	17.941	(1.100)	604527	10.3173	10
78 n-Decane	57	17.994	17.999	(1.104)	734953	10.6745	11
79 4-Ethyltoluene	105	18.069	18.074	(1.108)	1660434	10.8289	11
80 2-Chlorotoluene	91	18.117	18.127	(1.111)	1457476	10.6531	11
81 1,3,5-Trimethylbenzene	105	18.138	18.143	(1.113)	1438753	10.6452	11
82 Alpha Methyl Styrene	118	18.431	18.442	(1.131)	643696	11.0930	11
83 tert-butylbenzene	119	18.554	18.565	(1.138)	1378621	10.7094	11
84 1,2,4-Trimethylbenzene	105	18.629	18.634	(1.143)	1343971	10.1930	10
85 sec-Butylbenzene	105	18.837	18.848	(1.155)	1875284	10.6684	11
86 4-Isopropyltoluene	119	19.002	19.013	(1.166)	1676299	10.7747	11
87 1,3-Dichlorobenzene	146	19.088	19.099	(1.171)	916028	10.1825	10
88 1,4-Dichlorobenzene	146	19.211	19.221	(1.178)	895370	10.2738	10
89 Benzyl chloride	91	19.376	19.382	(1.189)	928461	9.29265	9.3
90 Undecane	57	19.509	19.520	(1.197)	651473	9.67051	9.7
91 n-Butylbenzene	91	19.563	19.574	(1.200)	1332501	10.7557	11
92 1,2-Dichlorobenzene	146	19.750	19.760	(1.211)	847623	10.0593	10
93 Dodecane	57	21.159	21.169	(1.298)	284577	10.0115	10
94 1,2,4-Trichlorobenzene	180	22.429	22.440	(1.376)	400234	9.87204	9.9
95 1,3-Hexachlorobutadiene	225	22.632	22.642	(1.388)	547691	10.4057	10
96 Naphthalene	128	22.989	23.005	(1.410)	701172	10.1989	10
97 1,2,3-Trichlorobenzene	180	23.528	23.544	(1.443)	309129	10.0651	10

QC Flag Legend

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

Data File: ckrk003.d
Client ID: lcs 313513
Operator: pad
Column Type: Capillary
Stationary Phase: RTX-624
Sample Info: lcs 313513
Lab Sample ID: lcs 313513

Date: 13-APR-2012 12:38
Instrument: C.i
Inj Vol: 200.0
Diameter: 0.32

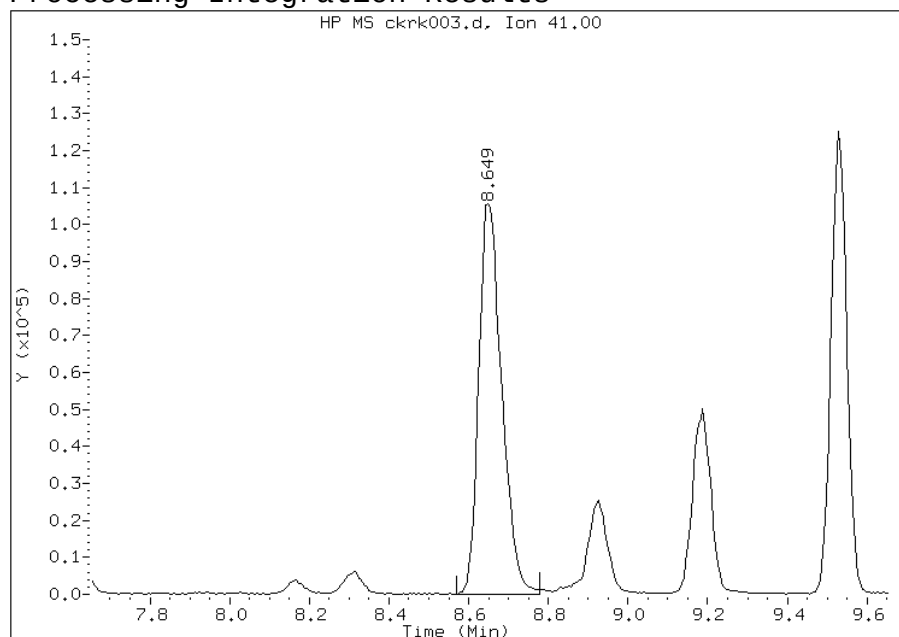


Manual Integration Report

Data File: ckrk003.d
Lab Sample ID: lcs 313513
Inj. Date and Time: 13-APR-2012 12:38
Instrument ID: C.i
Client ID: lcs 313513
Compound: 23 Allyl chloride
CAS #: 107-05-1
Report Date: 04/14/2012

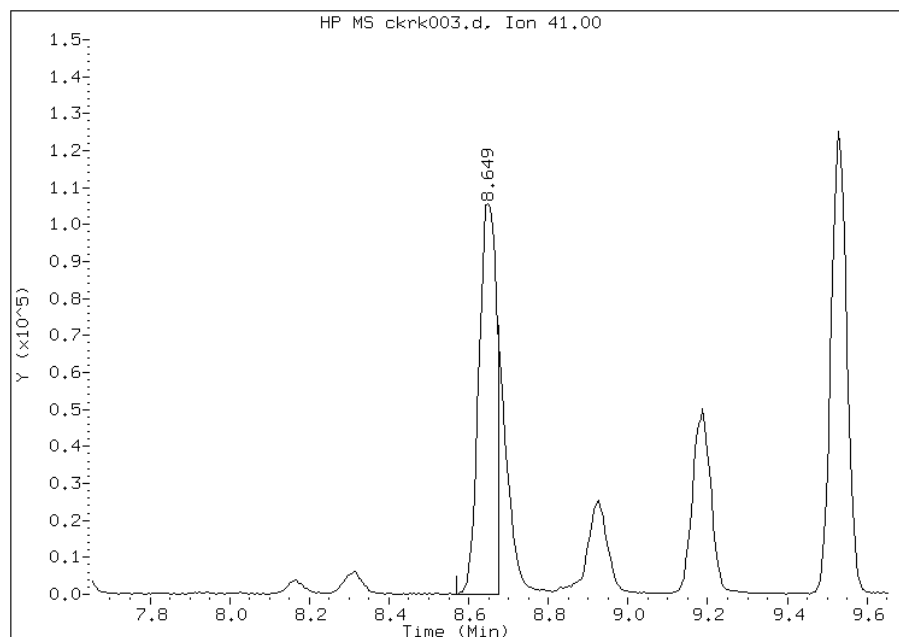
Processing Integration Results

RT: 8.65
Response: 423801
Amount: 12.69
Conc: 12.69



Manual Integration Results

RT: 8.65
Response: 328373
Amount: 9.84
Conc: 9.84



File Uploaded By: wrd
Manual Integration Reason: Baseline event

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Burlington Job No.: 480-18060-1

SDG No.: _____

Instrument ID: C.i Start Date: 03/30/2012 14:51Analysis Batch Number: 36047 End Date: 03/31/2012 02:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-36047/1		03/30/2012 14:51	1	ckr001.d	RTX-624 0.32 (mm)
VIBLK 200-36047/2		03/30/2012 15:43	1		RTX-624 0.32 (mm)
IC 200-36047/3		03/30/2012 16:32	1	ckr003.d	RTX-624 0.32 (mm)
IC 200-36047/4		03/30/2012 17:22	1	ckr004.d	RTX-624 0.32 (mm)
IC 200-36047/5		03/30/2012 18:12	1	ckr005.d	RTX-624 0.32 (mm)
IC 200-36047/6		03/30/2012 19:02	1	ckr006.d	RTX-624 0.32 (mm)
ICIS 200-36047/7		03/30/2012 19:52	1	ckr007.d	RTX-624 0.32 (mm)
IC 200-36047/8		03/30/2012 20:41	1	ckr008.d	RTX-624 0.32 (mm)
IC 200-36047/9		03/30/2012 21:30	1	ckr009.d	RTX-624 0.32 (mm)
IC 200-36047/10		03/30/2012 22:20	1	ckr010.d	RTX-624 0.32 (mm)
ZZZZZ		03/30/2012 23:10	1		RTX-624 0.32 (mm)
ZZZZZ		03/30/2012 23:59	1		RTX-624 0.32 (mm)
ICV 200-36047/13		03/31/2012 00:49	1	ckr013.d	RTX-624 0.32 (mm)
ZZZZZ		03/31/2012 01:38	1		RTX-624 0.32 (mm)
ZZZZZ		03/31/2012 02:28	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-18060-1

SDG No.: _____

Instrument ID: C.iStart Date: 04/12/2012 10:45Analysis Batch Number: 36845End Date: 04/13/2012 08:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-36845/1		04/12/2012 10:45	1	ckrj001.d	RTX-624 0.32 (mm)
CCVIS 200-36845/2		04/12/2012 11:36	1	ckrj002.d	RTX-624 0.32 (mm)
LCS 200-36845/3		04/12/2012 12:27	1	ckrj003.d	RTX-624 0.32 (mm)
MB 200-36845/4		04/12/2012 13:17	1	ckrj004.d	RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 18:16	1		RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 19:06	1		RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 19:55	1		RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 20:45	1		RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 21:35	1		RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 22:25	1		RTX-624 0.32 (mm)
ZZZZZ		04/12/2012 23:14	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 00:03	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 00:53	296		RTX-624 0.32 (mm)
480-18060-2	AS Effluent	04/13/2012 01:43	6.9	ckrj019.d	RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 02:33	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 03:23	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 04:12	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 05:02	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 05:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 06:42	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 07:32	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 08:22	1		RTX-624 0.32 (mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica BurlingtonJob No.: 480-18060-1

SDG No.: _____

Instrument ID: C.iStart Date: 04/13/2012 10:49Analysis Batch Number: 36891End Date: 04/14/2012 09:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 200-36891/1		04/13/2012 10:49	1	ckrk001.d	RTX-624 0.32 (mm)
CCVIS 200-36891/2		04/13/2012 11:40	1	ckrk002.d	RTX-624 0.32 (mm)
LCS 200-36891/3		04/13/2012 12:38	1	ckrk003.d	RTX-624 0.32 (mm)
MB 200-36891/4		04/13/2012 13:25	1	ckrk004.d	RTX-624 0.32 (mm)
480-18060-1	LRP Effluent	04/13/2012 14:15	458	ckrk005.d	RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 15:04	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 15:54	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 16:44	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 17:34	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 18:24	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 19:13	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 20:03	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 20:52	1		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 21:42	10		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 22:31	10		RTX-624 0.32 (mm)
ZZZZZ		04/13/2012 23:21	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 00:11	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 01:00	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 01:50	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 02:40	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 03:29	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 04:19	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 05:09	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 05:59	10		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 06:49	0.2		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 07:39	0.2		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 08:29	0.2		RTX-624 0.32 (mm)
ZZZZZ		04/14/2012 09:20	0.2		RTX-624 0.32 (mm)

Subcontract Data

Shipping and Receiving Documents

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

[illegible]

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-18060-1

Login Number: 18060

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Sampling Company provided.	N/A	
Samples received within 48 hours of sampling.	N/A	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: AECOM, Inc.

Job Number: 480-18060-1

Login Number: 18060

List Number: 1

Creator: Holt, Jamie

List Source: TestAmerica Burlington

List Creation: 04/04/12 02:58 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	792528
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	ambient
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

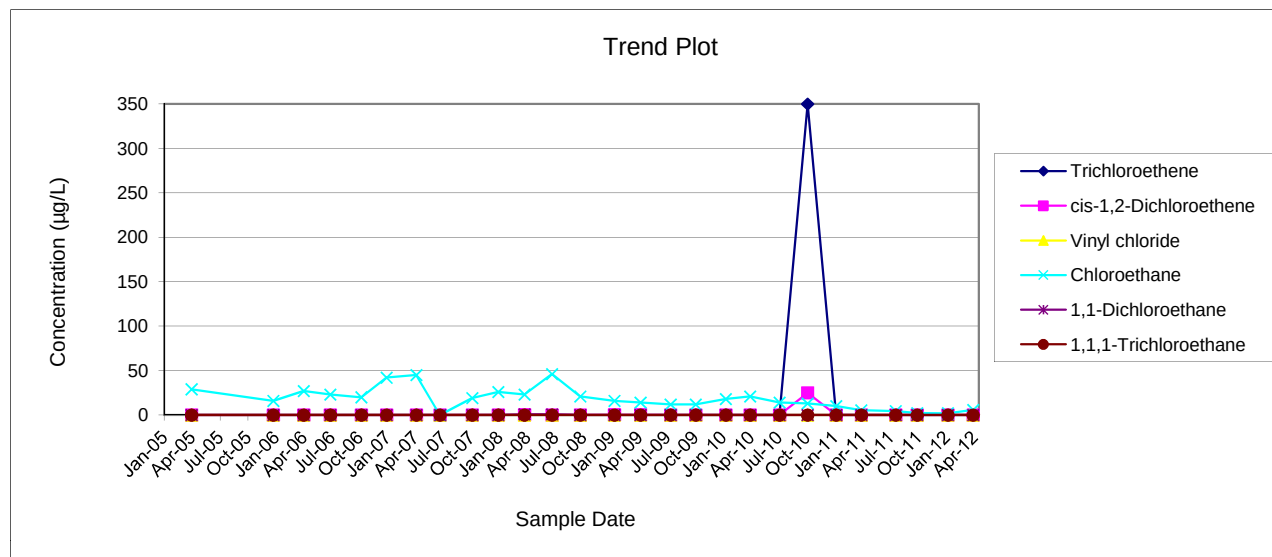
Appendix E

Current and Historical Summary of VOC Groundwater

MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	29	< 10	<10
1/5/2006	< 25	< 25	< 25	16	< 25	< 25
4/14/2006	< 25	< 25	< 25	27	< 25	< 25
7/10/2006	< 25	< 25	< 25	23	< 25	< 25
10/19/2006	< 5	< 5	< 5	20	< 5	< 5
1/9/2007	< 5	< 5	< 5	42	< 5	< 5
4/16/2007	< 20	< 20	< 20	45	< 20	< 20
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/15/2007	< 5	< 5	< 5	19	< 5	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	0.48	< 5	23	1	< 5
7/1/2008	< 5	< 5	< 5	46	0.65	< 5
10/1/2008	< 5	< 5	< 5	21	<5	< 5
1/20/2009	< 5	0	< 5	16	<5	< 5
4/15/2009	< 5	0	< 5	14	<5	< 5
7/22/2009	< 5	< 5	< 5	12	<5	< 5
10/12/2009	< 5	< 5	< 5	12	<5	< 5
1/18/2010	< 25	< 25	< 25	18	< 25	< 25
4/7/2010	< 25	< 25	< 25	21	< 25	< 25
7/12/2010	< 25	< 25	< 25	14	< 25	< 25
10/11/2010	350	25	< 25	13	< 25	< 25
1/12/2011	<1	<1	<1	10	<1	<1
4/4/2011	<1	<1	<1	5.4	<1	<1
7/25/2011	<1	<1	<1	4.5	<1	<1
10/3/2011	<1	<1	<1	2.1	<1	<1
1/11/2012	<1	<1	<1	2	<1	<1
4/2/2012	<1	<1	<1	5.8	<1	<1

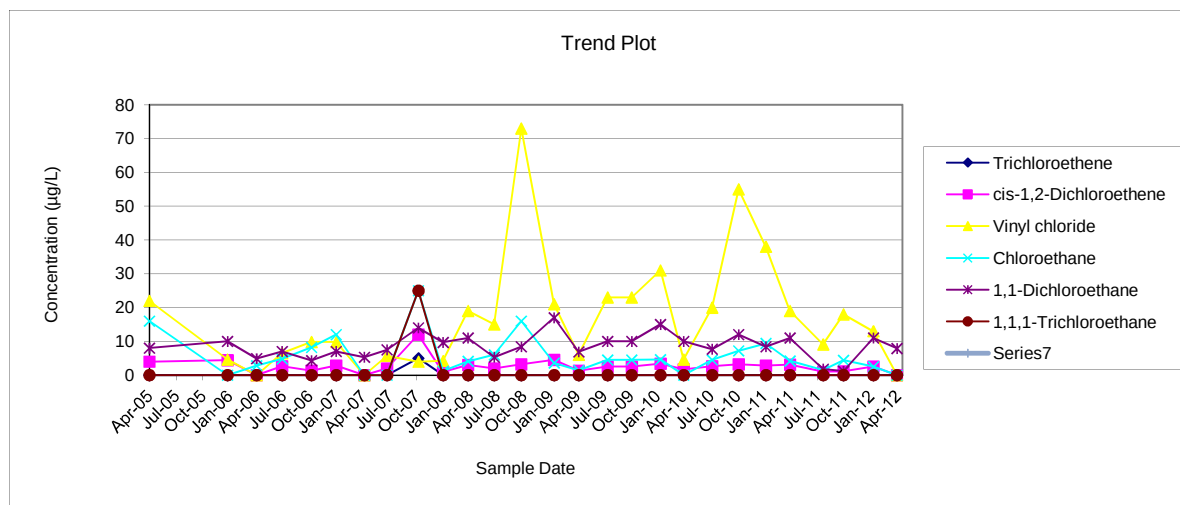
**MONITORING WELL MW-2
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	4	22	16	8	<10
1/5/2006	< 25	4.4	4.6	< 25	10	< 25
4/14/2006	< 25	< 25	< 25	2.8	4.9	< 25
7/10/2006	< 25	2.6	6.5	4.8	7	< 25
10/18/2006	< 5	1.3	9.8	8.2	4.3	< 5
1/10/2007	< 5	2.8	9.8	12	7	< 5
4/16/2007	< 20	< 20	< 20	< 20	5.3	< 20
7/2/2007	< 5	2	5.7	< 5	7.5	< 5
10/17/2007	5	12	4	25	14	25
1/9/2008	< 5	0.9	4.2	1.2	9.7	<5
4/3/2008	<5	3	19	4.1	11	<5
7/1/2008	<5	2	15	6	5.3	<5
10/1/2008	<5	3.2	73	16	8.4	<5
1/21/2009	<5	4.5	21	3.6	17	<5
4/15/2009	<5	1.3	6	1.4	6.9	<5
7/22/2009	<5	2.5	23	4.5	10	<5
10/12/2009	<5	2.5	23	4.5	10	<5
1/18/2010	<5	3.4	31	4.6	15	<5
4/7/2010	<5	1.7	4.6	<5	10	<5
7/13/2010	<5	2.6	20	4.5	7.7	<5
10/11/2010	<5	3.2	55	7.2	12	<5
1/12/2011	<1	2.8	38	9.4	8.4	<1
4/4/2011	<1	3.1	19	4.2	11	<1
7/26/2011	<1	0.98	9.1	1.5	1.8	<1
10/3/2011	<1	1.1	18	4.4	1.2	<1
1/13/2012	<1	2.5	13	2.5	11	<1
4/2/2012	<1	<1	<1	<1	7.9	<1

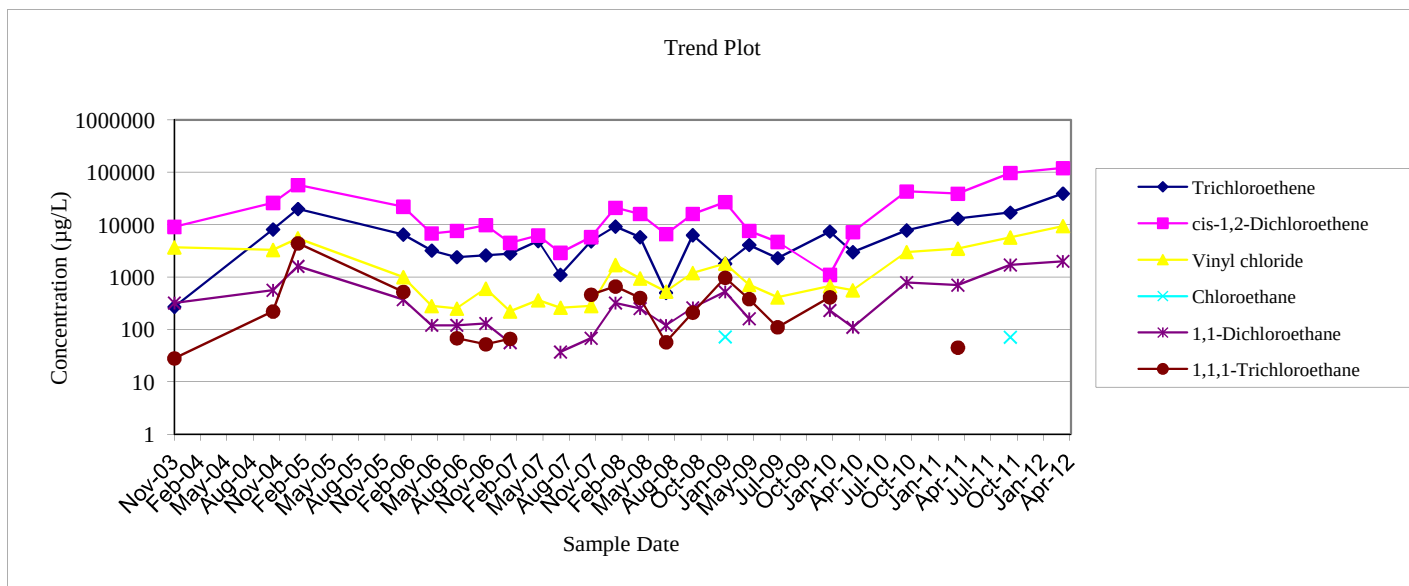
**MONITORING WELL MW-3
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



MONITORING WELL MW-4
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
11/7/2003	270	9,100	3,700	< 10	320	28
10/13/2004	8,100	26,000	3,300	< 1000	560	220
1/7/2005	20,000	57,000	5,500	< 2000	1,600	4,400
1/6/2006	6,500	22,000	1,000	< 2000	370	520
4/14/2006	3,200	6,800	280	<500	120	<500
7/10/2006	2,400	7,600	250	<500	120	68
10/18/2006	2,600	9,800	600	<5	130	52
1/10/2007	2,800	4,500	220	<400	56	66
4/17/2007	4,900	6,200	360	<500	<500	<500
7/3/2007	1,100	2,900	260	<200	37	<200
10/17/2007	4,800	5,800	280	<500	68	460
1/9/2008	9,200	21,000	1,700	<500	320	660
4/3/2008	5,800	16,000	940	<1200	250	400
7/2/2008	500	6,600	530	<500	120	57
10/2/2008	6,300	16,000	1,200	<500	260	210
1/22/2009	1,800	27,000	1,800	72	520	970
4/15/2009	4,100	7,600	710	<200	160	380
7/22/2009	2,300	4,700	410	<250	<250	110
1/19/2010	7,400	1,100	670	<1000	230	410
4/8/2010	3,000	7,200	560	<500	110	<500
10/11/2010	7,800	43,000	3,000	<4,000	790	<4,000
4/6/2011	13,000	39,000	3,500	<40	700	45
10/4/2011	17,000	97,000	5,700	71	1700	<1
4/3/2012	39,000	120,000	9,400	<200	2000	<200

**MONITORING WELL MW-4
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

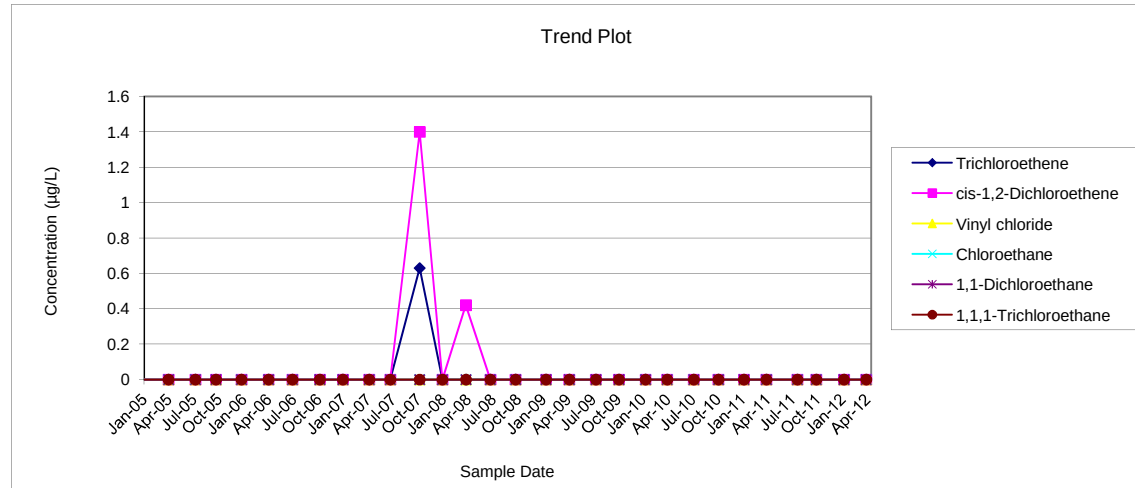


Note: LNAPL was present in MW-4 during the October 2004 and January 2005 groundwater sampling events.

MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	< 10	< 10	< 10	< 10	< 10	< 6
10/12/2004	< 10	< 10	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/14/2005	< 10	< 10	< 10	< 10	< 10	< 10
7/21/2005	< 5	< 5	< 5	< 5	< 5	< 5
10/4/2005	< 5	< 5	< 5	< 5	< 5	< 5
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/10/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	0.63	1.4	< 5	< 5	< 5	< 5
1/8/2008	<5	<5	<5	<5	<5	<5
4/3/2008	<5	0.42	<5	<5	<5	<5
7/1/2008	<5	<5	<5	<5	<5	<5
10/1/2008	<5	<5	<5	<5	<5	<5
1/20/2009	<5	<5	<5	<5	<5	<5
4/15/2009	<5	<5	<5	<5	<5	<5
7/21/2009	<5	<5	<5	<5	<5	<5
10/13/2009	<5	<5	<5	<5	<5	<5
1/18/2010	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
7/13/2010	<5	<5	<5	<5	<5	<5
10/11/2010	<5	<5	<5	<5	<5	<5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1

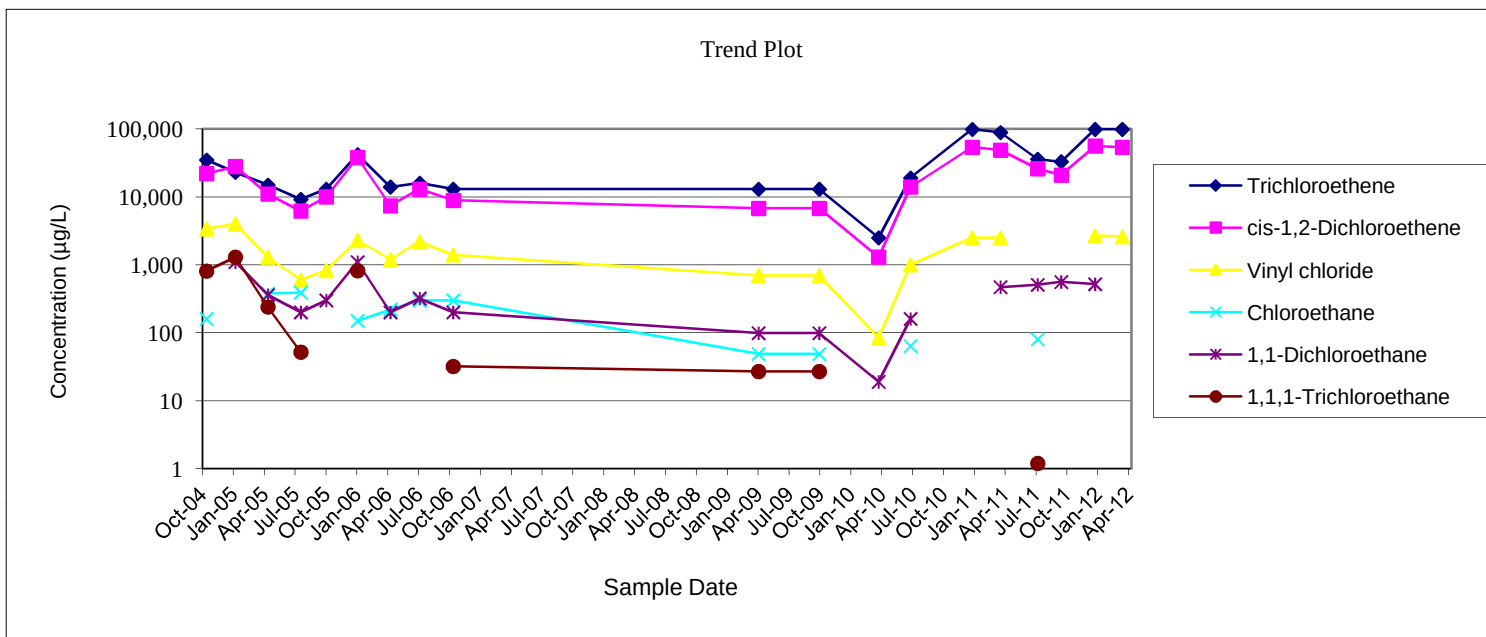
**MONITORING WELL MW-6
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/13/2004	35,000	22,000	3,400	160	< 5,000	810
1/7/2005	23,000	28,000	4,000	< 2,000	1,100	1,300
4/14/2005	15,000	11,000	1,300	380	360	240
7/21/2005	9,200	6,200	600	390	200	52
10/5/2005	13,000	10,000	830	< 1,000	300	<1,000
1/6/2006	42,000	38,000	2,300	150	1100	820
4/14/2006	14,000	7,400	1,200	220	200	< 1,000
7/10/2006	16,000	13,000	2,200	300	320	< 1,000
10/18/2006	13,000	8,900	1,400	300	200	32
4/15/2009	13,000	6,800	700	49	99	27
10/13/2009	13,000	6,800	700	49	99	27
4/8/2010	2,500	1,300	84	<100	19	<100
7/12/2010	19,000	14,000	1,000	64	160	<100
1/12/2011	99,000	54,000	2,500	<2000	<2000	<2000
4/6/2011	89,000	49,000	2,500	<800	470	<800
7/26/2011	36,000	26,000	<800	80	510	1.2
10/4/2011	33,000	21,000	<400	<400	560	<400
1/13/2012	99,000	56,000	2,700	<800	520	<800
4/3/2012	99,000	54,000	2,600	<2000	<2000	<2000

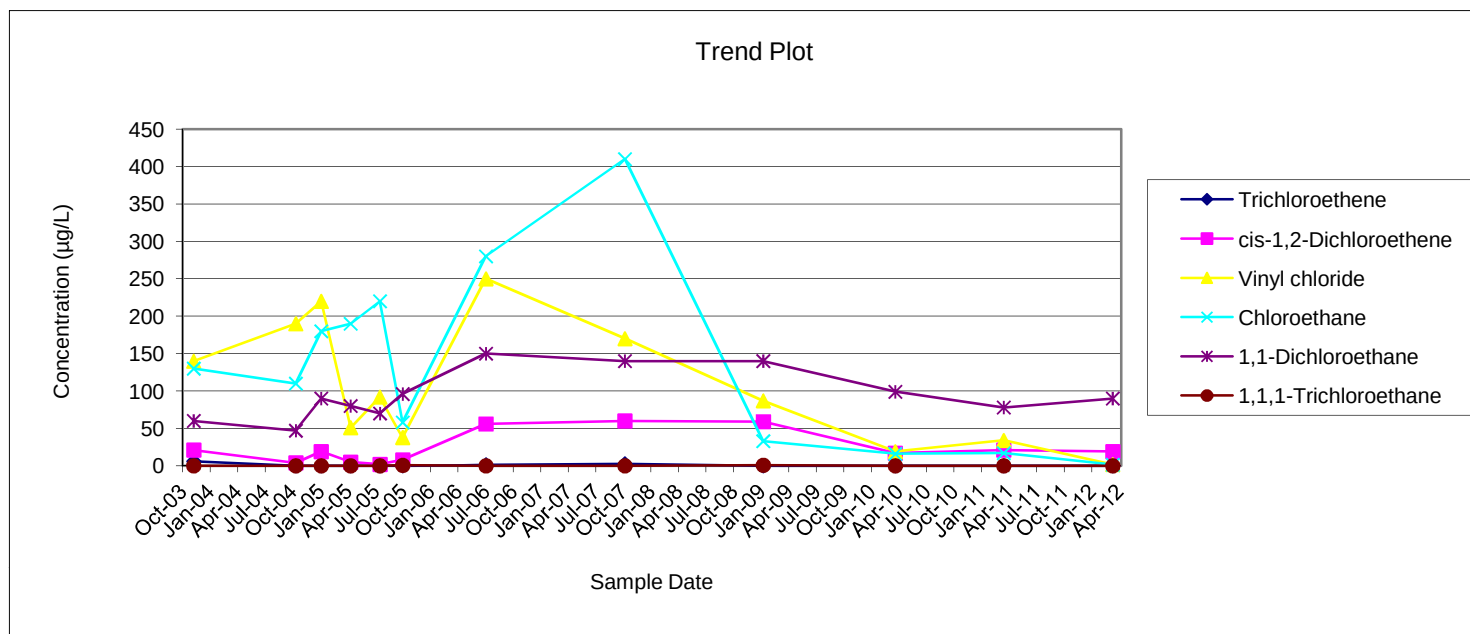
MONITORING WELL MW-8R
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
11/7/2003	6	21	140	130	60	< 10
10/13/2004	< 10	4	190	110	47	< 10
1/6/2005	< 10	19	220	180	90	< 10
4/14/2005	< 10	5	51	190	80	< 10
7/21/2005	< 5	2	92	220	70	< 5
10/5/2005	< 5	8	38	58	96	0.68
7/10/2006	1.3	56	250	280	150	< 5
10/17/2007	2.6	60	170	410	140	< 25
1/21/2009	<5	59	87	33	140	0.81
4/7/2010	<5	17	19	16	99	< 5
4/4/2011	<1	21	34	17	78	<1
4/2/2012	<1	19	1.8	1.5	90	<1

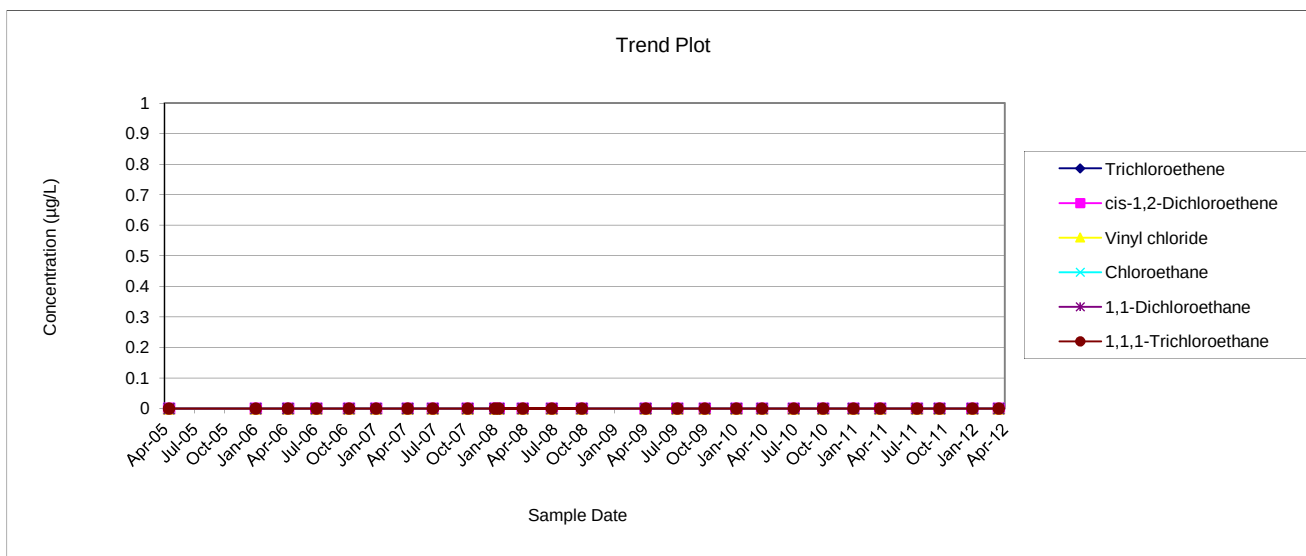
MONITORING WELL MW-9
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	< 10	< 10	< 10	< 10	<10
1/5/2006	< 5	< 5	< 5	< 5	< 5	< 5
4/14/2006	< 5	< 5	< 5	< 5	< 5	< 5
7/10/2006	< 5	< 5	< 5	< 5	< 5	< 5
10/18/2006	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2007	< 5	< 5	< 5	< 5	< 5	< 5
4/16/2007	< 5	< 5	< 5	< 5	< 5	< 5
7/2/2007	< 5	< 5	< 5	< 5	< 5	< 5
10/17/2007	< 5	< 5	< 5	< 5	< 5	< 5
1/9/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/3/2008	< 5	< 5	< 5	< 5	< 5	< 5
7/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
10/1/2008	< 5	< 5	< 5	< 5	< 5	< 5
1/20/2008	< 5	< 5	< 5	< 5	< 5	< 5
4/15/2009	< 5	< 5	< 5	< 5	< 5	< 5
7/21/2009	< 5	< 5	< 5	< 5	< 5	< 5
10/13/2009	< 5	< 5	< 5	< 5	< 5	< 5
1/18/2010	< 5	< 5	< 5	< 5	< 5	< 5
4/7/2010	< 5	< 5	< 5	< 5	< 5	< 5
7/13/2010	< 5	< 5	< 5	< 5	< 5	< 5
10/11/2010	< 5	< 5	< 5	< 5	< 5	< 5
1/12/2011	<1	<1	<1	<1	<1	<1
4/4/2011	<1	<1	<1	<1	<1	<1
7/26/2011	<1	<1	<1	<1	<1	<1
10/3/2011	<1	<1	<1	<1	<1	<1
1/12/2012	<1	<1	<1	<1	<1	<1
4/2/2012	<1	<1	<1	<1	<1	<1

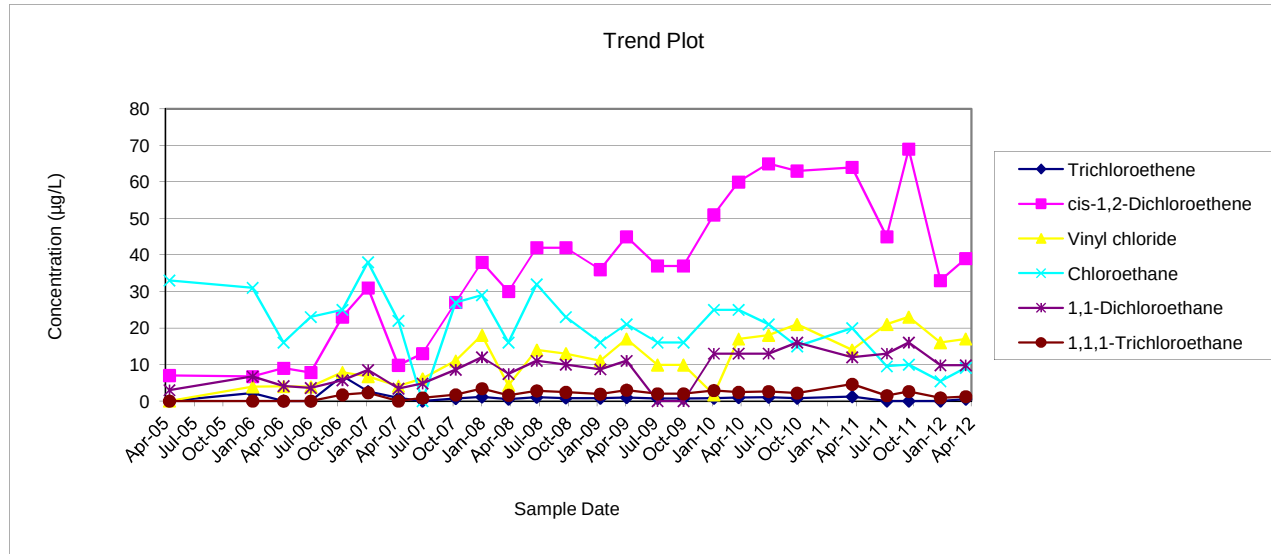
MONITORING WELL MW-10
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/14/2005	< 10	7	< 10	33	3	< 10
1/5/2006	2.2	6.7	3.9	31	6.7	<20
4/14/2006	< 20	9	4	16	4.1	< 20
7/10/2006	< 20	7.8	3.9	23	3.6	< 20
10/19/2006	6.8	23	7.9	25	5.7	1.7
1/9/2007	2.6	31	6.7	38	8.5	2.3
4/16/2007	0.89	9.8	4.1	22	3.4	<5
7/2/2007	< 5	13	6.1	< 5	4.8	0.84
10/16/2007	0.71	27	11	27	8.6	1.7
1/8/2008	1.1	38	18	29	12	3.4
4/2/2008	0.49	30	4.3	16	7.4	1.6
7/1/2008	1	42	14	32	11	2.8
10/2/2008	0.81	42	13	23	10	2.4
1/20/2009	0.77	36	11	16	8.7	1.9
4/14/2009	0.95	45	17	21	11	3
7/22/2009	0.69	37	9.9	16	<5	2
10/13/2009	0.69	37	9.9	16	<5	2
1/18/2010	0.77	51	1.7	25	13	2.9
4/7/2010	0.95	60	17	25	13	2.4
7/12/2010	1	65	18	21	13	2.6
10/11/2010	0.8	63	21	15	16	2.2
4/5/2011	1.2	64	14	20	12	4.6
7/25/2011	<1	45	21	9.5	13	1.5
10/3/2011	<1	69	23	10	16	2.6
1/12/2012	<1	33	16	5.4	9.8	0.88
4/2/2012	0.51	39	17	9.1	9.8	1.2

**MONITORING WELL MW-11
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**

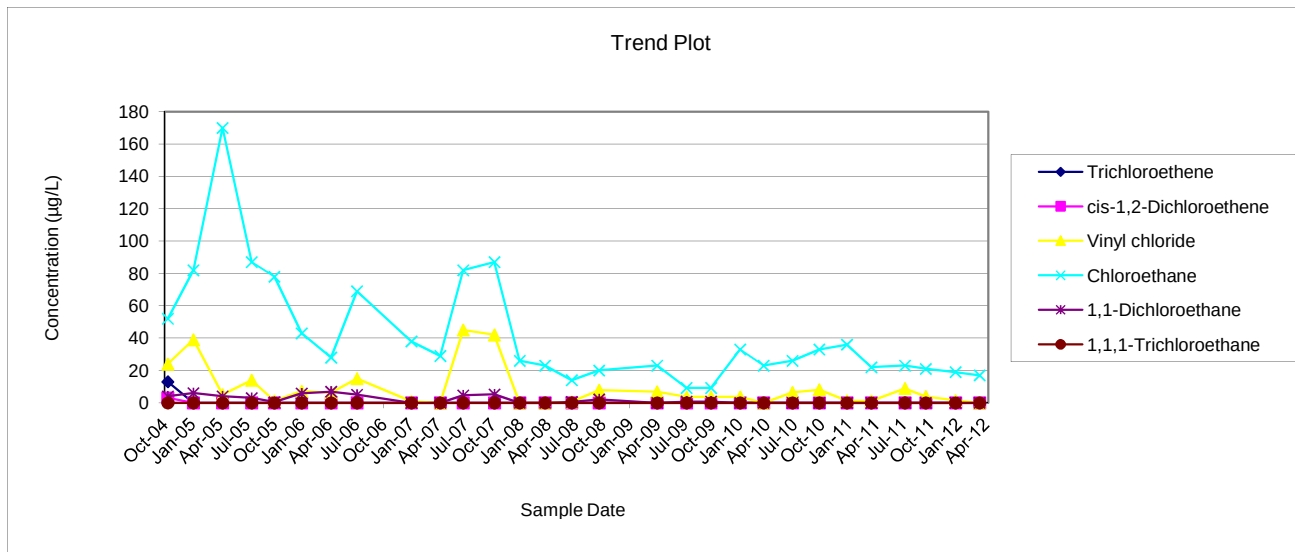


MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
10/12/2004	13	3	24	52	4	< 10
1/6/2005	< 10	< 10	39	82	6	< 10
4/14/2005	< 10	< 10	5	170	4	< 10
7/21/2005	< 5	< 5	14	87	3	<
10/5/2005	< 5	< 5	1.2	78	0.43	< 5
1/5/2006	< 25	< 25	7.2	43	5.8	< 25
4/14/2006	< 25	< 25	6.3	28	6.9	< 25
7/10/2006	< 25	< 25	15	69	5	< 25
1/9/2007	< 5	< 5	0.83	38	< 5	< 5
4/16/2007	< 20	< 20	< 20	29	< 20	< 20
7/2/2007	< 5	< 5	45	82	4.6	< 5
10/15/2007	< 5	< 5	42	87	5.2	< 5
1/8/2008	< 5	< 5	< 5	26	< 5	< 5
4/2/2008	< 5	< 5	< 5	23	< 5	< 5
7/1/2008	< 5	< 5	0.64	14	0.55	< 5
10/1/2008	< 5	< 5	7.8	20	2.1	< 5
4/14/2009	<5	<5	6.8	23	<5	<5
7/22/2009	<5	<5	3.6	9.2	0.79	<5
10/12/2009	<5	<5	3.6	9.2	0.79	<5
1/18/2010	<5	<5	3.6	33	<5	<5
4/7/2010	<5	<5	< 5	23	<5	<5
7/13/2010	<5	<5	6.4	26	<5	<5
10/11/2010	<5	<5	8.1	33	<5	<5
1/12/2011	<1	<1	1.3	36	<1	<1
4/4/2011	<1	<1	1.1	22	<1	<1
7/26/2011	<1	<1	8.9	23	<1	<1
10/4/2011	<1	<1	3.9	21	<1	<1
1/12/2012	<1	<1	1.4	19	<1	<1

MONITORING WELL MW-12
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

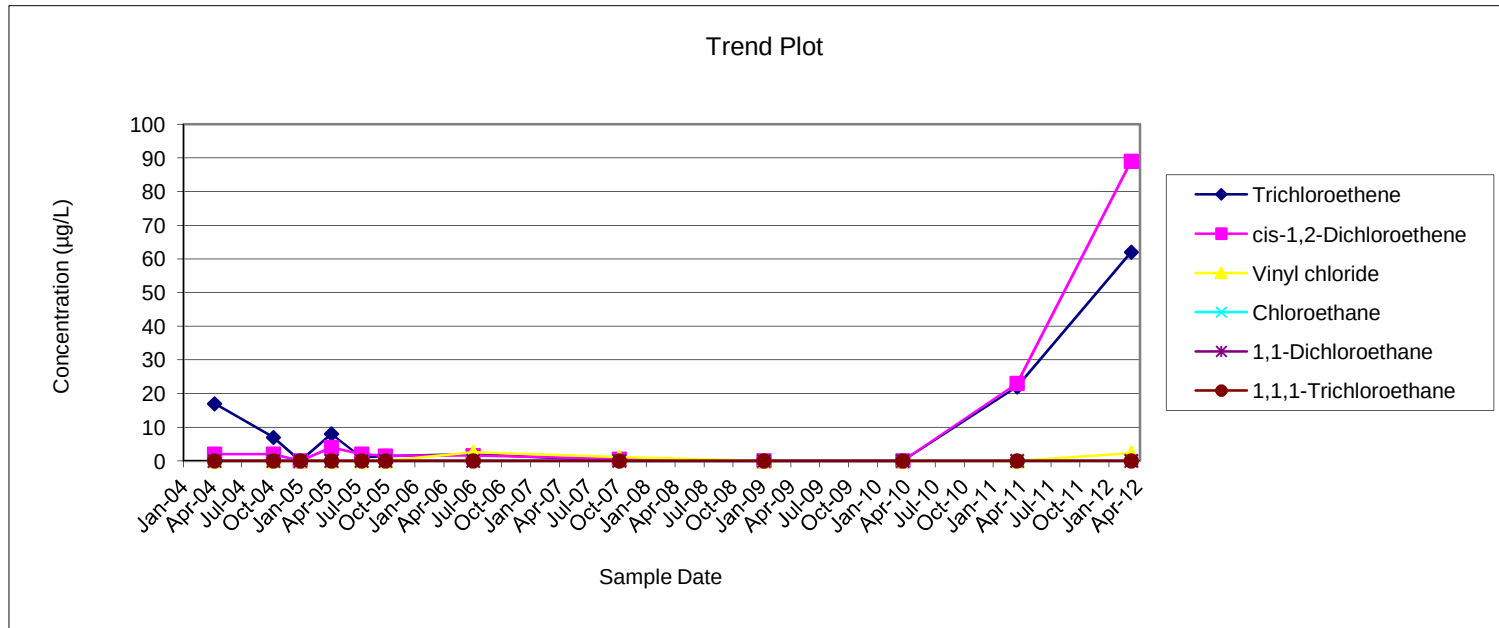
4/2/2012	<1	<1	<1	17	<1	<1



PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	17	2	< 10	< 10	< 10	< 10
10/12/2004	7	2	< 10	< 10	< 10	< 10
1/6/2005	< 10	< 10	< 10	< 10	< 10	< 10
4/15/2005	8	4	< 10	< 10	< 10	< 10
7/20/2005	1	2	< 5	< 5	< 5	< 5
10/4/2005	1.4	1.5	< 5	< 5	< 5	< 5
7/10/2006	2	1.6	2.6	< 5	< 5	< 5
10/18/2007	<5	0.55	1.1	< 5	< 5	< 5
1/20/2009	<5	<5	<5	<5	<5	<5
4/7/2010	<5	<5	<5	<5	<5	<5
4/6/2011	22	23	<1	<1	<1	<1
4/3/2012	62	89	2.3	<1	<1	<1

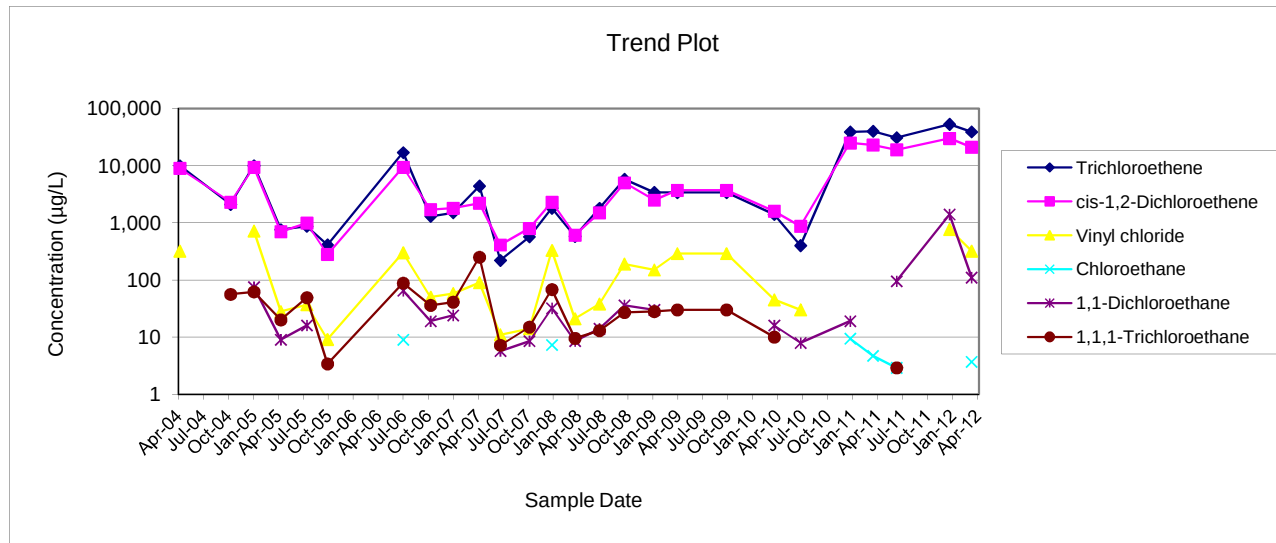
PIEZOMETER MW-13D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	10,000	9,000	320	< 100	< 100	< 100
10/12/2004	2,100	2,300	< 200	< 200	< 200	56
1/6/2005	10,000	9,400	720	< 200	75	62
4/15/2005	760	700	28	< 50	9	20
7/20/2005	870	990	37	< 40	16	49
10/4/2005	410	280	9.1	< 40	< 40	3.4
7/10/2006	17,000	9,400	300	9	65	88
10/19/2006	1,300	1,700	50	<100	19	36
1/10/2007	1,500	1,800	58	<100	24	41
4/17/2007	4,400	2,200	90	< 250	< 250	250
7/3/2007	220	410	11	< 25	5.7	7.2
10/18/2007	570	800	14	< 25	8.5	15
1/9/2008	1800	2300	330	7.3	32	68
4/3/2008	580	610	21	<50	8.5	9.5
7/2/2008	1,800	1,500	38	<120	14	13
10/2/2008	5,800	5,000	190	<120	36	27
1/20/2009	3,400	2,500	150	<10	30	28
4/15/2009	3,400	3,700	290	<40	<40	30
10/13/2009	3,400	3,700	290	<40	<40	30
4/7/2010	1,400	1,600	45	<50	16	10
7/13/2010	400	870	30	<50	7.9	<50
1/12/2011	39,000	25,000	<500	9.4	19	<1
4/6/2011	40,000	23,000	<800	4.7	<800	<800
7/2/2011	31,000	19,000	<800	2.9	95	2.9
1/13/2012	53,000	30,000	770	<800	1400	<800
4/3/2012	39,000	21,000	320	3.7	110	<1

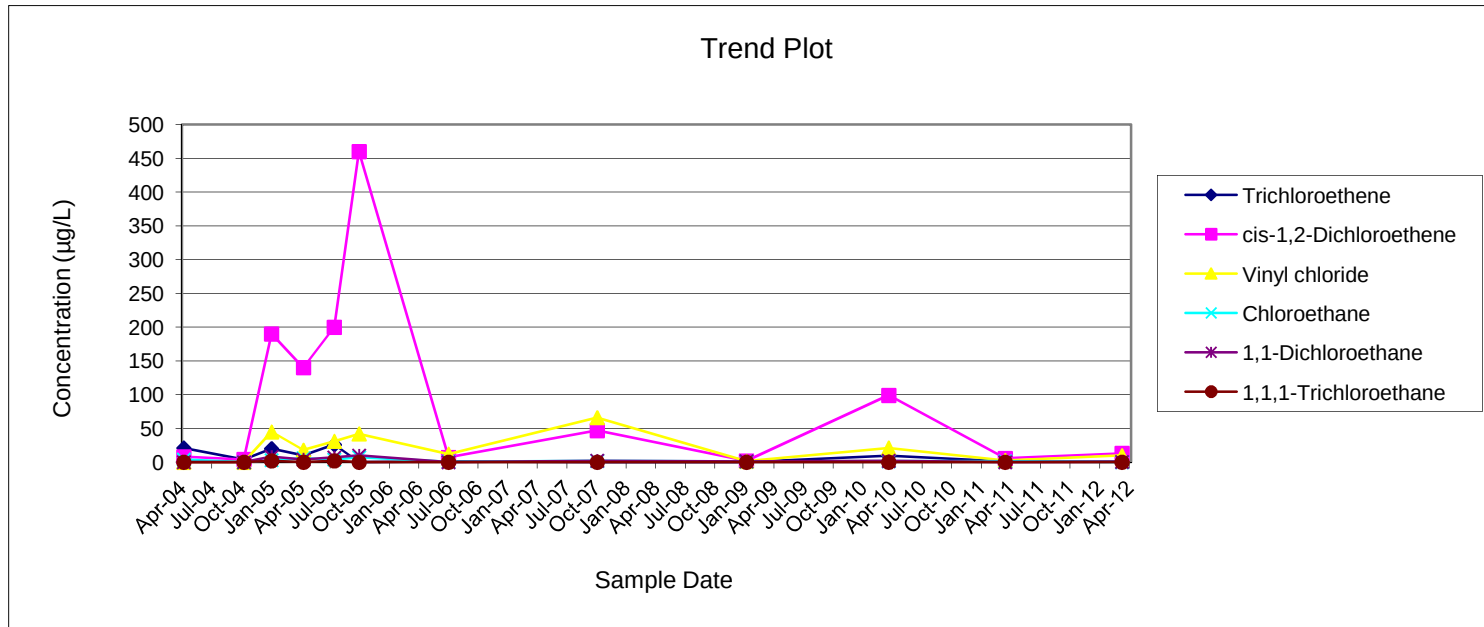
PIEZOMETER MW-13S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	21	8	< 10	4	< 10	< 10
10/12/2004	4	4	< 10	< 10	< 10	< 10
1/6/2005	20	190	45	3	8	2
4/15/2005	10	140	18	6	4	< 10
7/20/2005	26	200	31	4	7	2
10/5/2005	< 10	460	42	7.2	9.9	<10
7/10/2006	0.96	7.2	12	0.82	< 5	< 5
10/15/2007	< 5	47	66	1.8	2.2	< 5
1/21/2009	<5	2	1.4	0.91	1.3	<5
4/8/2010	9.4	99	21	1.5	2	<5
4/5/2011	0.97	5.6	2.6	1.5	<1	<1
4/2/2012	0.64	13	9.9	<1	0.44	<1

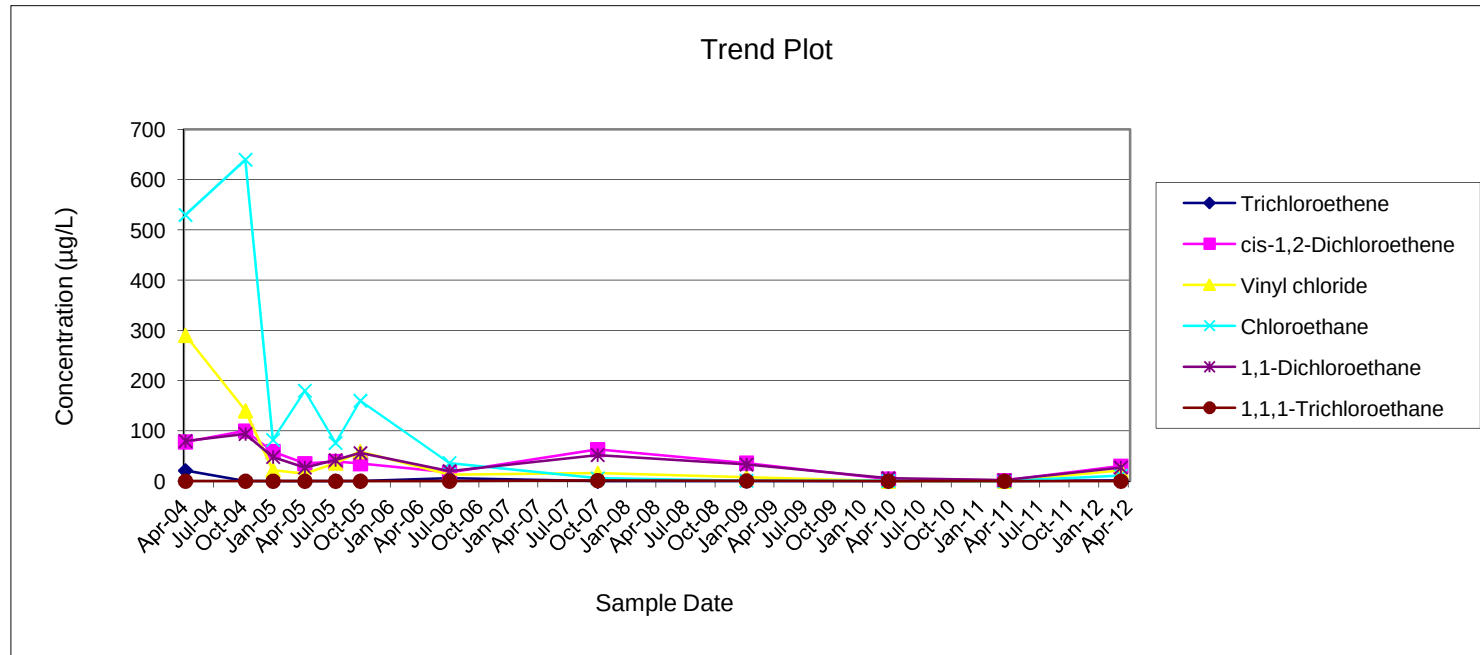
PIEZOMETER MW-14D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	21	78	290	530	80	< 20
10/12/2004	< 10	100	140	640	94	< 10
1/6/2005	< 10	59	22	82	48	< 10
4/15/2005	< 10	35	15	180	27	< 10
7/20/2005	< 5	39	36	76	42	< 5
10/5/2005	< 5	35	59	160	56	<5
7/10/2006	5.7	17	13	36	20	< 25
10/15/2007	< 5	63	16	5.7	52	1.3
1/21/2009	0.38	36	7.9	0.87	33	0.63
4/8/2010	< 5	4	< 5	0.62	5.9	<5
4/5/2011	< 1	1.1	<1	<1	1.9	<1
4/2/2012	1.3	30	21	11	27	<1

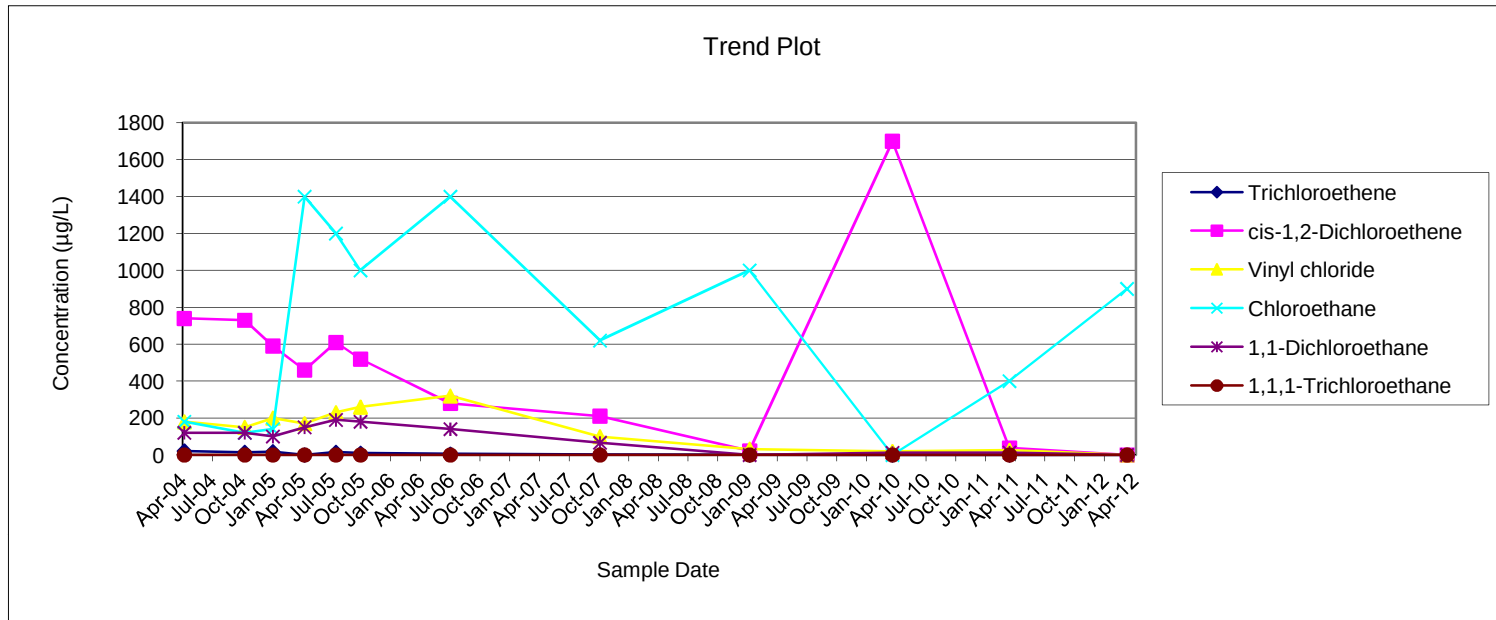
PIEZOMETER MW-14S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	21	740	180	180	120	< 10
10/12/2004	14	730	150	120	120	< 50
1/7/2005	18	590	200	140	100	< 50
4/15/2005	< 50	460	170	1,400	150	< 50
7/21/2005	15	610	230	1,200	190	< 25
10/5/2005	10	520	260	1,000	180	<50
7/10/2006	4.9	280	320	1,400	140	< 5
10/16/2007	3.6	210	99	620	66	< 5
1/21/2009	<25	22	32	1000	<25	<25
4/8/2010	<5	1700	19	<5	12	<5
4/5/2011	<8	38	26	400	13	<8
4/3/2012	<10	<10	<10	900	<10	<10

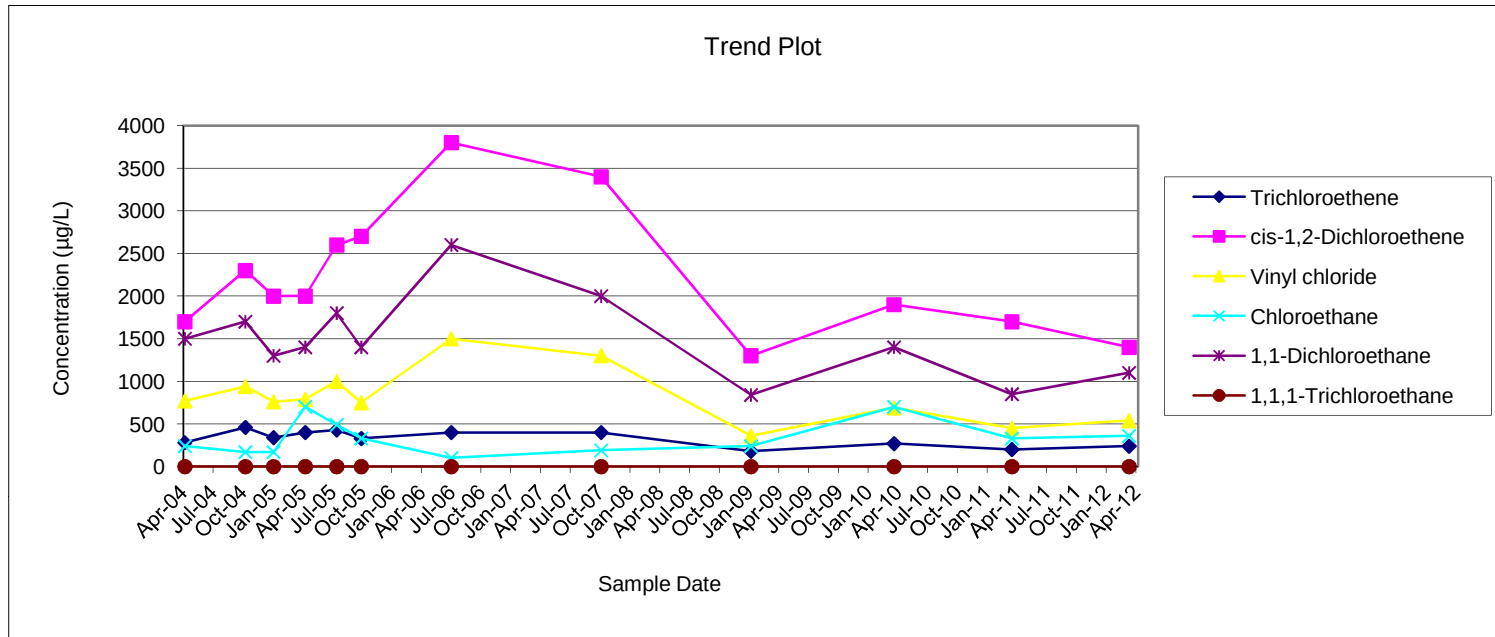
**PIEZOMETER MW-15D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York**



PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1,1-Tetrachloroethane
4/8/2004	280	1,700	770	240	1,500	< 250
10/12/2004	460	2,300	940	170	1,700	< 250
1/7/2005	340	2,000	760	170	1,300	< 250
4/15/2005	400	2,000	790	700	1,400	< 200
7/21/2005	430	2,600	1,000	490	1,800	< 120
10/5/2005	330	2,700	750	330	1,400	<100
7/10/2006	400	3,800	1,500	100	2,600	< 25
10/16/2007	400	3400	1300	190	2000	< 200
1/21/2009	180	1300	360	240	840	<5
4/8/2010	270	1900	690	700	1400	<10
4/7/2011	200	1700	450	330	850	<1
4/3/2012	240	1400	540	360	1100	<1

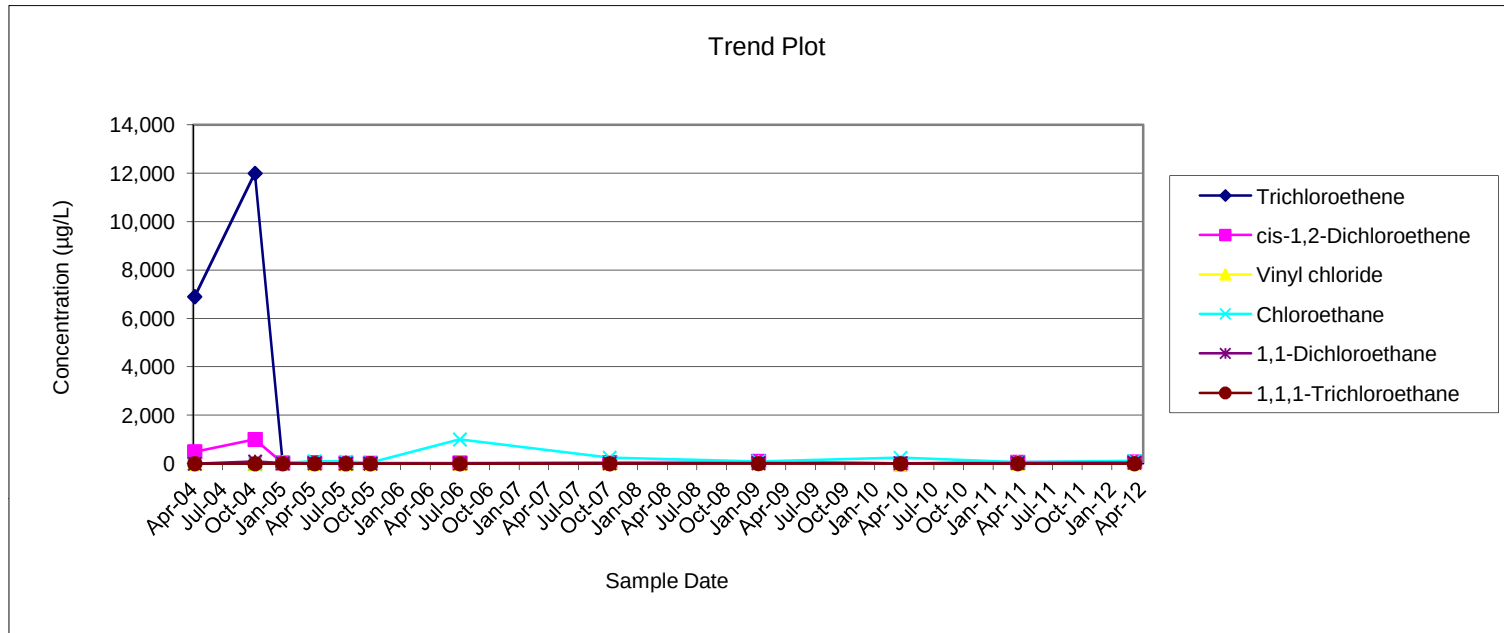
PIEZOMETER MW-15S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	6,900	490	< 500	< 500	< 500	< 500
10/12/2004	12,000	1,000	< 500	< 500	91	< 500
1/6/2005	9	27	39	22	15	< 10
4/15/2005	32	36	17	100	10	< 10
7/21/2005	25	12	4	84	2	< 10
10/5/2005	1.3	16	10	41	5	<5
7/10/2006	6.1	27	21	1,000	9.7	< 5
10/18/2007	6	48	39	250	16	< 20
1/22/2009	52	92	39	90	21	1.9
4/8/2010	12	6.9	3.6	240	8.7	< 10
4/7/2011	22	59	33	59	27	1.2
4/3/2012	42	66	46	110	35	<1

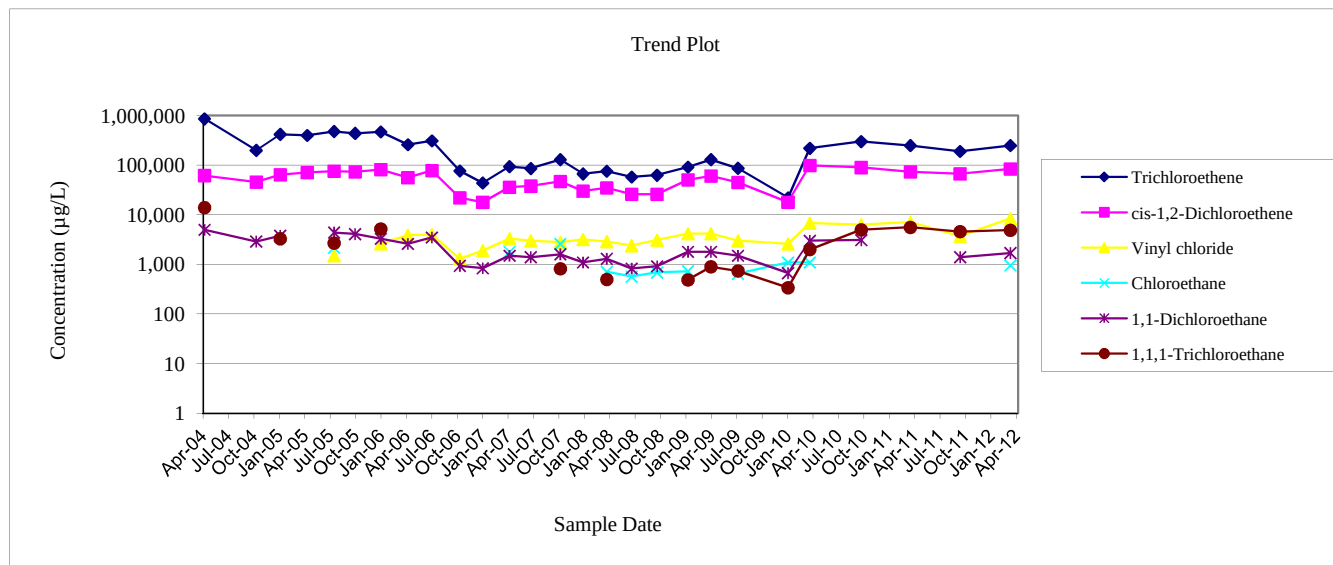
PIEZOMETER MW-16D
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York

Sample Date	Analytical Results (µg/L)					
	Trichloroethene	cis-1,2-Dichloroethene	Vinyl chloride	Chloroethane	1,1-Dichloroethane	1,1,1-Trichloroethane
4/8/2004	860,000	62,000	< 20,000	< 20,000	5,000	14,000
10/12/2004	200,000	46,000	< 10,000	< 10,000	2,900	< 10,000
1/7/2005	420,000	64,000	< 10,000	< 10,000	3,800	3,300
4/15/2005	400,000	71,000	< 25,000	< 25,000	< 25,000	< 25,000
7/21/2005	480,000	76,000	1,500	2,200	4,400	2,700
10/5/2005	440,000	74,000	< 25,000	< 25,000	4,100	< 25,000
1/6/2006	470,000	82,000	2,600	< 20,000	3,300	5,200
4/14/2006	260,000	56,000	3,900	< 20,000	2,600	< 20,000
7/10/2006	310,000	78,000	4,000	< 20,000	3,500	< 20,000
10/19/2006	77,000	22,000	1,300	< 5,000	940	< 5,000
1/10/2007	44,000	18,000	1,900	< 2,500	840	< 2,500
4/17/2007	94,000	36,000	3,300	1,800	1,500	< 5,000
7/3/2007	86,000	38,000	3,000	< 5,000	1,400	< 5,000
10/18/2007	130,000	47,000	2,800	2,600	1,600	820
1/8/2008	67,000	30,000	3,200	< 5,000	1,100	< 5,000
4/3/2008	76,000	35,000	2,900	710	1,300	500
7/2/2008	58,000	26,000	2,400	570	830	<5000
10/2/2008	63,000	26,000	3,100	690	920	<5000
1/22/2009	92,000	51,000	4,200	730	1,800	490
4/15/2009	130,000	61,000	4,200	<2000	1,800	900
7/22/2009	87,000	45,000	3,000	650	1,500	740
1/19/2010	22,000	18,000	2,600	1,100	670	340
4/8/2010	220,000	99,000	6,800	1,100	3,000	2,000
10/11/2010	300,000	90,000	6,300	<20,000	3,100	5,000
4/7/2011	250,000	74,000	7,100	<4,000	<4,000	5,600
10/4/2011	190,000	67,000	3,700	<800	1,400	4,600
4/3/2012	250,000	84,000	8,400	960	1,700	4,900

PIEZOMETER MW-16S
SUMMARY OF VOCs IN GROUNDWATER
Former Scott Aviation Site
Lancaster, New York



Appendix F

Completed Institutional and Engineering Controls Certification Form



Site Details

Site No. 915149

Box 1

Site Name Scott Aviation

Site Address: 225 Erie Street Zip Code: 14086
City/Town: Lancaster
County: Erie
Site Acreage: 1.0

Reporting Period: April 7, 2011 to April 7, 2012

YES NO

1. Is the information above correct?

$$X \quad 0$$

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

0 X

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

0 X

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

0 X

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

0 X

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

$$X \quad 0$$

7. Are all ICs/ECs in place and functioning as designed?

X 0

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date _____

SITE NO. 915149**Description of Institutional Controls**

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
104.16-4-8.1	AVOX Systems	

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
104.16-4-8.1	Cover System Groundwater Containment Groundwater Treatment System Vapor Mitigation

Engineering Control Details for Site No. 915149**Parcel: 104.16-4-8.1**

A long-term Operation, Monitoring and Maintenance Program is in place and includes: (1) long-term operation and maintenance of a groundwater collection and treatment system, (2) long-term operation and maintenance of a dual phase extraction system, (3) quarterly sampling of groundwater to monitor the effectiveness of the treatment systems, and (4) monthly sampling of the treatment systems to ensure compliance with discharge limits.

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

X o

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

- (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

X o

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 915149

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as _____ (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Scott A. Underhill at 40 British American Boulevard, Latham, NY 12148,
print name print business address

am certifying as a Professional Engineer for the Scott Aviation Site
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or
Remedial Party, Rendering Certification

Stamp
(Required for PE)

May 23, 2012
Date